

November 29, 2000

Mr. Oliver D. Kingsley  
PECO Energy Company  
1400 Opus Place  
Downers Grove, IL 60515-5701

SUBJECT: MID-CYCLE REVIEW - PEACH BOTTOM ATOMIC POWER STATION

Dear Mr. Kingsley:

On November 7, 2000, the NRC staff completed its Mid-Cycle plant performance assessment of the Peach Bottom Atomic Power Station. The Mid-Cycle Review for Peach Bottom involved the participation of the responsible technical divisions in Region I in evaluating performance indicators and inspection results for the period of April 2, 2000 through September 30, 2000. The purpose of this letter is to inform you of our assessment of your safety performance during the period and our plans for future inspections at your facility so that you will have an opportunity to prepare for these inspections and to inform us of any planned inspections which may conflict with your plant activities.

Plant performance for the most recent quarter was within the Regulatory Response Column of the NRC's Action Matrix based on a white performance indicator for the Alert and Notification System in the Emergency Preparedness cornerstone and an inspection finding of low to moderate safety significance (White) in the Public Radiation Safety cornerstone. Your staff reported that the 3<sup>rd</sup> Quarter 2000 Alert and Notification System performance indicator was white due to multiple inoperable sirens caused by improper maintenance. As noted in our letter of August 3, 2000, the white inspection finding was due to improper classification of radioactive waste shipped for shallow land burial.

We understand that your staff has taken actions to improve those areas that caused these performance issues. Nevertheless, in addition to our baseline inspections at Peach Bottom, we plan to conduct two supplemental inspections to review your staff's long-term corrective actions.

Enclosure 1 details the scheduled inspections that will occur through September 30, 2001. The inspection plan is provided to minimize the resource impact on your staff, and to allow for scheduling conflicts and personnel availability to be resolved in advance of inspector arrival onsite. Routine resident inspections are not listed due to their ongoing and continuous nature. The last six months of the inspection plan are tentative and may be revised at the end-of-cycle review meeting.

In accordance with 10 CFR 2.790 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publically Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/NRC/ADAMS/index.html> (the Public Electronic Reading Room).

Mr. Oliver D. Kingsley  
Peach Bottom Atomic Power Station

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 Curtis Cowgill of my staff at (610) 337-5233 with any questions you may have regarding this letter or the inspection plan.

Sincerely,

**/RA/**

Richard V. Crlenjak, Deputy Director  
Division of Reactor Projects

Docket Nos. 05000277, 05000278  
Licensee Nos. DPR-44, DPR-56

Enclosures: Peach Bottom Atomic Power Station Inspection/ Activity Plan

cc.

J. Hagan, Senior Vice President, Nuclear Operations  
J. Skolds, Chief Operating Officer  
J. Doering, Vice President, Peach Bottom Atomic Power Station  
G. Johnston, Plant Manager, Peach Bottom Atomic Power Station  
J. A. Benjamin, Licensing - Vice President, Exelon Nuclear  
J. A. Hutton, Director, Licensing, PECO Energy Company  
G. Hunger, Chairman, Nuclear Review Board  
R. Boyce, Director, Nuclear Quality Assurance  
A. F. Kirby, III, External Operations - Delmarva Power & Light Co.  
A. A. Winter, Manager, Experience Assessment  
J. W. Durham, Sr., Senior Vice President and General Counsel  
H. C. Kresge, Manager, External Operations, Connectiv  
N. J. Sproul, Manager, Financial Control & Co-Owner Affairs, Connectiv  
R. McLean, Power Plant Siting, Nuclear Evaluations  
D. Levin, Acting Secretary of Harford County Council  
R. Ochs, Maryland Safe Energy Coalition  
J. H. Walter, Chief Engineer, Public Service Commission of Maryland  
Mr. & Mrs. Dennis Hiebert, Peach Bottom Alliance  
Mr. & Mrs. Kip Adams  
Commonwealth of Pennsylvania  
State of Maryland  
TMI - Alert (TMIA)

Mr. Oliver D. Kingsley  
Peach Bottom Atomic Power Station

3

Distribution w/encl:

Region I Docket Room (with concurrences)  
A. McMurtray, DRP - NRC Resident Inspector  
H. Miller, RA  
J. Wiggins, DRA  
C. Cowgill, DRP  
D. Florek, DRP  
D. Cullison, DRP  
C. O'Daniell, DRP  
B. Platcheck, DRP  
M. Oprendeck, WCAC  
A. Blough, DRP  
W. Lanning, DRS  
R. Crlenjak, DRP  
B. Holian, DRS  
DRS Branch Chiefs  
J. Shea, OEDO  
W. Dean, NRR  
E. Adensam, NRR  
J. Clifford, NRR  
R. Boska, NRR

DOCUMENT NAME: G:\BRANCH4\Assessment\PB\Peach Bottom 2000 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			
NAME	DFlorek	CCowgill	ABlough			
DATE	11/27/00	11/29/00	11/29/00	11/ /00	11/ /00	

OFFICIAL RECORD COPY

**Peach Bottom**  
**Inspection / Activity Plan**  
**12/03/2000 - 09/29/2001**

ENCLOSURE

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
	<b>71152</b>	<b>- PROBLEM IDENTIFICATION &amp; RESOLUTION</b>	<b>4</b>			
2, 3	IP 71152	Identification and Resolution of Problems		12/11/2000	12/15/2000	Baseline Inspections
2, 3	IP 71152	Identification and Resolution of Problems		12/18/2000	12/22/2000	Baseline Inspections
	<b>95001</b>	<b>- WHITE ISSUE-RADWASTE</b>	<b>1</b>			
2, 3	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		12/18/2000	12/22/2000	Supplemental Program
	<b>2/5 EXAM</b>	<b>- INIT OPER LIC EXAM</b>	<b>3</b>			
2	U01259	PEACH BOTTOM 2 INITIAL EXAM		01/08/2001	01/12/2001	Not Applicable
3	U01261	PEACH BOTTOM 3 INITIAL EXAM		01/08/2001	01/12/2001	Not Applicable
2	U01259	PEACH BOTTOM 2 INITIAL EXAM		02/05/2001	02/13/2001	Not Applicable
3	U01261	PEACH BOTTOM 3 INITIAL EXAM		02/05/2001	02/13/2001	Not Applicable
	<b>71121</b>	<b>- OCCUPATIONAL RAD SAFETY</b>	<b>1</b>			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		01/08/2001	01/12/2001	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		01/08/2001	01/12/2001	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation		01/08/2001	01/12/2001	Baseline Inspections
	<b>95001</b>	<b>- SIREN FOLLOWUP</b>	<b>1</b>			
2, 3	IP 95001	Supplemental Inspection For One Or Two White Inputs In A Strategic Performance Area		02/12/2001	02/16/2001	Supplemental Program
	<b>71121</b>	<b>- OCCUPATIONAL RAD SAFETY</b>	<b>1</b>			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		02/26/2001	03/02/2001	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		02/26/2001	03/02/2001	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation		02/26/2001	03/02/2001	Baseline Inspections
2, 3	IP 71151	Performance Indicator Verification		02/26/2001	03/02/2001	Baseline Inspections
	<b>71130</b>	<b>- SECURITY</b>	<b>1</b>			
2, 3	IP 7113001	Access Authorization Program (Behavior Observation Only)		02/26/2001	03/02/2001	Baseline Inspections
2, 3	IP 7113002	Access Control (Search of Personnel, Packages, and Vehicles: Identification and Authorizatio		02/26/2001	03/02/2001	Baseline Inspections
	<b>7111111B</b>	<b>- LIC OPER RQ INSP</b>	<b>2</b>			
2, 3	IP 7111111B	Licensed Operator Requalification		03/05/2001	03/09/2001	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		04/09/2001	04/13/2001	Baseline Inspections
2, 3	IP 7112103	Radiation Monitoring Instrumentation		04/09/2001	04/13/2001	Baseline Inspections
	<b>71121</b>	<b>- OCC RAD SAFETY</b>	<b>1</b>			
2, 3	IP 7112101	Access Control to Radiologically Significant Areas		06/04/2001	06/08/2001	Baseline Inspections
2, 3	IP 7112102	ALARA Planning and Controls		06/04/2001	06/08/2001	Baseline Inspections
	<b>7111112B</b>	<b>- MAINT RULE</b>	<b>1</b>			
2, 3	IP 7111112B	Maintenance Rule Implementation		06/25/2001	06/29/2001	Baseline Inspections

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

**Peach Bottom**  
**Inspection / Activity Plan**  
**12/03/2000 - 09/29/2001**

Unit Number	Inspection Activity	Title	No. of Staff on Site	Planned Dates		Inspection Type
				Start	End	
<b>7/30LSRO - LSRO INIT EXAM</b>			<b>2</b>			
2	U01259	PEACH BOTTOM 2 INITIAL EXAM		07/09/2001	07/13/2001	Not Applicable
3	U01261	PEACH BOTTOM 3 INITIAL EXAM		07/09/2001	07/13/2001	Not Applicable
2	U01259	PEACH BOTTOM 2 INITIAL EXAM		07/30/2001	08/10/2001	Not Applicable
3	U01261	PEACH BOTTOM 3 INITIAL EXAM		07/30/2001	08/10/2001	Not Applicable
<b>71114 - EP PRGM REVIEW &amp; PI</b>			<b>1</b>			
2, 3	IP 7111402	Alert and Notification System Testing		07/16/2001	07/27/2001	Baseline Inspections
2, 3	IP 7111403	Emergency Response Organization Augmentation Testing		07/16/2001	07/27/2001	Baseline Inspections
2, 3	IP 7111404	Emergency Action Level and Emergency Plan Changes		07/16/2001	07/27/2001	Baseline Inspections
2, 3	IP 7111405	Correction of Emergency Preparedness Weaknesses and Deficiencies		07/16/2001	07/27/2001	Baseline Inspections
2, 3	IP 71151	Performance Indicator Verification		07/16/2001	07/27/2001	Baseline Inspections
<b>711117B - MODS</b>			<b>3</b>			
2, 3	IP 7111102	Evaluation of Changes, Tests, or Experiments		09/17/2001	09/21/2001	Baseline Inspections
2, 3	IP 711117B	Permanent Plant Modifications		09/17/2001	09/21/2001	Baseline Inspections