

# UNITED STATES NUCLEAR REGULATORY COMMISSION REGION I

2100 RENAISSANCE BOULEVARD, SUITE 100 KING OF PRUSSIA, PENNSYLVANIA 19406-2713

March 4, 2013

Mr. Michael J. Pacilio Senior Vice President, Exelon Generation Company, LLC President and Chief Nuclear Officer, Exelon Nuclear 4300 Winfield Rd. Warrenville, IL 60555

SUBJECT: ANNUAL ASSESSMENT LETTER FOR PEACH BOTTOM ATOMIC

POWER STATION UNITS 2 AND 3 (REPORT 05000277/2012001 AND

05000278/2012001)

Dear Mr. Pacilio:

On February 12, 2013, the U.S. Nuclear Regulatory Commission (NRC) completed its end-of-cycle performance review of the Peach Bottom Atomic Power Station (Peach Bottom) Units 2 and 3. The NRC reviewed the most recent quarterly performance indicators in addition to inspection results and enforcement actions from January 1, 2012 through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility. Security-related information and/or the security inspection plan will be sent via separate correspondence.

The NRC determined that overall, Peach Bottom Units 2 and 3 operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Peach Bottom Units 2 and 3 during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process Action Matrix because all inspection findings had very low (i.e., green) safety significance, and all performance indicators demonstrated that your performance was within the nominal, expected range (i.e, green). Therefore, the NRC plans to conduct Reactor Oversight Process baseline inspections at your facility.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. In addition to baseline inspections, the NRC will perform Inspection Procedure (IP) 71003, "Post-Approval Site Inspection for License Renewal," IP 60855, "Operation of an Independent Spent Fuel Storage Installation at Operating Plants," and Temporary Instruction (TI) 182, "Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping and Tanks." The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC

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will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 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 the NRC's Agencywide Document Access and Management System (ADAMS). ADAMS is accessible from the NRC Web site at <a href="http://www.nrc.gov/reading-rm/adams.html">http://www.nrc.gov/reading-rm/adams.html</a> (the Public Electronic Reading Room).

Please contact me at (610) 337-5209 with any questions you have regarding this letter.

Sincerely,

/RA/

Mel Gray, Chief Projects Branch 4 Division of Reactor Projects

Docket Nos.: 50-277, 50-278 License Nos.: DPR-44, DPR-56

Enclosure: Peach Bottom Atomic Power Station Inspection Plan

cc w/encl: Distribution via ListServ

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DOCUMENT NAME: S:\ROP-13 EOC Review\Branch 4\Peach Bottom\Peach Bottom AAL.docx

ADAMS ACCESSION NUMBER: ML13059A032

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#### **Peach Bottom** Inspection / Activity Plan 01/01/2013 - 06/30/2014

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Unit	Planne	d Dates				No. of Staff
Number	Start	End	Inspection A	Activity	Title	on Site
			3/25 EXM	- PEACH	BOTTOM INITIAL EXAM	4
2	02/11/2013	02/15/2013	U01867		FY13-PB INITIAL OPERATOR LICENSING EXAM	
2	03/25/2013	03/29/2013	U01867		FY13-PB INITIAL OPERATOR LICENSING EXAM	
			71003	- U2 LR (	COMMITMENTS PHASE II	6
2	01/14/2013	01/18/2013	IP 71003		Post-Approval Site Inspection for License Renewal	
2	01/28/2013	02/01/2013	IP 71003		Post-Approval Site Inspection for License Renewal	
			7111111B	- PEACH	BOTTOM REQUAL WITH P/F RESULTS	2
2,3	03/04/2013	03/08/2013	IP 7111111E	3	Licensed Operator Requalification Program	
			71124	- HP		1
2,3	02/04/2013	02/08/2013	IP 71124.01		Radiological Hazard Assessment and Exposure Controls	
2,3	02/04/2013	02/08/2013	IP 71124.02		Occupational ALARA Planning and Controls	
2,3	02/04/2013	02/08/2013	IP 71124.03		In-Plant Airborne Radioactivity Control and Mitigation	•
			EP PROGR	- EP PRO	OGRAM INSPECTION	2
2, 3	02/11/2013	02/15/2013	IP 7111402		Alert and Notification System Testing	
2, 3	02/11/2013	02/15/2013	IP 7111403		Emergency Preparedness Organization Staffing and Augmentation System	
2, 3	02/11/2013	02/15/2013	IP 7111405		Correction of Emergency Preparedness Weaknesses and Deficiencies	
			7111107T	- TRIEN	NIAL HEAT SINK	1
2,3	03/18/2013	03/22/2013	IP 71111077	Γ	Heat Sink Performance	
			PI&R	- PROBL	EM IDENTIFICATION & RESOLUTION	4
2, 3	05/06/2013	05/10/2013	IP 71152B		Problem Identification and Resolution	
2,3	05/20/2013	05/24/2013	IP 71152B		Problem Identification and Resolution	
			7111117	- PERMA	NENT PLANT MODIFICATIONS	3
2,3	05/20/2013	05/24/2013	IP 71111177	Γ	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
2,3	06/03/2013	06/07/2013	IP 71111177	Г	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	
			60855	- ISFSI L	OADING INSPECTION	2
2, 3	05/06/2013	06/30/2013	IP 60855		Operation Of An ISFSI	
2,3	05/06/2013	06/30/2013	IP 60855.1		Operation of an Independent Spent Fuel Storage Installation at Operating Plants	
			2561	- SAFST		1
1	05/13/2013	05/17/2013	IP 36801		Organization, Management, And Cost Controls At Permanently Shutdown Reactors	
1	05/13/2013	05/17/2013	IP 37801		Safety Reviews, Design Changes, And Modifications At Permanently Shutdown Reactors	
1	05/13/2013	05/17/2013	IP 40801		Self-Assessment, Auditing, And Corrective Action At Permanently Shutdown Reactors	
1	05/13/2013	05/17/2013	IP 62801		Maintenance And Surveillance At Permanenly Shutdown Reactors	
1	05/13/2013	05/17/2013	IP 71801		Decommissioning Performance And Status Revierw At Permanently Suhutdown Reactors	
1	05/13/2013	05/17/2013	IP 83750		Occupational Radiation Exposure	

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

### **Peach Bottom**

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			2561	- SAFST	OR	1
1	05/13/2013	05/17/2013	IP 84750		Radioactive Waste Treatment, And Effluent And Environmental Monitoring	
1	05/13/2013	05/17/2013	IP 86750		Solid Radioactive Waste Management And Transportation Of Radioactive Materials	
			71124.07	- REMP		1
2,3	06/24/2013	06/28/2013	IP 71124.07		Radiological Environmental Monitoring Program	
			71124	- HP		1
2,3	07/29/2013	08/02/2013	IP 71124.01		Radiological Hazard Assessment and Exposure Controls	
2,3	07/29/2013	08/02/2013	IP 71124.02		Occupational ALARA Planning and Controls	
2, 3	07/29/2013	08/02/2013	IP 71124.04		Occupational Dose Assessment	
2,3	07/29/2013	08/02/2013	IP 71124.05		Radiation Monitoring Instrumentation	
			7111108G	- U3 INS	ERVICE INSPECTION	1
3	09/16/2013	09/20/2013	IP 71111080	}	Inservice Inspection Activities - BWR	
			71124	- HP		- 1
3	09/16/2013	09/20/2013	IP 71124.01		Radiological Hazard Assessment and Exposure Controls	
3	09/16/2013	09/20/2013	IP 71124.02		Occupational ALARA Planning and Controls	
			71124.08	- RADW	ASTE	1
2,3	10/21/2013	10/25/2013	IP 71124.08		Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
			71124	- HP		1
2,3	01/06/2014	01/10/2014	IP 71124.01		Radiological Hazard Assessment and Exposure Controls	
2, 3	01/06/2014	01/10/2014	IP 71124.02		Occupational ALARA Planning and Controls	
2,3	01/06/2014	01/10/2014	IP 71124.03		In-Plant Airborne Radioactivity Control and Mitigation	
2,3	01/06/2014	01/10/2014	IP 71124.04		Occupational Dose Assessment	
			EP	- EP AN	NUAL REPORT	4
2,3	01/01/2014	12/31/2014	IP 7111406		Drill Evaluation	
			CDBI	- CDBI		7
2,3	01/27/2014	01/31/2014	IP 7111121		Component Design Bases Inspection	* *
2,3	02/10/2014	02/14/2014	IP 7111121		Component Design Bases Inspection	
2, 3	02/24/2014	02/28/2014	IP 7111121		Component Design Bases Inspection	
			TI-182	- DEGR	AD UNDERGROUND PIPING - PHASE 2	1
2, 3	02/24/2014	02/28/2014	IP 2515/182		Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	
			EP EXER	- EP EX	ERCISE INSPECTION	1
2,3	04/07/2014	04/11/2014	IP 7111407		Exercise Evaluation - Hostile Action (HA) Event	
			71124	- HP		1
2,3	05/19/2014	05/23/2014	IP 71124.01		Radiological Hazard Assessment and Exposure Controls	

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2, 3	05/19/2014	05/23/2014	IP 71124.05	i	Radiation Monitoring Instrumentation	