

## UNITED STATES NUCLEAR REGULATORY COMMISSION

REGION I 475 ALLENDALE ROAD KING OF PRUSSIA, PENNSYLVANIA 19406-1415

August 31, 2006

Mr. Christopher M. Crane President and CNO Exelon Nuclear Exelon Generation Company, LLC 200 Exelon Way Kennett Square, PA 19348

SUBJECT: MID-CYCLE PERFORMANCE REVIEW AND INSPECTION PLAN -

PEACH BOTTOM ATOMIC POWER STATION

Dear Mr. Crane:

On August 7, 2006, the NRC staff completed its performance review of Peach Bottom Atomic Power Station for the first half of the calendar year 2006 assessment cycle. Our technical staff reviewed performance indicators (PIs) for the most recent quarter and inspection results over the previous twelve months. The purpose of this letter is to inform you of our assessment of your safety performance during this period and our plans for future inspections at your facility.

This performance review and enclosed inspection plan do not include physical protection information. A separate letter designated and marked "Exempt from Public Disclosure in accordance with 10 CFR 2.390" will include the physical protection review and resultant inspection plan.

Plant performance for the most recent quarter at Peach Bottom Units 2 and 3 was within the Licensee Response column of the NRC's Action Matrix, based on all inspection findings being classified as having very low safety significance (Green) and all PIs indicating performance at a level requiring no additional NRC oversight (Green). Therefore, we plan to conduct reactor oversight process (ROP) baseline inspections at your facility.

The enclosed inspection plan details the inspections, less those related to physical protection, scheduled through March 31, 2008. The inspection plan is provided to allow for the resolution of any scheduling conflicts and personnel availability issues well in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The inspections in the last nine months of the inspection plan are tentative and may be revised at the end-of-cycle review.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be made 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 <a href="http://www.nrc.gov/reading-rm/adams.html">http://www.nrc.gov/reading-rm/adams.html</a> (the Public Electronic Reading Room).

C. Crane 2

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

#### /RA/

James M. Trapp, Chief Reactor Projects Branch 4 Division of Reactor Projects

Docket Nos. 50-277, 50-278 License Nos. NPF-44, NPF-56

Enclosure: Peach Bottom Inspection/ Activity Plan

#### cc w/encl:

Site Vice President, Peach Bottom Atomic Power Station
Plant Manager, Peach Bottom Atomic Power Station
Regulatory Assurance Manager - Peach Bottom
Associate General Counsel, Exelon Generation Company
Manager, Financial Control & Co-Owner Affairs
Manager Licensing, PBAPS

Director, Training

Correspondence Control Desk

Director, Bureau of Radiation Protection (PA)

R. McLean, Power Plant and Environmental Review Division (MD)

G. Aburn, Maryland Department of Environment

T. Snyder, Director, Air and Radiation Management Administration, Maryland Department of the Environment (SLO, MD)

Public Service Commission of Maryland, Engineering Division

Board of Supervisors, Peach Bottom Township

B. Ruth, Council Administrator of Harford County Council

Mr. & Mrs. Dennis Hiebert, Peach Bottom Alliance

TMI - Alert (TMIA)

J. Johnsrud, National Energy Committee, Sierra Club

Mr. & Mrs. Kip Adams

Vice President, Licensing and Regulatory Affairs

Vice President, Operations Mid-Atlantic Senior Vice President, Nuclear Services Director, Licensing and Regulatory Affairs

J. Fewell, Assistant General Counsel

C. Crane 2

If circumstances arise which cause us to change this inspection plan, we will contact you to discuss the change as soon as possible. Please contact me at 610-337-5186 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

/RA/

James M. Trapp, Chief Reactor Projects Branch 4 Division of Reactor Projects

Docket Nos. 50-277, 50-278 License Nos. NPF-44, NPF-56

Enclosure: Peach Bottom Inspection/ Activity Plan

<u>Distribution w/encl:</u> (via E-mail)

S. Collins, RA M. Dapas, DRA J. Trapp, DRP

C. Khan, DRP

F. Bower, DRP - NRC Senior Resident Inspector

D. Schroeder, DRP - NRC Resident Inspector

S. Schmitt, DRP - NRC Resident OA

B. Sosa, RI OEDO

R. Guzman, NRR

J. Kim, PM, NRR (Back up)

Region I Docket Room (with concurrences)

D. Screnci, PAO N. Sheenhan, PAO DRS Director

DRS Deputy Director DRS Branch Chiefs RidsNrrDipb@nrc.gov

Institute of Nuclear Power Organization (INPO)

SUNSI Review Complete: \_\_\_\_\_\_ JMT \_\_\_\_ (Reviewer's Initials)

DOCUMENT NAME: S:\ROP 7 Mid Cycle Review\2006 ROP7 Mid-Cycle Letters\PB 2006 Mid-Cycle Letter.wpd After declaring this document "An Official Agency Record" it will be released to the Public.

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure "E" = Copy with attachment/enclosure "N" = No copy

OFFICE	RI/DRP		RI/DRP	RI/DRP	Е
NAME	FBower/CBK FC	)R	CKhan	JTrapp	
DATE	08/28/06		08/28/06	08/28/06	

OFFICIAL RECORD COPY

Page 1 of 3 08/31/2006 11:43:54 Peach Bottom
Inspection / Activity Plan
07/01/2006 - 03/31/2008

Report 22

Unit				No. of Staff	Planned Dates		Inspection
Number	Inspection Ac	ctivity	Title	on Site	Start	End	Туре
	37801	- SAFET	Y REV, DES CHNGS, MODS	1			
1	IP 37801		Safety Reviews, Design Changes, And Modifications At Permanently Shutdown Reactors		06/19/2006	07/31/2006	Other Routine
	40801	- SELF-A	ASSMT, AUDITS, CORRECTIVE ACTIONS	1			
1	IP 40801		Self-Assessment, Auditing, And Corrective Action At Permanently Shutdown Reactors		06/19/2006	07/31/2006	Other Routine
	83750	- OCCU	PATIONAL RADIATION EXPOSURE	1			
1	IP 83750		Occupational Radiation Exposure		06/19/2006	07/31/2006	Other Routine
	84750	- RAD W	ST TRTMT, EFF, AND ENV MONITORING	1			
1	IP 84750		Radioactive Waste Treatment, And Effluent And Environmental Monitoring		06/19/2006	07/31/2006	Other Routine
	86750	- SOLID	RADWST MGMT AND TRANS OF RAD MAT	1			
1	IP 86750		Solid Radioactive Waste Management And Transportation Of Radioactive Materials		06/19/2006	07/31/2006	Other Routine
	36801	- ORG, N	MGMT, COST CONTROL	1			
1	IP 36801		Organization, Management, And Cost Controls At Permanently Shutdown Reactors		06/30/2006	08/11/2006	Other Routine
	7111112B	- MAINT	ENANCE RULE	1			
2, 3	IP 7111112B		Maintenance Effectiveness		07/17/2006	07/21/2006	Baseline Inspections
	7111107B	- HEAT	SINK	2			
2, 3	IP 7111107B		Heat Sink Performance		07/24/2006	07/28/2006	Baseline Inspections
	71121	- OCC R		1			
2, 3	IP 7112101		Access Control to Radiologically Significant Areas		07/31/2006	08/04/2006	Baseline Inspections
2, 3	IP 7112102		ALARA Planning and Controls		07/31/2006	08/04/2006	Baseline Inspections
2, 3	IP 7112103		Radiation Monitoring Instrumentation and Protective Equipment		07/31/2006	08/04/2006	Baseline Inspections
	7111108G ·	- INSER	VICE INSPECTION - UNIT 2	1			
2	IP 7111108G		Inservice Inspection Activities - BWR		09/18/2006	09/29/2006	Baseline Inspections
	71121	- OCC R	AD PROT	1			
2, 3	IP 7112101		Access Control to Radiologically Significant Areas		09/25/2006	09/29/2006	Baseline Inspections
2, 3	IP 7112102		ALARA Planning and Controls		09/25/2006	09/29/2006	Baseline Inspections
2, 3	IP 7112103		Radiation Monitoring Instrumentation and Protective Equipment		09/25/2006	09/29/2006	Baseline Inspections
	TI-169	- MSPI 1	ΓI-169	1			
2, 3	IP 2515/169		Mitigating Systems Performance Index Verification		10/30/2006	11/10/2006	Safety Issues
	71121	- OCC R	AD PROT	1			
2, 3	IP 7112101		Access Control to Radiologically Significant Areas		11/13/2006	11/17/2006	Baseline Inspections
2, 3	IP 7112102		ALARA Planning and Controls		11/13/2006	11/17/2006	Baseline Inspections
2, 3	IP 7112103		Radiation Monitoring Instrumentation and Protective Equipment		11/13/2006	11/17/2006	Baseline Inspections
2, 3	IP 71151		Performance Indicator Verification		11/13/2006	11/17/2006	Baseline Inspections
	TI-167	- TI: SH	UTDOWN COOLING	3			
2, 3	IP 2515/167		Assurance of Industry Implementation of Key Shutdown Voluntary Initiatives		11/27/2006	12/01/2006	Safety Issues

This report does not include INPO and OUTAGE activities.

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

Page 2 of 3

08/31/2006 11:43:54

Report 22

### **Peach Bottom** Inspection / Activity Plan 07/01/2006 - 03/31/2008

Unit			No. of Staff	Planned Dates		Inspection
Number	Inspection Activity	Title	on Site	Start	End	Туре
	2/5EXAM - OPER	ATOR LICENSING INITIAL EXAMS	3			
2	U01612	PEACH BOTTOM, UNIT 2&3 INITIAL EXAM (2/07)		01/08/2007	01/12/2007	Not Applicable
2	U01612	PEACH BOTTOM, UNIT 2&3 INITIAL EXAM (2/07)		02/05/2007	02/16/2007	Not Applicable
	7111111B - L.O.(P	WR.) REQUAL. PROG. + P/F REVIEW	3			
2, 3	IP 7111111B	Licensed Operator Requalification Program		02/26/2007	03/02/2007	Baseline Inspections
2, 3	IP 7111111B	Licensed Operator Requalification Program		03/05/2007	03/09/2007	Baseline Inspections
	71122 - PUBL	IC RAD PROT - RETS	1			
2, 3	IP 7112201	Radioactive Gaseous and Liquid Effluent Treatment and Monitoring Systems		02/12/2007	02/16/2007	Baseline Inspections
	71111117 - MODS	S AND 50.59	4			
2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		03/05/2007	03/09/2007	Baseline Inspections
2, 3	IP 7111117B	Permanent Plant Modifications		03/05/2007	03/09/2007	Baseline Inspections
	71121 - OCC F	RAD SAFETY	1			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		04/09/2007	04/13/2007	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		04/09/2007	04/13/2007	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		04/09/2007	04/13/2007	Baseline Inspections
	71152B - PI&R		4			
2, 3	IP 71152B	Identification and Resolution of Problems		04/23/2007	04/27/2007	Baseline Inspections
2, 3	IP 71152B	Identification and Resolution of Problems		05/14/2007	05/18/2007	Baseline Inspections
	60855.1 - OPER	ATION OF AN ISFSI	3			
2, 3	IP 60855.1	Operation of an Independent Spent Fuel Storage Installation at Operating Plants		05/01/2007	09/15/2007	Other Routine
	6/2 EXAM - INITIA	L LSRO OPERATOR EXAM	2			
2	U01660	FY07 - PEACH BOTTOM (UNIT 2&3) INITIAL LSRO EXAM OPERATOR		05/05/2007	05/09/2007	Not Applicable
2	U01660	FY07 - PEACH BOTTOM (UNIT 2&3) INITIAL LSRO EXAM OPERATOR		06/02/2007	06/06/2007	Not Applicable
	71114 - EP PR	RGM INSP	1			
2, 3	IP 7111402	Alert and Notification System Testing		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 71151-EP01	Drill/Exercise Performance		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 71151-EP02	ERO Drill Participation		06/18/2007	06/22/2007	Baseline Inspections
2, 3	IP 71151-EP03	Alert & Notification System		06/18/2007	06/22/2007	Baseline Inspections
	7112202 - PUB F	RAD SAFETY - RADWASTE	1			
2, 3	IP 7112202	Radioactive Material Processing and Transportation		06/18/2007	06/22/2007	Baseline Inspections
	7112203 - PUB F	RAD SAFETY - REMP	1			
2,3	IP 7112203	Radiological Environmental Monitoring Program (REMP) And Radioactive Material Control Program (REMP)		07/30/2007	08/03/2007	Baseline Inspections

This report does not include INPO and OUTAGE activities.

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

Page 3 of 3 08/31/2006 11:43:54 Report 22

# Peach Bottom Inspection / Activity Plan 07/01/2006 - 03/31/2008

Unit		No. of Sta		of Staff Planned Dates		Inspection
Number	Inspection Activity	Title	on Site	Start	End	Туре
	71121 - OCC R	AD SAFETY	1			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		09/10/2007	09/14/2007	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		09/10/2007	09/14/2007	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		09/10/2007	09/14/2007	Baseline Inspections
	7111108G - U3 IN-	SERVICE INSPECTION	1			
3	IP 7111108G	Inservice Inspection Activities - BWR		10/01/2007	10/05/2007	Baseline Inspections
	71121 - OCC R	RAD SAFETY	1			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		10/08/2007	10/12/2007	Baseline Inspections
2,3	IP 7112102	ALARA Planning and Controls		10/08/2007	10/12/2007	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation and Protective Equipment		10/08/2007	10/12/2007	Baseline Inspections
	7111111B - LSRO	REQUAL PROG. OPTEST @PB +PF REVIEW	2			
2, 3	IP 7111111B	Licensed Operator Requalification Program		11/01/2007	11/01/2007	Baseline Inspections
	71121 - OCC R	RAD SAFETY	1			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		12/10/2007	12/14/2007	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		12/10/2007	12/14/2007	Baseline Inspections
2,3	IP 71151	Performance Indicator Verification		12/10/2007	12/14/2007	Baseline Inspections
	7111121 - CDBI		8			
2, 3	IP 7111121	Component Design Bases Inspection		03/10/2008	03/14/2008	Baseline Inspections
2, 3	IP 7111121	Component Design Bases Inspection		03/24/2008	03/28/2008	Baseline Inspections
2, 3	IP 7111121	Component Design Bases Inspection		03/31/2008	04/04/2008	Baseline Inspections