



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

August 28, 2018

Mr. Bryan 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 REPORT 05000277/2018005 AND  
05000278/2018005)

Dear Mr. Hanson:

The enclosed inspection plan lists the inspections scheduled through June 30, 2020, 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.

Additionally, NRC Region I plans to conduct an inspection per Inspection Procedure 71003, "Site Inspections at Plants with Timely Renewal Applications," and Inspection Procedure 81311, "Physical Security Requirements for Independent Spent Fuel Storage Installations," at your facility during the period.

This letter, its enclosure, and your response (if any) will be made available for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and the NRC's Public Document

Room in accordance with Title 10 of the *Code of Federal Regulations* (10 CFR), Part 2.390, "Public Inspections, Exemptions, Requests for Withholding."

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 Numbers: 50-277 and 50-278  
License Numbers: 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 REPORT 05000277/2018005 AND  
05000278/2018005) DATED AUGUST 28, 2018

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DOCUMENT NAME: S:\ROP Assessment Meetings\ROP-19 Second Quarter Process\BRANCH 4\ROP 19 Peach Bottom MC Letter.docx  
ADAMS ACCESSION NUMBER: **ML18240A178**

<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/DRP	RI/DRP			
NAME	SBarber	JGreives			
DATE	08/09/2018	08/27/2018			

OFFICIAL RECORD COPY

# IP 22 Inspection Activity Plan Report

## Peach Bottom

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>ACCESS CONTROL, EQUIP PERF, TRAINING</b>						3
2, 3	08/06/2018	08/10/2018	IP 71130.02	000734	Access Control	
2, 3	08/06/2018	08/10/2018	IP 71130.04	000736	Equipment Performance, Testing, and Maintenance	
2, 3	08/06/2018	08/10/2018	IP 71130.07	000739	Security Training	
2, 3	08/06/2018	08/10/2018	IP 71151	001338	Performance Indicator Verification	
2, 3	08/06/2018	08/10/2018	IP 81311	000831	Physical Security Requirements for Independent Spent Fuel Storage Installations	
<b>REMP Mod 07</b>						1
2, 3	09/17/2018	09/21/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
<b>Unit 2 ISI</b>						1
2	10/22/2018	10/26/2018	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03</b>						1
2, 3	10/29/2018	11/02/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/29/2018	11/02/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	10/29/2018	11/02/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>UNIT 2 - LICENSE RENEWAL PHASE 4</b>						2
2	11/26/2018	11/30/2018	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
<b>RAD SAFETY Mods 01, 02, 03, PI (OR01, PR01)</b>						1
2, 3	12/10/2018	12/14/2018	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	12/10/2018	12/14/2018	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	12/10/2018	12/14/2018	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>EQ PROGRAM</b>						3
2, 3	01/14/2019	01/18/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
2, 3	01/28/2019	02/01/2019	IP 71111.21N	000714	Design Bases Assurance Inspection (Programs)	
<b>PEACH BOTTOM INITIAL OL EXAM</b>						5
2, 3	01/28/2019	02/01/2019	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	02/25/2019	03/08/2019	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>EP PROGRAM INSPECTION</b>						2
2, 3	03/04/2019	03/08/2019	IP 71114.02	000717	Alert and Notification System Testing	

This report does not include INPO and OUTAGE activities.  
This report shows only on-site and announced inspection procedures.

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07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>EP PROGRAM INSPECTION</b>						2
2, 3	03/04/2019	03/08/2019	IP 71114.03	000718	Emergency Response Organization Staffing and Augmentation System	
2, 3	03/04/2019	03/08/2019	IP 71114.05	000720	Correction of Emergency Preparedness Weaknesses and Deficiencies	
2, 3	03/04/2019	03/08/2019	IP 71151	001397	Performance Indicator Verification	
<b>PB REQUAL INSP WITH P/F RESULTS</b>						2
2, 3	03/11/2019	03/15/2019	IP 71111.11A	000703	Licensed Operator Requalification Program and Licensed Operator Performance (Annual)	
2, 3	03/11/2019	03/15/2019	IP 71111.11B	000704	Licensed Operator Requalification Program and Licensed Operator Performance (Biennial)	
<b>ACCESS CONTROL, PROTECTIVE STRATEGY, TSR</b>						4
2, 3	03/25/2019	03/29/2019	IP 71130.02	000734	Access Control	
2, 3	03/25/2019	03/29/2019	IP 71130.05	000737	Protective Strategy Evaluation	
2, 3	03/25/2019	03/29/2019	IP 71130.14	000743	Review of Power Reactor Target Sets	
2, 3	03/25/2019	03/29/2019	IP 71151	001338	Performance Indicator Verification	
<b>CYBER FULL IMP</b>						2
2, 3	04/01/2019	04/05/2019	IP 71130.10P	000741	Cyber Security	
2, 3	04/15/2019	04/19/2019	IP 71130.10P	000741	Cyber Security	
<b>RAD EFFLUENTS Mod 06</b>						1
2, 3	04/15/2019	04/19/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
<b>Triennial Heat Sink</b>						1
2, 3	05/13/2019	05/17/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
<b>RAD HAZARD &amp; ALARA Mods 01, 02</b>						1
2, 3	05/13/2019	05/17/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	05/13/2019	05/17/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
<b>PI&amp;R BIENNIAL</b>						4
2, 3	06/10/2019	06/14/2019	IP 71152B	000747	Problem Identification and Resolution	
2, 3	06/24/2019	06/28/2019	IP 71152B	000747	Problem Identification and Resolution	

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07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>Radwaste</b>						1
2, 3	07/29/2019	08/02/2019	IP 71124.08	000732	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
<b>MC&amp;A</b>						1
2	08/12/2019	08/16/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
<b>50.59 Process</b>						3
2, 3	09/23/2019	09/27/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
<b>INSERVICE INSPECTION - UNIT 3</b>						1
3	10/28/2019	11/01/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
<b>RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03</b>						1
2, 3	10/28/2019	11/01/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	10/28/2019	11/01/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	10/28/2019	11/01/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
<b>RAD SAFETY Mods 01, 02, 03,04, PI (OR01, PR01)</b>						1
2, 3	12/02/2019	12/06/2019	IP 71124.01	000725	Radiological Hazard Assessment and Exposure Controls	
2, 3	12/02/2019	12/06/2019	IP 71124.02	000726	Occupational ALARA Planning and Controls	
2, 3	12/02/2019	12/06/2019	IP 71124.03	000727	In-Plant Airborne Radioactivity Control and Mitigation	
2, 3	12/02/2019	12/06/2019	IP 71124.04	000729	Occupational Dose Assessment	
<b>Access Authorization, FFD, SGI Control</b>						2
2, 3	01/06/2020	01/10/2020	IP 71130.01	000733	Access Authorization	
2, 3	01/06/2020	01/10/2020	IP 71130.06	000738	Protection of Safeguards Information	
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 71130.06	000738	Protection of Safeguards Information	
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	

# IP 22 Inspection Activity Plan Report

## Peach Bottom

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
<b>DESIGN BASIS ASSURANCE INSPECTION- TEAMS</b>						5
2, 3	01/27/2020	01/31/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
2, 3	02/10/2020	02/14/2020	IP 71111.21M	000713	Design Bases Assurance Inspection (Teams)	
<b>RAD MONITORING INSTRUMENT Mod 05</b>						1
2, 3	03/23/2020	03/27/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
<b>PEACH BOTTOM EP EXERCISE INSPECTION</b>						5
2, 3	04/20/2020	04/24/2020	IP 71114.01	000716	Exercise Evaluation	
2, 3	04/20/2020	04/24/2020	IP 71151	001397	Performance Indicator Verification	
<b>FY2020 Peach Bottom Initial Exam</b>						3
2, 3	04/20/2020	04/24/2020	OV	000956	VALIDATION OF INITIAL LICENSE EXAMINATION (OV)	
2, 3	05/25/2020	05/29/2020	EXAD	000500	LICENSE EXAM ADMINISTRATION (EXAD)	
<b>AIR ACTIVITY CNTRL, OCC DOSE ASSESS; Mod 03, 04</b>						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	000729	Occupational Dose Assessment	