



10CFR 50.55a

January 21, 2014

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

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

**Subject:** Submittal of the Inservice Inspection (ISI) Owner's Activity Report for the 19<sup>th</sup> Refueling Outage for Unit 3

Attached is the ISI Owner's Activity Report covering ISI activities associated with the second 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 through 2003 Addenda) and ASME Code Case N-532-4 (Repair/Replacement Activity Documentation Requirements and In-Service Summary Report Preparation and Submission, section XI, Division 1).

If you have any questions or require additional information, feel free to contact Brandon DeWalt at 717-456-3587.

Sincerely,

A handwritten signature in black ink, appearing to read "Patrick D. Navin".

Patrick D. Navin  
Plant Manager  
Peach Bottom Atomic Power Station

**Attachment**

cc: US NRC, Administrator, Region I  
US NRC, Senior Resident Inspector  
R. R. Janati, Commonwealth of Pennsylvania  
S. Gray, State of Maryland  
P. Steinhauer, PSE&G, Financial Controls and Co-owner Affairs

CCN: 14-06



**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO.3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
(END OF P3R19 REFUEL OUTAGE)**

Examination Category	Item Number	Item Description	Evaluation Description
F-A	F1.20	1DB-H41 Spring Hanger	Relevant Condition – Spring hanger strut bracket broke away from beam. Condition was corrected; IWF-2430 additional examinations were performed. (Ref IR – 1558309)
F-A	F1.20	1DB-H42 Spring Hanger	Relevant Condition – Spring hanger strut end to pipe clamp was broken. Condition was corrected; IWF-2430 additional examinations were performed. (Ref IR 1558309)
F-A	F1.20	1DB-H43 Spring Hanger	Relevant Condition – Spring hanger load set was outside the 10% design configuration. Condition was corrected; IWF-2430 additional examinations were performed.(Ref IR – 1558550)
F-A	F1.20	1DB-H44 Spring Hanger	Relevant Condition – Spring hanger load set was outside the 10% design configuration. Condition was corrected; IWF-2430 additional examinations were performed. (Ref IR – 1558551)
F-A	F1.20	23DBN-S2 Rigid Restraint	Relevant Condition – The strut was identified as having no movement and the paddle had no clearance on either side due to pipe clamp rotation. Condition was corrected; IWF-2430 additional examinations were performed. (Ref IR – 1559029)
F-A	F1.20	23DBN-S3 Rigid Restraint	Relevant Condition – The base plates were pulled away from the ceiling. Condition was corrected; IWF-2430 additional examinations were performed. (Ref IR - 1558547)
E-A	E1.11	Containment Coating	Relevant Condition – General visual examinations of the containment identified minor coating deterioration. The conditions identified did not require repair per the coatings program. (Ref IR – 1559490, 1562169 and 1563175)

TABLE 2

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

**SYSTEM 01: MAIN STEAM SYSTEM**

Code Class	Repair, Replacement, or Corrective Measure	Item Description (component I.D.)	Description Of Work Performed	Flaw or Relevant Condition Found During Scheduled Section XI Exam	Date	R&R Plan # and W/O #
				Or Test	Complete	
Class 1	Repair	Target Rock RV's	NWS Technologies install thermowell hole on safety vlv	No	3/7/2013	13-127, N/A
Class 1	Replacement	RV-3-02-071B	Installed a rebuilt safety relief valve	No	10/16/2013	13-043, R1147699
Class 1	Replacement	RV-3-02-071C	Installed a rebuilt safety relief valve	No	10/16/2013	13-044, R1147704
Class 1	Replacement	RV-3-02-071D	Installed a rebuilt safety relief valve	No	10/16/2013	13-045, R1213105
Class 1	Replacement	RV-3-02-071E	Installed a rebuilt safety relief valve	No	10/16/2013	13-046, R1147696
Class 1	Replacement	RV-3-02-071G	Installed a rebuilt safety relief valve	No	10/16/2013	13-047, R1146986
Class 1	Replacement	RV-3-02-071H	Installed a rebuilt safety relief valve	No	10/16/2013	13-048, R1147702
Class 1	Replacement	RV-3-02-071K	Installed a rebuilt safety relief valve	No	10/16/2013	13-049, R1146976
Class 1	Replacement	RV-3-02-070A	Installed a rebuilt safety relief valve	No	10/16/2013	13-050, R1147705

**SYSTEM 01A: MAIN STEAM SYSTEM**

Code Class	Repair, Replacement, or Corrective Measure	Item Description (component I.D.)	Description Of Work Performed	Flaw or Relevant Condition Found During Scheduled Section XI Exam	Date	R&R Plan # and W/O #
				Or Test	Complete	
Class 1	Replacement	MO-3-01A-074	Installed new valve	No	10/16/2013	09-002, C0226825
Class A/2	Replacement	MS ECR 12-00016	EPU - New MS Supports/Snubbers per ECR 12-00016	No	10/22/2013	13-002, C0244999
Class A/2	Replacement	MS ECR 12-00016	EPU - Modify MS Supports/Snubbers per ECR 12-00016	No	10/22/2013	13-003, C0245000
Class 1	Replacement	SRV Disch Line Supports	EPU - Modify Supports S-815, 3-1GG-S203, 3-1GG-S206 per ECR 11-00369	No	10/22/2013	13-105, C0246156
Class 1	Replacement	MS ECR 11-00369	EPU - New MS Snubber Supports Inside Drywell, "A" and "B" Lines, per ECR 11-00369	No	10/22/2013	13-119, C0245643
Class 1	Replacement	MS ECR 11-00369	EPU - New MS Snubber Supports Inside Drywell, "C" and "D" Lines, per ECR 11-00369	No	10/22/2013	13-120, C0245644
Class 1	Replacement	MS ECR 11-00369	EPU - New MS Snubbers Inside Containment	No	10/22/2013	13-131, C0245642
Class A	Repair	1-DB-S-102	Rework / Reweld support	No	9/28/2013	13-140, C0248743
Class 2	Repair	1-DB-H41	Rework / Reweld strut support per A1923799 Eval 01	No	10/5/2013	13-153, C0249650
Class 2	Repair	1-DB-H179	Rework / Reweld strut support per A1923799 Eval 01	No	10/4/2013	13-154, C0249650

TABLE 2

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FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

**SYSTEM 03: CONTROL ROD DRIVE**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	CRD's 06-23, 30-07, 38-47 18-11, 34-07, 46-15, 58-31 18-19, 34-43, 50-39, 30-47 22-15, 34-55, 14-07, 34-59 26-55, 38-15, 18-35	Exchanged CRD's with rebuilt CRD's	No	10/16/2013	13-042, R1224559

**SYSTEM 06: FEEDWATER**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	Feedwater Supports	EPU U3 - modify supports 6-DDNL-S-12 and 6-DDNL-S-14 per ECR 11-00369	No	10/22/2013	13-108, C0246159

**SYSTEM 10: RESIDUAL HEAT REMOVAL**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	PB-3-10-3AE024	Replaced Heat Exchanger Upper Head Studs and Nuts	No	1/16/2013	12-094, R0974614
Class 2/3	Replacement	B/D Loop RHR Crosstie	EPU Online Work - B/D RHR Crosstie per ECR 11-00496	No	10/11/2013	13-122, C0245645
Class 2	Replacement	RV-3-10-072A	Installed new RHR Pump 3AP035 Suction Relief Valve	No	9/11/2013	11-119, R1191746
Class 2	Replacement	RV-3-10-072B	Installed new RHR Pump 3BP035 Suction Relief Valve	No	10/5/2013	11-120, R1191748
Class 2	Replacement	RV-3-10-072C	Installed new RHR Pump 3CP035 Suction Relief Valve	No	9/13/2013	11-121, R1191750
Class 2	Replacement	"B" Loop RHR Crosstie	EPU U3 - modify "B" Loop RHR Large Bore piping per ECR 11-00496	No	10/11/2013	13-115, C0245758

TABLE 2

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FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

**SYSTEM 10: RESIDUAL HEAT REMOVAL (continued)**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	"B" Loop RHR Crosstie	EPU U3 - final installation modify "B" RHR Pipe Supports and Hangers per ECR 11-00496	No	10/11/2013	13-116, C0245761
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-19-R1	No	10/11/2013	13-117B, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD20-21-R1	No	10/11/2013	13-117C, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-27-R1	No	10/11/2013	13-117D, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-20-R1	No	10/11/2013	13-117E, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-18-R1	No	10/11/2013	13-117F, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD20-21-R2	No	10/11/2013	13-117O, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD20-21-R3	No	10/11/2013	13-117P, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-17-R1	No	10/11/2013	13-117Q, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-21-R1	No	10/11/2013	13-117R, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Replace half couplings per ECR 11-00496, AWA's 15/16	No	10/11/2013	13-117T, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB18-23-R1	No	10/11/2013	13-117U, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair surface blend weld 10-2DB18-23	No	10/11/2013	13-117W, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair surface blend weld 10-2DD18-26	No	10/11/2013	13-117X, C0245760
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-12-R1	No	10/11/2013	13-117Y, C0245758
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-16-R1	No	10/11/2013	13-117Z, C0245758
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD20-15-R1	No	10/11/2013	13-117AA, C0245759
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DB20-11-R1	No	10/11/2013	13-117AB, C0245758
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD20-27-R1	No	10/11/2013	13-117AC, C0245759
Class 2	Repair	B/D Loop RHR Crosstie	Post x-ray repair weld designated as 10-2DD18-25-R1	No	10/11/2013	13-117AD, C0245759
Class 2	Replacement	"D" Loop RHR Crosstie	EPU U3 - modify "D" Loop RHR Large Bore piping per ECR 11-00496	No	10/11/2013	13-118, C0245759
Class 2/3	Replacement	"D" Loop RHR Crosstie	EPU U3 - final installation modify "D" RHR Pipe Supports and Hangers per ECR 11-00496	No	10/11/2013	13-126, C0245763

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FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

**SYSTEM 11: STANDBY LIQUID CONTROL SYSTEM**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</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	No	9/27/2013	13-051, R1154446

**SYSTEM 13: REACTOR CORE ISOLATION COOLING SYSTEM**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	VRV-3-13C-139A	Installed new vacuum relief valve	No	1/23/2013	10-180, R0912085
Class 2	Replacement	VRV-3-13C-139B	Installed new vacuum relief valve	No	1/23/2013	10-181, R0912085
Class 2	Replacement	VRV-3-13C-139C	Installed new vacuum relief valve	No	1/23/2013	10-182, R0912085
Class 2	Replacement	VRV-3-13C-139D	Installed new vacuum relief valve	No	1/23/2013	10-183, R0912085
Class 2	Replacement	RCIC Suction Strainer	Installed new bolting hardware	No	10/13/2013	13-130, C0245923

**SYSTEM 14: CORE SPRAY SYSTEM**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	Core Spray Supports	EPU U3 - modify supports 14DCN-H75, 14DCN-S25, 14DCN-S28, ECR 11-00369	No	10/22/2013	13-106, C0246157

TABLE 2

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

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

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	RV-3-23B-034	Installed new relief valve	No	4/30/2012	12-011, R1013658
Class 2	Replacement	MO-3-23-014	Installed new bonnet stud	No	9/18/2013	13-001, R1154361
Class 1	Replacement	HPCI Supports	EPU U3 - modify supports 23DBN-H53 and 23DBN-H54 per ECR 11-00369	No	10/22/2013	13-107, C0246158
Class 2	Replacement	HPCI Suction Strainer	Installed new bolting hardware	No	10/13/2013	13-130, C0245923
Class 2	Repair	23-DBN-S3	Rework rigid restraint support per A1923815 Eval 01	No	10/9/2013	13-145, C0249644
Class 2	Replacement	23-DBN-S1	Replace snubber/spacers/washers/cotter pins	No	10/12/2013	13-146, C0249671

**SYSTEM 27G: TORUS WATER TRANSFER**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	Torus Pump Mod.	Fab & install torus pump/piping per ECR PB12-00477	No	9/12/2013	13-101, C0246355



TABLE 2

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 14, 2011 TO OCTOBER 23, 2013  
( END OF P3R19 REFUEL OUTAGE )**

**SYSTEM 65A: HYDRAULIC SNUBBERS**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 2	Replacement	10-GB-S-52	Installed new hydraulic snubber	No	9/11/2013	13-086, R0545141
Class 2	Replacement	10-GB-S-53	Installed new hydraulic snubber	No	9/11/2013	13-087, R0539848
Class 1	Replacement	6-DDNL-S-5	Installed new hydraulic snubber	No	9/21/2013	13-088, R0545163
Class 2	Replacement	23-DDN-S-29	Installed new hydraulic snubber	No	9/11/2013	13-091, R0545227
Class A	Replacement	12-DCN-S-2	Installed new hydraulic snubber	No	9/27/2013	13-099, R0549633
Class 1	Replacement	6-DDNL-S-10	Installed new hydraulic snubber	No	9/27/2013	13-100, R0471998
Class 1	Replacement	SS-1-B	Installed new hydraulic snubber	No	9/27/2013	13-147, C0249672
Class 2	Replacement	1-DB-S-15-A	Installed new hydraulic snubber	No	10/9/2013	13-148, C0249686

**SYSTEM 65B: MECHANICAL SNUBBERS**

<u>Code Class</u>	<u>Repair, Replacement, or Corrective Measure</u>	<u>Item Description (component I.D.)</u>	<u>Description Of Work Performed</u>	<u>Flaw or Relevant Condition Found During Scheduled Section XI Exam Or Test</u>	<u>Date Complete</u>	<u>R&amp;R Plan # and W/O #</u>
Class 1	Replacement	SS-6-B	Installed new mechanical snubber	No	9/13/2013	11-087, C0237220
Class 2	Replacement	10-GB-S-67	Installed new mechanical snubber	No	10/10/2013	13-064, C0246100
Class 1	Replacement	12-DCN-S-9	Installed new mechanical snubber	No	9/27/2013	13-068, C0246104
Class 1	Replacement	SS-2-B	Installed new mechanical snubber	No	9/11/2013	13-069, C0246105
Class 1	Replacement	H-3LS-142-7	Installed new mechanical snubber	No	9/27/2013	13-070, C0246106
Class A	Replacement	14-HCR-S-4	Installed new mechanical snubber	No	9/20/2013	13-071, C0246107
Class 2	Replacement	10-GB-S-66	Installed new mechanical snubber	No	10/10/2013	13-072, C0246108
Class 2	Replacement	30-JB-S-106	Installed new mechanical snubber	No	10/1/2013	13-078, C0246114
Class 2	Replacement	30-JB-S-105	Installed new mechanical snubber	No	10/1/2013	13-079, C0246115