



**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

B. Hanson

2

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
ACCESS CONTROL, EQUIP PERF, TRAINING						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	
REMP Mod 07						1
2, 3	09/17/2018	09/21/2018	IP 71124.07	000731	Radiological Environmental Monitoring Program	
Unit 2 ISI						1
2	10/22/2018	10/26/2018	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03						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	
UNIT 2 - LICENSE RENEWAL PHASE 4						2
2	11/26/2018	11/30/2018	IP 71003	000687	Post-Approval Site Inspection for License Renewal	
RAD SAFETY Mods 01, 02, 03, PI (OR01, PR01)						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	
EQ PROGRAM						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)	
PEACH BOTTOM INITIAL OL EXAM						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)	
EP PROGRAM INSPECTION						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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Peach Bottom

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
EP PROGRAM INSPECTION						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	
PB REQUAL INSP WITH P/F RESULTS						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)	
ACCESS CONTROL, PROTECTIVE STRATEGY, TSR						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	
CYBER FULL IMP						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	
RAD EFFLUENTS Mod 06						1
2, 3	04/15/2019	04/19/2019	IP 71124.06	000730	Radioactive Gaseous and Liquid Effluent Treatment	
Triennial Heat Sink						1
2, 3	05/13/2019	05/17/2019	IP 71111.07T	000700	Heat Sink Performance -Triennial	
RAD HAZARD & ALARA Mods 01, 02						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	
PI&R BIENNIAL						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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IP 22 Inspection Activity Plan Report

Peach Bottom

07/01/2018 - 06/30/2020

Unit	Start	End	Activity	CAC	Title	Staff Count
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	
MC&A						1
2	08/12/2019	08/16/2019	IP 71130.11	000742	Material Control and Accounting (MC&A)	
50.59 Process						3
2, 3	09/23/2019	09/27/2019	IP 71111.17T	000709	Evaluations of Changes, Tests, and Experiments	
INSERVICE INSPECTION - UNIT 3						1
3	10/28/2019	11/01/2019	IP 71111.08G	000701	Inservice Inspection Activities (BWR)	
RAD HAZARD, ALARA, AIR ACT CNTRL Mods 01, 02, 03						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	
RAD SAFETY Mods 01, 02, 03,04, PI (OR01, PR01)						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	
Access Authorization, FFD, SGI Control						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
DESIGN BASIS ASSURANCE INSPECTION- TEAMS						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)	
RAD MONITORING INSTRUMENT Mod 05						1
2, 3	03/23/2020	03/27/2020	IP 71124.05	000729	Radiation Monitoring Instrumentation	
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 71151	001397	Performance Indicator Verification	
FY2020 Peach Bottom Initial Exam						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)	
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	000729	Occupational Dose Assessment	