

Exelon Nuclear  
Peach Bottom Atomic Power Station  
1848 Lay Rd.  
Delta, PA 17314

www.exeloncorp.com

10 CFR 50.55a

January 8, 2010

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Peach Bottom Atomic Power Station (PBAPS), Unit 3  
Facility Operating License No. DPR-56  
NRC Docket No. 50-278

Subject: Submittal of Inservice Inspection (ISI) Owner's Activity Report for the 17<sup>th</sup>  
Refueling Outage for Unit 3

Attached is the ISI Owner's Activity Report covering ISI activities associated with the first period of the current ISI inspection interval for Unit 3. This report is submitted pursuant to the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, "Rules for the Inservice Inspection of Nuclear Power Plant Components," Article IWA-6200, "Requirements" (2001 Edition) and ASME Code Case N-532-4 (Repair/Replacement Activity Documentation Requirements and Inservice Summary Report Preparation and Submission, Section XI, Division 1).

If you have any questions, feel free to contact Mr. Ronald DiSabatino at 717-456-3193.

*Gary R. Stalks FOR WFMAGUIRE*

William F. Maguire  
Site Vice President  
Peach Bottom Atomic Power Station

cc: F. L. Bower, Senior Resident Inspector, USNRC, PBAPS  
R. R. Janati, Commonwealth of Pennsylvania  
Region 1 Administrator, USNRC

CCN: 09-85

Attachment

A047  
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**PEACH BOTTOM ATOMIC POWER STATION, UNIT No. 3 – P3R17 OAR REPORT**

**FORM OAR-1 OWNER'S ACTIVITY REPORT**

Report Number P3R17

Plant Peach Bottom Atomic Power Station, 1848 Lay Road, Delta, PA 17314

Unit No. 3 Commercial Service Date December 23, 1974 Refueling Outage No. 17

Current Inspection Interval ISI = Fourth / CISI = Second

Current Inspection Period ISI = First / CISI = First

Edition and Addenda of Section XI Applicable to the inspection plans 2001 Edition through 2003 Addenda

Date and revision of inspection plan 08/03/2009 Rev 0

Edition & Addenda of Section XI Applicable to repairs and replacements, if different than the inspection plan  
2001 Edition through 2003 Addenda

**CERTIFICATE OF CONFORMANCE**

I certify that (a) the statements made in this report are correct; (b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI; and (c) the repair/replacement activities and evaluations supporting the completion of P3R17 conform to the requirements of Section XI.

Signed RJDS Ronald J. DiSabatino, ISI Program Engineer Date 12/18/09  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the items described in this Owner's Activity Report, and state that, to the best of my knowledge and belief, the Owner has performed all activities represented by this report in accordance with the requirements of Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair/replacement activities and evaluation described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature [Signature] Commissions NB 2592 PA 2163 A, N I, N S  
National Board, State, Province, and Endorsements  
Date 12/22/09

**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
NOVEMBER 4, 2008 TO OCTOBER 13, 2009  
(END OF P3R17 REFUEL OUTAGE)**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Evaluation Description</b>
F-A	F1.20	10-GB-S-49 Hydraulic Snubber	Relevant Condition – cotter pin bent and partially into clevis hole . the snubber is currently fully functional and operable with regard to this condition Accepted by Engineering. Ref IR # 924296
F-A	F1.20	10-GB-S-49 Hydraulic Snubber	Relevant Condition – paddle is in contact with clamp, the examiner verified that the paddle attachment was able to move and was not bound up. Accepted by Engineering. Ref IR # 924583
F-A	F1.30	33-HB-S-145 Rigid Restraint	Relevant Conditions - a loose nut on the bottom of the clamp, clamp movement, loose bolting, and a missing bolt and a jam nut. As found condition does not prevent the hanger from performing its function Accepted by Engineering Ref IR# 965516 and 969496
F-A	F1.30	33HB-H152 Spring Hanger	Relevant Condition – doesn't have adequate engagement of the top nut and the support is in contact with another pipe in the area. As found condition does not prevent the hanger from performing its function. Accepted by Engineering Ref IR# 965517
F-A	F1.10	PH-87 Spring Hanger	Relevant Condition - the rod was found to have interference with the grating. As found condition does not prevent the hanger from performing its function Accepted by Engineering Ref IR# 966072
F-A	F1.10	PH-86 Spring Hanger	Relevant Condition - spring can is outside the cold set by 2 pounds. As found condition does not prevent the hanger from performing its function. Accepted by Engineering Ref IR# 967125
F-A	F1.10	12DCN-H152 Spring Hanger	Relevant Condition - missing cotter pin. Cotter pin replaced Ref IR# 967653
N/A	Aug C2	3A Core Spray Suction Strainer	Relevant Condition- Loose nuts were tightened Ref IR# 967967
N/A	Aug C2	3B Core Spray Suction Strainer	Relevant Condition- Loose bolts were tightened Ref IR# 967972
N/A	Aug C2	3C Core Spray Suction Strainer	Relevant Condition- Loose washers were left as is since bolting is tight Ref IR# 967976
N/A	Aug C2	3D Core Spray Suction Strainer	Relevant Condition- Loose nuts and bolts were retightened Ref IR# 967978
E-A	E1.11	N-1 Hatch	Relevant Condition - missing cotter pin. Cotter pin replaced Ref IR# 969494

**ABSTRACT OF ASME REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
NOVEMBER 4, 2008 TO OCTOBER 13, 2009  
(END OF P3R17 REFUEL OUTAGE)**

**SYSTEM 01: MAIN STEAM SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacment</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	RV-3-02-071D	Installed a rebuilt safety relief valve	1/23/2009	08-086, C0224447
Class 1	Replacement	RV-3-02-071B	Installed a rebuilt safety relief valve	10/7/2009	09-027, R1013142
Class 1	Replacement	RV-3-02-070B	Installed a rebuilt safety relief valve	10/7/2009	09-028, R1013214
Class 1	Replacement	RV-3-02-071H	Installed a rebuilt safety relief valve	10/7/2009	09-029, R1013140
Class 1	Replacement	RV-3-02-071E	Installed a rebuilt safety relief valve	10/7/2009	09-030, R1011385
Class 1	Replacement	RV-3-02-071A	Installed a rebuilt safety relief valve	10/7/2009	09-032, R1013216
Class 2	Replacement	HV-3-01A-39659	Installed new valve bonnet	10/12/2009	09-081, C0227756
Class 1	Replacement	RV-3-02-071C	Installed a rebuilt safety relief valve	10/7/2009	09-091, R1084232
Class 1	Replacement	RV-3-02-071K	Installed a rebuilt safety relief valve	10/7/2009	09-092, R1084218
Class 1	Replacement	RV-3-02-071G	Installed a rebuilt safety relief valve	10/7/2009	09-093, R1084262
Class 1	Replacement	RV-3-02-070A	Installed a rebuilt safety relief valve	10/7/2009	09-094, R1087700

**SYSTEM 01H: MAIN TURBINE SEAL STEAM SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacment</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	MO-3-01H-3323	Replaced valve bonnet studs	10/12/2009	09-018, C0222877

**ABSTRACT OF ASME REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
NOVEMBER 4, 2008 TO OCTOBER 13, 2009  
(END OF P3R17 REFUEL OUTAGE)**

**SYSTEM 03: CONTROL ROD DRIVE**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	CRD's 06-47, 10-43, 14-35, 18-27, 22-47, 22-59, 26-19, 26-23, 26-31, 26-43, 30-35, 34-11, 34-31, 34-39, 34-47, 38-27, 38-31, 42-31, 46-19	Exchanged CRD's with rebuilt CRD's	10/7/2009	09-014, R1101261

**SYSTEM 06D: FEEDWATER PUMP TURBINE**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	MO-3-06D-3163B	Installed new pressure seal	10/13/2009	07-161, C0223145

**SYSTEM 07: PRIMARY CONTAINMENT**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class M	Replacement	N-006	Replaced 5 studs and nuts on CRD Hatch	10/9/2009	09-040, R1080393

**ABSTRACT OF ASME REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
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**SYSTEM 10: RESIDUAL HEAT REMOVAL**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	RV-3-10-181A	Installed new RHR Hx. 3AE024 Shell Side Relief Valve	11/17/2008	08-131, R0921259
Class 1	Replacement	MO-3-10-025A	Replaced one bonnet stud	10/7/2009	09-095, C0225848
Class 1	Replacement	AO-3-10-046B	Replaced two bonnet studs and nuts	10/7/2009	09-106, R1013509
Class 2	Replacement	PB-3-10-3AS769	Replaced two washers on the rhr suction strainer	10/2/2009	09-108, C0230593

**SYSTEM 11: STANDBY LIQUID CONTROL SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	RV-3-11-39A	Installed new relief valve	10/7/2009	08-102, R1087602

**SYSTEM 14: CORE SPRAY SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	PB-3-14-3BS763	Replaced one nut on the core spray suction strainer	10/2/2009	09-107, C0230593

**ABSTRACT OF ASME REPAIR/REPLACEMENT ACTIVITIES REQUIRED FOR CONTINUED SERVICE  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
NOVEMBER 4, 2008 TO OCTOBER 13, 2009  
(END OF P3R17 REFUEL OUTAGE)**

**SYSTEM 23: HIGH PRESSURE COOLANT INJECTION SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	VRV-3-23C-5998A	Installed new vacuum relief valve.	6/15/2009	09-004, R0887595
Class 2	Replacement	PB-3-23-30E105	Replaced HPCI Lube Oil Cooler head bolts on both ends	10/7/2009	09-104, C0230417

**SYSTEM 32: HIGH PRESSURE SERVICE WATER SYSTEM**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 3	Replacement	CHK-3-32-502B	Replaced HPSW 3BP042 Disch Check Valve drain pipe	6/1/2009	09-045, C0227882

**SYSTEM 33: EMERGENCY SERVICE WATER**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 3	Replacement	2-DG-33-220	Replaced leak in leak in 6" E3/E4 Diesel ESW piping	12/18/2008	08-128, C0225767
Class 3	Replacement	33HB-H127,S79,S73	Install shims on 33HB-H127,S79,S73 ESW supports	9/1/2009	09-101, C0230134
Class 3	Replacement	33HB-S145	Installed new pipe clamp bolt and nut on rigid restraint	10/4/2009	09-113, C0230440

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**SYSTEM 65A: HYDRAULIC SNUBBERS**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	12-DCN-S-5	Installed new hydraulic snubber	9/20/2009	09-075, R0545148

**SYSTEM 65B: MECHANICAL SNUBBERS**

<u>Code Class</u>	<u>Repair, or Replacement</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 3	Replacement	1-GG-S-204-A	Installed new mechanical snubber	9/22/2009	09-060, C0227500
Class 3	Replacement	1-GG-S-209-A	Installed new mechanical snubber	9/22/2009	09-061, C0227525
Class 3	Replacement	1-GG-S-206-B	Installed new mechanical snubber	9/24/2009	09-105, C0230490