

Exelon Nuclear  
Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314-9032

www.exeloncorp.com

10 CFR 50.55a

January 29, 2009

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

Peach Bottom Atomic Power Station (PBAPS), Units 2 and 3  
Facility Operating License Nos. DPR-44 and DPR-56  
NRC Docket Nos. 50-277 and 50-278

Subject: Submittal of Third Interval Inservice Inspection (ISI) Owners Activity Reports

References: 1. Peach Bottom Atomic Power Station (PBAPS), Unit 3 3R12 Submittal of Inservice Inspection Summary Report, dated January 31, 2000.  
2. Peach Bottom Atomic Power Station (PBAPS), Submittal of the Third 10-Year Interval First Inspection Period, Inservice Inspection Owners Activity Report for Peach Bottom Atomic Power Station, Unit 3, dated April 26, 2002.

Attached are ISI Owner Activity Reports associated with the PBAPS Units 2 and 3, Third ISI Interval activities. These reports cover ISI activities for refueling outages completed from 2002 through 2008. These reports are 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" (1989 Edition) and ASME Code Case 532 (Alternative Requirements to Repair and Replacement Documentation Requirements and Inservice Summary Report Preparation and Submission as Required by IWA-4000 and Section XI, Division 1).

Attachments 1A, 1B, 2, 3A and 3B are the Owner Activity Reports for the Unit 2, first, second, and third (last) periods of the 3<sup>rd</sup> 10-year ISI interval.

The first period of the 3<sup>rd</sup> 10-year ISI interval for Unit 3 was reported as a summary report (Reference 1) and an Owners Activity Report (Reference 2) in accordance with ASME Section XI, 1989 Edition. Attachments 4, 5A, and 5B are the Owners Activity Reports for the Unit 3 second and third (last) periods of the 3<sup>rd</sup> 10-year ISI interval.

If you have any questions, feel free to contact Mr. Nicholas Alexakos at 717-456-4031.



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

A047  
NRR

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

CCN: 09-10

Attachments (8):

- 1A. Owners Activity Report (OAR-1) for Refueling Outage 2R13, Third ISI Interval, First Period
- 1B. Owners Activity Report (OAR-1) for Refueling Outage 2R14, Third ISI Interval, First Period
- 2. Owners Activity Report (OAR-1) for Refueling Outage 2R15, Third ISI Interval, Second Period
- 3A. Owners Activity Report (OAR-1) for Refueling Outage 2R16, Third ISI Interval, Third Period
- 3B. Owners Activity Report (OAR-1) for Refueling Outage 2R17, Third ISI Interval, Third Period
- 4. Owners Activity Report (OAR-1) for Refueling Outage 3R14, Third ISI Interval, Second Period
- 5A. Owners Activity Report (OAR-1) for Refueling Outage 3R15, Third ISI Interval, Third Period
- 5B. Owners Activity Report (OAR-1) for Refueling Outage 3R16, Third ISI Interval, Third Period

**Attachment 1A**

**Peach Bottom Atomic Power Station Unit 2**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 2R13**

**Third 10-Year ISI Interval, First Period**

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

Report Number: 2R13

Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348

ATTACHMENT 1A  
PAGE 1 OF 11

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

Unit No.: 2 Commercial Service Date: July 5, 1974

Refueling Outage No.: 13

Current Inspection Interval: 3<sup>rd</sup>

Current Inspection Period: 1<sup>st</sup>

Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 & 1992 Editions,  
1992 Addenda

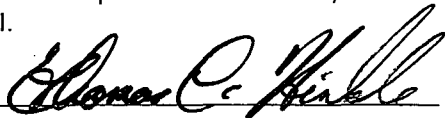
Date and Revision of Inspection Plan: September 7, 2000, Revision # 0 and  
Changes dated March 27, 2001

Edition and Addenda of Section XI applicable to repairs and replacements: Reference CC N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period November 2, 1998 to October 5, 2000 conform to the requirements of Section XI.

Signed: \_\_\_\_\_



Date: \_\_\_\_\_

3/27/01

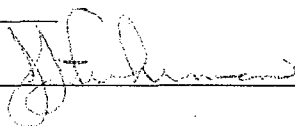
**CERTIFICATE OF INSERVICE INSPECTION**

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 & Insurance Company of Hartford, Connecticut have inspected the components described in the Owner's Data Report during the period November 2, 1998 to October 5, 2000 and state that to the best of my knowledge and belief the Owner has performed examinations and taken corrective measures described in this Owner's Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date: 3/27/01

Inspector's Signature: \_\_\_\_\_



Commissions: \_\_\_\_\_

SB 7592 PA 463

National Board, State, Province & No.

**TABLE 1**  
**ABSTRACT OF EXAMINATIONS AND TESTS**

**PBAPS U/2 Third Interval Inservice Inspection  
Abstract of Examinations and Tests**

ATTACHMENT 1A  
PAGE 3 OF 11

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For This Period	Total Examinations Credited (%) For The Period	Total Examinations Credited (%) To Date For The Interval	Remarks
B-A	31	1	3.2%	3.2%	9 or (29.0%) additional exams sched. 2nd. Outage of 1st. Period
B-D	62	0	0%	0%	24 or (38.7%) examinations sched. 2nd. Outage of 1st. Period
B-E	62	0	0%	0%	Examine during system hydro pressure test sched. 2nd. Period
B-F	10	1	10%	10%	4 or (40.0%) additional exams sched. 2nd. Outage of 1st. Period
B-G-1	10	0	0%	0%	4 or (40.0%) examinations sched. 2nd. Outage of 1st. Period
B-G-2	11*	1	9.1%	9.1%	3 or (27.3%) additional exams sched. 2nd. Outage of 1st. Period
B-J	107	7	6.5%	6.5%	29 or (27.1%) additional exams sched. 2nd. Outage of 1st. Period
B-K	19	0	0%	0%	6 or (31.6%) examinations sched. 2nd. Outage of 1st. Period
B-L-2	1*	0	0%	0%	Examine when pump is disassembled for maintenance
B-M-2	20*	0%	0%	0%	Examine when pump is disassembled for maintenance
B-N-1	3	0	0%	0%	1 or (33.3%) examinations sched. 2nd. Outage of 1st. Period
B-N-2	57	7	12.3%	12.3%	Min. of 3.7% additional exams sched. 2nd. Outage of 1st. Period
B-O	E	X	E	M	P T
B-P	5	1	20%	20%	1 or (20.0%) additional exams sched. 2nd. Outage of 1st. Period
C-A	2	0	0%	0%	1 or (50.0%) examinations sched. 2nd. Outage of 1st. Period
C-B	4	0	0%	0%	2 or (50.0) examinations sched. 2nd. Outage of 1st. Period
C-C	14	1	7.1%	7.1%	5 or (33.3%) additional exams sched. 2nd. Outage of 1st. Period
C-F-2	78	4	5.1%	5.1%	19 or (24.3%) additional exams sched. 2nd. Outage of 1st. Interval
C-H	27	5	18.5%	18.5%	Expected completion of 1st. Period pressure tests is 11/04/2002
D-A	26	4	15.4%	15.4%	5 or (19.2%) additional exams sched. 2nd. Outage of 1st. Period
D-B	9	1	11.1%	11.1%	Expected completion of 1st. Period pressure tests is 11/04/2002
E-A	29	24	50%	50%	Includes 100% General Visual / VT-3 exam during 2R13 ILRT
E-B	OPTIONAL	EXAMS	NOT	PERFORMED	AT PBAPS
E-C	1	0	0%	0%	Per CRR-11, examination sched. during 2nd. Period
E-D	1	1	100%	100%	100% credit as permitted by IWB-2412 (a) (5) 1995 & later Editions
E-F	OPTIONAL	EXAMS	NOT	PERFORMED	AT PBAPS
E-G	76	76	50%	50%	Per CRR-07, exam satisfied with Cat. E-A, General Visual / VT-3
E-P	85	1	100%	100%	1 exam result of ILRT, credit to be taken for Appendix J Tests
F-A	192	40	20.8%	20.8%	45 or (23.4%) additional exams sched. 2nd. Outage of 1st. Period

**TABLE 2**

**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT  
REQUIRED EVALUATION FOR CONTINUED SERVICE**

**Their were no flaws or relevant conditions that required evaluation for continued service as a result of the items examined during the period November 2, 1998 to October 5, 2000.**



**TABLE 3**  
**ABSTRACT OF REPAIRS, REPLACEMENTS, OR CORRECTIVE**  
**MEASURES REQUIRED FOR CONTINUED SERVICE**

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 1, 1998 TO OCTOBER 5, 2000  
( END OF 2R13 REFUEL OUTAGE )**

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**ATTACHMENT 1A  
PAGE 7 OF 11**

**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	Replacement	RV-2-02-071A	Installed a rebuilt safety relief valve	No	09/26/2000	00-063, R0782758
Class 1	Replacement	RV-2-02-071B	Installed a rebuilt safety relief valve	No	09/26/2000	00-064, R0707129
Class 1	Replacement	RV-2-02-071E	Installed a rebuilt safety relief valve	No	09/26/2000	00-065, R0707117
Class 1	Replacement	RV-2-02-071F	Installed a rebuilt safety relief valve	No	09/26/2000	00-066, R0707122
Class 1	Replacement	RV-2-02-071G	Installed a rebuilt safety relief valve	No	09/26/2000	00-067, R0707466
Class 1	Replacement	RV-2-02-071H	Installed a rebuilt safety relief valve	No	09/26/2000	00-068, R0707102
Class 1	Replacement	RV-2-02-070B	Installed a rebuilt safety relief valve	No	09/26/2000	00-069, R0707124
Class 3	Replacement	1-GG-S-2	Installed new hydraulic snubber	No	09/24/2000	00-015, R0507538
Class 3	Replacement	1-GG-S-6	Installed new hydraulic snubber	No	09/24/2000	00-016, R0507537
Class 3	Replacement	1-GG-S-4	Installed new hydraulic snubber	No	09/24/2000	00-017, R0467877
Class 3	Replacement	1-GG-S-20	Installed new hydraulic snubber	No	09/21/2000	00-018, R0477405
Class 1	Replacement	SS-A-1	Installed new hydraulic snubber	No	09/24/2000	00-027, R0481800
Class 2	Replacement	7-DB-S-10	Installed new hydraulic snubber	No	09/25/2000	00-028, R0478031
Class 1	Replacement	HV-2-01A-83A	Installed new valve bonnet	No	10/06/2000	00-113, M1283826
Class 1	Replacement	HV-2-01A-84A	Installed new valve bonnet	No	10/06/2000	00-114, M1283827
Class 1	Replacement	HV-2-01A-84C	Installed new valve bonnet	No	10/06/2000	00-115, M1283709
Class 1	Replacement	HV-2-01A-83C	Installed new valve bonnet	No	10/06/2000	00-116, M1283708

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 1, 1998 TO OCTOBER 5, 2000  
( END OF 2R13 REFUEL OUTAGE )**

**ATTACHMENT 1A  
PAGE 8 OF 11**

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**SYSTEM 03: CONTROL ROD DRIVE**

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	CRD-2-03-2634	Installed new CRD flange tube on CRD	No	03/11/1999	98-172, C0185393
Class 1	Replacement	CRD-2-03-1295	Installed new CRD flange tube on CRD	No	11/09/2000	00-003, R0792638
Class 1	Replacement	CRD-2-03-1517	Installed new CRD flange tube on CRD	No	11/09/2000	00-003, R0792638
Class 1	Replacement	CRD's 14-43, 26-27, 26-35, 42-43, 46-35, 50-15, 50-47, 58-35, 30-15, 34-23, 26-43, 22-47, 22-15, and 46-23.	Exchanged CRD's with rebuilt CRD's during 2R13 outage Also installed 35 CRD bolts (incidental replacement)	No	09/29/2000	00-054, R0788362
Class 2	Replacement	AO-2-03-033	Installed new air operated valve and piping	No	09/29/2000	00-103, C0192800

**SYSTEM 06: FEEDWATER 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 2	Replacement	MO-2-06D-2163B	Replaced valve bonnet and seal welded leakoff plug.	No	09/18/2000	00-076, C0193081
Class 1	Replacement	6-DDNL-S-6	Installed new hydraulic snubber	No	09/24/2000	00-019, R0481887
Class 1	Replacement	6-DDNL-S-14	Installed new hydraulic snubber	No	09/24/2000	00-020, R0470776
Class 1	Replacement	CHK-2-06-96B	Welded in new seal plate on check valve	No	09/24/2000	00-110, C0195111

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 1, 1998 TO OCTOBER 5, 2000  
( END OF 2R13 REFUEL OUTAGE )**

ATTACHMENT 1A  
PAGE 9 OF 11

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**SYSTEM 07: PRIMARY CONTAINMENT**

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 Or Test	Date Complete	R&R Plan # and W/O #
M	Replacement	N-006	Installed new CRD Hatch bolting, rods, and studs	No	10/02/2000	00-053, R0781380
** M	Replacement	N-017	RHR Head Spray piping modification per ECR 98-03204	No	10/01/2000	00-104, C0193607
M	Replacement	N-110G	Replaced stud on RPV stabilizer assembly manhole	No	09/23/2000	00-109, C0195083
M	Repair	N-002	Seal weld stud to primary cont. equip. access hatch	No	09/30/2000	00-122, R0782035

**SYSTEM 10: RESIDUAL HEAT REMOVAL**

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 Or Test	Date Complete	R&R Plan # and W/O #
Class 2	Replacement	PB-2-10-M-HX-2BE024	Installation of modified split ring	No	03/11/1999	94-193, C0158530
Class 2	Replacement	10-GB-S-12	Installed new pressurized snubber	No	05/31/2000	00-083, C0193948
** Class 2	Repair	PB-2-10-M-HX-2BE024	Repaired cracked partition welds at hx waterbox inlet	No	06/23/2000	00-090, C0193919
Class 2	Replacement	10-GB-S-54	Installed new hydraulic snubber	No	09/27/2000	00-021, R0481888
Class 2	Replacement	10-GB-S-58	Installed new hydraulic snubber	No	09/19/2000	00-022, R0480328
Class 2	Replacement	10-HB-S-7	Installed new hydraulic snubber	No	09/19/2000	00-023, R0477872
Class 2	Replacement	10-GB-S-80	Installed new mechanical snubber	No	09/19/2000	00-035, C0192103
** Class 2	Replacement	MO-2-10-033	RHR Head Spray piping modification per ECR 98-03204	No	10/01/2000	00-104, C0193607

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 1, 1998 TO OCTOBER 5, 2000  
( END OF 2R13 REFUEL OUTAGE )**

ATTACHMENT 1A  
PAGE 10 OF 11

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**SYSTEM 12: REACTOR WATER CLEANUP 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 Or Test	Date Complete	R&R Plan # and W/O #
Class 1	Replacement	12-DCN-S-2	Installed new hydraulic snubber	No	09/27/2000	00-024, R0496718

**SYSTEM 13: REACTOR CORE ISOLATION COOLING 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 Or Test	Date Complete	R&R Plan # and W/O #
Class 2	Replacement	VRV-2-13C-139A,B,C,D	Installed new vacuum relief valves	No	01/11/1999	98-173, C0185372
Class 2	Replacement	PSD-2-13-003	Installed eight new all-thread studs on rupture disc	No	01/11/1999	99-001, C0182404
Class 2	Replacement	PSD-2-13-004	Installed eight new all-thread studs on rupture disc	No	01/11/1999	99-002, C0184832
** Class 2	Replacement	CHK-2-13C-38	Replaced check valve and associated piping	No	09/18/2000	00-078, C0192861

**SYSTEM 14: CORE SPRAY COOLING 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 Or Test	Date Complete	R&R Plan # and W/O #
** Class 2	Replacement	RV-2-14-020A	Installed new relief valve	No	07/26/1999	99-072, R0481251

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 1, 1998 TO OCTOBER 5, 2000  
( END OF 2R13 REFUEL OUTAGE )**

**ATTACHMENT 1A  
PAGE 11 OF 11**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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</u>	<u>Date</u>	<u>R&amp;R Plan # and W/O #</u>
				<u>Or Test</u>	<u>Complete</u>	
Class 2	Replacement	VRV-2-23C-4998B	Installed new vacuum relief valve	No	11/04/1999	99-139, C0191342
Class 2	Replacement	23-DBN-S-3	Installed new hydraulic snubber	No	09/18/2000	00-025, R0468349
Class 2	Replacement	23-HB-S-30	Installed new hydraulic snubber	No	09/20/2000	00-026, R0481889
Class 2	Replacement	23-DBN-S-2	Installed new hydraulic snubber	No	09/18/2000	00-049, R0468348
Class 2	Replacement	23-DBN-S-27	Installed new pressurized reservoir snubber	No	09/22/2000	00-111, C0195126

**SYSTEM 33: EMERGENCY SERVICE WATER 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</u>	<u>Date</u>	<u>R&amp;R Plan # and W/O #</u>
				<u>Or Test</u>	<u>Complete</u>	
3	Replacement	PB-2-33-0BP057	Installed new pump and seismic restraints	No	05/03/2000	00-001, C0191657

**Attachment 1B**

**Peach Bottom Atomic Power Station Unit 2**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 2R14**

**Third 10-Year ISI Interval, First Period**

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

Report Number: 2R14

Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348

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

Unit No.: 2 Commercial Service Date: July 5, 1974

Refueling Outage No.: 14

Current Inspection Interval: 3<sup>rd</sup>

Current Inspection Period: 1<sup>st</sup>

Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 Addenda

Date and Revision of Inspection Plan: June 28, 2002, Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period October 6, 2000 to November 2, 2002 conform to the requirements of Section XI.

Signed: Kenneth A. Hudson Date: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period October 6, 2000 to November 2, 2002 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009  
Inspector's Signature: [Signature]

Commissions: NB 7592 PA 2463 A, N, I  
National Board, State, Province & No.



TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Category Description	Total Examinations Required For The Interval	Total Examinations Credited For The 1st Period (2R13 & 2R14)	Total Examinations Credited (%) For The 1st Period (2R13 & 2R14)	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	RPV Pressure Retaining Welds	31	12	38.7	38.7	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	RPV Nozzles, Inner Radius	61	20	32.8	32.8	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	Partial Penetration Welds in Piping	62	0	0.0	0.0	B-E examinations completed during RPV Hydro performed in second period (P2R15).
B-G-1	Bolting > 2 inch	109	63	57.8	57.8	Code Case N-598 per approved Relief Request RR-33
B-G-2	Bolting ≤ 2 inch	108	38	35.2	35.2	Code Case N-598 per approved Relief Request RR-33
B-K	Integral Attachments (vessels, piping, pumps)	16	6	37.5	37.5	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	Internal Surfaces of Pump Casings	1	1	100.0	100.0	
B-M-2	Internal Surfaces of Valve Bodies	29	13	44.8	44.8	
B-N-1	Reactor Vessel Interior	3	1	33.3	33.3	
B-N-2	Core Support Structures and Interior Attachments	55	16	29.1	29.1	
B-P	All Pressure Retaining Components	6	2	33.3	33.3	
C-A	Welds in Pressure Vessels	2	0	0.0	0.0	Code Case N-598 per approved Relief Request RR-33
C-B	Nozzle Welds in Vessels	8	3	37.5	37.5	

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Category Description	Total Examinations Required For The Interval	Total Examinations Credited For The 1st Period (2R13 & 2R14)	Total Examinations Credited (%) For The 1st Period (2R13 & 2R14)	Total Examinations Credited (%) To Date for The Interval	Remarks
C-C	ASME Class 2 Integral Attachments to Piping	15	5	33.3	33.3	Code Case N-598 per approved Relief Request RR-33
C-H	All Class 2 Pressure Retaining Components	51	16	31.4	31.4	
D-A	ASME Class 3 Integral Attachments to Piping	25	0	0.0	0.0	Code Case N-598 per approved Relief Request RR-33
D-B	Class 3 ECCS, Ect. System Pressure Tests	9	3	33.3	33.3	
E-A	Surfaces	57	17	29.8	29.8	General Visual performed in refueling outage P2R13 as ILRT. Not required to count double credit for inspection of Drywell, Torus, or Vent System for both 10CFR50.55a period and ILRT requirements.
E-C	Augmented Exams (Pits, Wall Thickness)	3	0	0.0	0.0	Alternative examination program per approved Request for Alternative CRR-11
E-D		63	63	100.0	100.0	10CFR50 Appendix J examination of seals and gaskets per approved Request for Alternative CRR-01
E-G		76	76	100.0	100.0	10CFR50 Appendix J and Code Category E-A examination per approved Request for Alternative CRR-07
E-P		1	1	100.0	100.0	In accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	Supports	167	77	46.1	46.1	Code Case N-598 per approved Relief Request RR-33
R-A	Risk Informed Welds	135	40	29.6	29.6	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
B-A	B1.21	CH-C-1 Closure Head dollar Plate Weld	Twenty (20) recordable indications. Sizing of indications were acceptable.	Yes
B-A	B1.22	CH-MA Closure Head Meridional Weld at 0 Deg.	One (1) recordable indication. Sizing of indication was acceptable.	Yes
B-A	B1.22	CH-MB Closure Head Meridional Weld at 60 Deg.	Sixty-five (65) recordable indications. Sixteen evaluated as rejectable. Accepted by flaw evaluation (Ref. GENE-995-004-0902, Rev.1 and GENE-0000-0007-9747, Rev.0)	Yes
B-A	B1.22	CH-MC Closure Head Meridional Weld at 120 Deg.	Three (3) recordable indications. Sizing of indications were acceptable.	Yes
B-A	B1.22	CH-MD Closure Head Meridional Weld at 180 Deg.	Four (4) recordable indications. Sizing of indications were acceptable.	Yes
B-A	B1.22	CH-ME Closure Head Meridional Weld at 120 Deg.	Three (3) recordable indications. Sizing of indications were acceptable.	Yes
B-A	B1.22	CH-MF Closure Head Meridional Weld at 120 Deg.	Four (4) recordable indications. Sizing of indications were acceptable.	Yes
B-A	B1.22	RPV-MB Bottom Head Meridional Weld at 60 Deg.	Four (4) recordable indications. Two (2) indications evaluated as non relevant clad reflectors. Sizing of remaining two (2) indications were acceptable.	Yes
B-A	B1.22	RPV-ME Bottom Head Meridional Weld at 60 Deg.	Three (3) recordable indications. Sizing of indications were acceptable.	No IWB-2430 Additional Examination.
B-D	B3.90	N1A Main Recirculation Outlet Nozzle-to-Vessel Weld	One (1) recordable indication. Sizing of indication was acceptable.	Yes

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
B-N-2	B13.30	H-9 Core Shroud Support Plate Weld	Three (3) recordable indications. Sizing of indications were acceptable.	No Augmented UT Examination in accordance with BWVIP-38
C-C (N-509)	C3.20	14HB-H5(IA) Integral Attachment	One (1) linear (2.7") indication, rejectable. Indication removed, re-examination acceptable.	Yes
F-A (N-491-1)	F1.10	12DE-H33 Spring Hanger	Relevant Condition – Setting out of tolerance. Accepted by engineering evaluation.	Yes
F-A (N-491-1)	F1.20	1DB-H9B Rigid Restraint	Relevant Condition – Unacceptable thread engagement. Accepted by engineering evaluation.	Yes
F-A (N-491-1)	F1.20	10HB-S5 Rigid Restraint	Relevant Condition – Unacceptable thread engagement. Accepted by engineering evaluation.	No N-491-1, -2430 Additional Examination.
F-A (N-491-1)	F1.20	10GB-S56 Rigid Restraint	Relevant Condition – Loose wall plate studs. Repaired, re-examination acceptable.	Yes
N/A	N/A	14 inch High Pressure Service Water Piping	Minimum Wall Thickness Violations.	No

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 6, 2000 TO NOVEMBER 2, 2002  
( INCLUDES 2R14 REFUEL OUTAGE )**

ATTACHMENT 1B

PAGE 6 OF 9

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**SYSTEM 01: MAIN STEAM 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	RV-2-02-070A	Installed a rebuilt safety relief valve	No	9/20/2002	02-031, R0783804
Class 1	Replacement	RV-2-02-071A	Installed a rebuilt safety relief valve	No	9/20/2002	02-047, R0876672
Class 1	Replacement	RV-2-02-071C	Installed a rebuilt safety relief valve	No	9/20/2002	02-048, R0782754
Class 1	Replacement	RV-2-02-071D	Installed a rebuilt safety relief valve	No	9/20/2002	02-049, R0782757
Class 1	Replacement	RV-2-02-071J	Installed a rebuilt safety relief valve	No	9/20/2002	02-050, R0783627
Class 1	Replacement	RV-2-02-071K	Installed a rebuilt safety relief valve	No	9/20/2002	02-052, R0782756
Class 1	Replacement	RV-2-02-071L	Installed a rebuilt safety relief valve	No	9/20/2002	02-051, R0782755
Class 2	Replacement	7-DB-S-14	Installed new snubber	No	9/14/2002	00-030, R0477959
Class 1	Replacement	AO-2-01A-086A	Installed 20 new bonnet nuts	No	9/20/2002	02-011, C0200315
Class 3	Replacement	1-GG-S-27	Installed new snubber and rod eye	No	9/15/2002	02-076, R0467885
Class 3	Replacement	1-GG-S-103-B	Installed new snubber	No	9/15/2002	02-084, C0200967

**SYSTEM 02: REACTOR AND RECIRCULATION**

<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	PB-2-02A-2BP034	Installed new pump cover and internals	No	9/30/2002	02-125, C0194212

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 6, 2000 TO NOVEMBER 2, 2002  
( INCLUDES 2R14 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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 02-19, 02-31, 14-07, 34-11, 34-47, 34-51, 50-19, 50-23, 54-35	Exchanged CRD's with rebuilt CRD's during 2R14 outage	No	9/18/2002	02-028, R0851351

**SYSTEM 06: FEEDWATER 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	6-DDNL-S-7	Installed new snubber	No	9/17/2002	02-055, R0470771
Class 1	Replacement	CHK-2-06-96B	Installed two new bonnet studs	No	9/25/2002	02-151, C0202710

**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	RV-2-10-181D	Installed new RHR Hx. 2DE024 Shell Side relief valve	No	2/27/2001	00-059, R0601013
<b>**</b> Class 2	Repair	PB-2-10-M-HX-2CE024	Repaired cracked partition welds at hx waterbox inlet	No	1/18/2001	00-132, C0195473
Class 2	Replacement	RV-2-10-181C	Installed new RHR Hx. 2CE024 Shell Side relief valve	No	2/20/2001	01-006, R0707120
Class 2	Replacement	RV-2-10-181B	Installed new RHR Hx. 2BE024 Shell Side relief valve	No	2/26/2002	02-002, R0601014

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 6, 2000 TO NOVEMBER 2, 2002  
( INCLUDES 2R14 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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	PB-2-11-M-PP-2BP040	Installed a new fluid end to pump	No	1/2/2001	00-140, C0192156
Class 2	Replacement	RV-2-11-39A	Installed new relief valve	No	9/20/2002	02-016, R0849828
Class 2	Replacement	RV-2-11-39B	Installed new relief valve	No	9/20/2002	02-017, R0849827

**SYSTEM 12: REACTOR WATER CLEANUP 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	12-DCN-S-7	Installed new snubber, rod eye, and pipe clamp	No	9/25/2002	02-056, R0470780
Class 1	Replacement	12-DCN-S-8-A	Installed new snubber	No	9/14/2002	02-119, C0201425

**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	VRV-2-23C-4998B	Installed new vacuum relief valve.	No	3/15/2001	01-088, C0196924
Class 2	Replacement	VRV-2-23C-4998A	Installed new vacuum relief valve.	No	4/2/2002	01-089, C0196928
Class 2	Replacement	CHK-2-23B-62	Installed new hinge pin plugs	No	9/18/2002	02-014, R0781995
Class 2	Replacement	CHK-2-23C-65	Installed new check valve	No	10/3/2002	02-126, C0199297

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 6, 2000 TO NOVEMBER 2, 2002  
( INCLUDES 2R14 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	RV-2-32-180B	Installed new RHR Hx. 2BE024 Tube Side relief valve	No	2/26/2001	00-108, R0605930
Class 3	Replacement	RV-2-32-180D	Installed new RHR Hx. 2DE024 Tube Side relief valve	No	5/18/2001	01-110, R0640862

**SYSTEM 48: EMERGENCY COOLING WATER**

<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 3	Replacement	PB-2-48A-00P186	Install seismic restraint, Emergency Cooling Water Pump	No	11/29/2001	01-141, R0050429



**Attachment 2**

**Peach Bottom Atomic Power Station Unit 2**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 2R15**

**Third 10-Year ISI Interval, Second Period**

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

Report Number: 2R15Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348Plant: Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314Unit No.: 2 Commercial Service Date: July 5, 1974Refueling Outage No.: 15Current Inspection Interval: 3<sup>rd</sup>Current Inspection Period: 2<sup>nd</sup>Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 AddendaDate and Revision of Inspection Plan: September 7, 2004, Revision 1

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period November 3, 2002 to October 9, 2004 conform to the requirements of Section XI.

Signed: Kenneth A. HudsonDate: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period November 3, 2002 to October 9, 2004 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009Inspector's Signature: J. F. DormanCommissions: NB 7592, PA 2463 A.N.I.  
National Board, State, Province & No.

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 2nd Period (P2R15)	Total Examinations Credited (%) For The 2nd Period (P2R15)	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	31	8	25.8	64.5	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	61	12	19.7	52.5	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	62	62	100.0	100.0	B-E examinations completed during RPV Hydro performed in second period.
B-G-1	109	0	0.0	57.8	Code Case N-598 per approved Relief Request RR-33
B-G-2	108	28	25.9	61.1	Code Case N-598 per approved Relief Request RR-33
B-K	16	6	37.5	75.0	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	1	0	0.0	100.0	
B-M-2	29	11	37.9	82.8	
B-N-1	3	1	33.3	66.7	
B-N-2	55	13	23.6	52.7	
B-P	6	1	16.7	50.0	
C-A	2	0	0.0	0.0	Code Case N-598 per approved Relief Request RR-33
C-B	8	2	25.0	62.5	
C-C	15	4	26.7	60.0	Code Case N-598 per approved Relief Request RR-33
C-H	51	16	31.4	62.7	
D-A	25	7	28.0	28.0	Code Case N-598 per approved Relief Request RR-33
D-B	9	3	33.3	66.7	

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 2nd Period (P2R15)	Total Examinations Credited (%) For The 2nd Period (P2R15)	Total Examinations Credited (%) To Date for The Interval	Remarks
E-A	57	17	29.8	59.6	General Visual performed in P2R13 (1st Period) prior to ILRT. Not required to count double credit for inspection of Drywell, Torus, or Vent System for both 10CFR50.55a period and ILRT requirements.
E-C	3	2	66.7	66.7	Alternative examination program per approved Request for Alternative CRR-11
E-D	63	0	0.0	100.0	10CFR50 Appendix J examination of seals and gaskets in the 1st period per approved Request for Alternative CRR-01
E-G	76	0	0.0	100.0	10CFR50 Appendix J and Code Category E-A examination in the 1st period per approved Request for Alternative CRR-07
E-P	1	0	0.0	100.0	Examined in the 1st period In accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	167	41	24.6	70.7	Code Case N-598 per approved Relief Request RR-33
R-A	135	37	27.4	57.0	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
B-A	B1.22	CH-MB Closure Head Meridional Weld at 60 Deg.	Two (2) recordable indications. Accepted by flaw evaluation.	No IWB-2420 Successive Examination
B-D	B3.90	N1B Main Recirculation Outlet Nozzle-to-Vessel Weld	One (1) subsurface flaw indication on adjacent circumferential weld RPV-C1. Accepted by flaw evaluation.	Yes
C-C (N-509)	C3.20	10DDN-H91(IA) Integral Attachment	One (1) linear (2.85") indication, rejectable. Indication removed, re-examination acceptable.	Yes
C-C (N-509)	C3.20	14HB-H18(IA) Integral Attachment	One (1) linear (1.25") indication, rejectable. Indication removed, re-examination acceptable.	No N-509, 1.3 (IWC-2430) Additional Examination.
C-F-2	C5.21	23-O-43 Valve to Elbow Weld	ID geometric indication recorded in repair area. Sizing of indication was acceptable.	No Baseline Exam.
C-F-2	C5.21	23-O-44 Valve to Elbow Weld	Eleven (11) relevant indications. Sizing of indications were acceptable.	No Baseline Exam.
E-C	E4.11	Torus Wetted Pressure Boundary	Pitting was inspected and depths measured. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.30	48GB-S12 Rigid Restraint	Relevant Condition – Rust & cracked concrete noted during exam. Acceptable per Section XI.	Yes
F-A (N-491-1)	F1.30	48GB-S17 Rigid Restraint	Relevant Condition – Rust & cracked concrete noted during exam. Acceptable per Section XI.	Yes
F-A (N-491-1)	F1.30	48GB-S32 Rigid Restraint	Relevant Condition – Rust & cracked concrete noted during exam. Acceptable per Section XI.	Yes

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
F-A (N-491-1)	F1.30	48HB-S33 Rigid Restraint	Relevant Condition – Rust & cracked concrete noted during exam. Acceptable per Section XI.	Yes
R-A	R1.11	23-2TE20-16 Elbow to Pipe Weld	ID geometric indication recorded. Sizing of indication was acceptable.	No Baseline Exam.
R-A	R1.20	10-2DA20-6 Elbow to Pipe Weld	ID geometric indication recorded. Sizing of indication was acceptable.	No Baseline Exam.
N/A	N/A	High Pressure Service Water System 14 inch NOD carbon steel piping	Wall thickness measurements less than minimum wall.	No
N/A	N/A	High Pressure Service Water System 14x18x18 inch NOD carbon steel pipe tee.	Wall thickness measurements less than minimum wall.	No

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 3, 2002 TO OCTOBER 9, 2004  
( INCLUDES 2R15 REFUEL OUTAGE )**

ATTACHMENT 2

PAGE 6 OF 10

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**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	Replacement	HV-2-01A-83A & 84A	Installed new valves	No	9/22/2004	04-012, C0208124
	Class 1	Replacement	RV-2-02-071G	Installed a rebuilt safety relief valve	No	10/4/2004	04-045, R0876673
	Class 1	Replacement	RV-2-02-071E	Installed a rebuilt safety relief valve	No	10/4/2004	04-046, R0851874
	Class 1	Replacement	RV-2-02-071H	Installed a rebuilt safety relief valve	No	10/4/2004	04-047, R0852188
	Class 1	Replacement	RV-2-02-071B	Installed a rebuilt safety relief valve	No	10/4/2004	04-048, R0850766
	Class 1	Replacement	RV-2-02-071F	Installed a rebuilt safety relief valve	No	10/4/2004	04-049, R0851812
	Class 1	Replacement	RV-2-02-070B	Installed a rebuilt safety relief valve	No	10/4/2004	04-050, R0851537
	Class 2	Replacement	1DB-H170	Relocated spring hanger support	No	9/23/2004	04-156, C0210216
	Class 1	Replacement	MO-2-01A-077	Installed helicoil for a stripped pressure seal bonnet stud	No	9/22/2004	04-160, R0487872
	Class 1	Replacement	RV-2-02-071F	Installed a rebuilt safety relief valve	No	10/4/2004	04-161, R0851812

**SYSTEM 02: REACTOR AND RECIRCULATION**

	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	HV-2-02-15, HV-2-02-16	Installed new valves	No	10/8/2004	04-152, R0922216

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 3, 2002 TO OCTOBER 9, 2004  
( INCLUDES 2R15 REFUEL OUTAGE )**

ATTACHMENT 2

PAGE 7 OF 10

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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 06-27, 10-27, 10-47, 14-15, 14-51, 18-03, 18-39, 18-51, 22-51, 26-55, 30-07, 38-59, 42-03, 42-55, 46-43, 54-15, 54-31, 54-39, 54-43	Exchanged CRD's with rebuilt CRD's	No	10/8/2004	04-080, R0935052
** Class 1	Replacement	cleanout pipe caps	Remove/install pipe caps to flush scram disch. Header	No	9/22/2004	04-094, C0209098

**SYSTEM 06: FEEDWATER 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	CHK-2-06-96B	Installed new bonnet modification	No	10/4/2004	04-039, C0208272

**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	MO-2-10-026B	Installed branch connection over hole for FME retrieval	No	10/6/2004	04-169, C0211427



TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 3, 2002 TO OCTOBER 9, 2004  
( INCLUDES 2R15 REFUEL OUTAGE )**

ATTACHMENT 2

PAGE 8 OF 10

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**SYSTEM 12: REACTOR WATER CLEANUP 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	MO-2-12-068	Installed new valve	No	10/8/2004	04-077, R0612166

**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 2	Replacement	RV-2-14-020B	Installed new relief valve	No	9/26/2004	02-013, R0735131

**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	MO-2-23-014	Installed new valve	No	10/1/2004	02-093, R0786125
Class 1	Repair	MO-2-23-016	Performed weld overlay on pressure seal bonnet	No	12/19/2002	02-211, C0203523
Class 2	Replacement	MO-2-23-015	Installed 8 new pressure seal studs and nuts	No	9/23/2004	03-058, C0204882
** Class 2	Replacement	RV-2-23B-034	Installed new relief valve	No	5/12/2004	04-092, R0781699
Class 2	Replacement	2-23MO-H47	Replaced spring can all thread rod	No	5/12/2004	04-108, C0209683
** Class 2	Replacement	AO-2-23-137	Removed & reinstalled piping to perform boroscope insp.	No	9/30/2004	04-151, C0211189

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 3, 2002 TO OCTOBER 9, 2004  
( INCLUDES 2R15 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	RV-2-32-180C	Installed new RHR Hx. 2CE024 Tube Side relief valve	No	12/3/2003	00-002, R0752895
Class 3	Replacement	PB-2-32-2DP042	Installed new pump and pump bowls	No	1/13/2003	02-163, C0202851
<b>**</b> Class 3	Replacement	PB-2-32-RO-2789B/D	Replaced piping between RO-2789B to RO-2789D	No	1/7/2003	02-170, C0202662
Class 3	Replacement	RV-2-32-180A	Installed new RHR Hx. 2AE024 Tube Side relief valve	No	1/12/2004	03-107, R0752896
Class 3	Replacement	RV-2-32-180B	Installed new RHR Hx. 2BE024 Tube Side RV bolting nuts	No	5/27/2004	04-109, C0209424
<b>**</b> Class 3	Replacement	PB-2-32-RO-2789C	Installed new outlet restricting orifice & associated piping	No	9/20/2004	04-147, C0209471

**SYSTEM 52: DIESEL GENERATOR**

<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 3	Replacement	XJ-70133D	Installed two new studs for thread engagement issue	No	6/23/2004	04-127, R0904428

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
NOVEMBER 3, 2002 TO OCTOBER 9, 2004  
( INCLUDES 2R15 REFUEL OUTAGE )**

ATTACHMENT 2

PAGE 10 OF 10

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**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	7-DB-S-11	Installed new snubber, rod eye, and extension piece	No	10/2/2004	00-029, R0707171
Class 1	Replacement	SS-C-6	Installed new snubber, rod eye paddle, & extension piece	No	9/23/2004	04-052, C0208085
Class 1	Replacement	10-GB-S-50	Installed new pipe end load pin	No	9/24/2004	04-061, C0208067
Class 1	Replacement	1-GG-S-24	Installed new snubber and rod eye extension piece	No	9/20/2004	04-085, R0705716
Class 1	Replacement	7-DB-S-13	Installed new snubber	No	9/21/2004	04-093, R0706728
Class 2	Replacement	7-DB-S-15	Installed new snubber	No	9/24/2004	04-153, C0211249
Class 2	Replacement	23-DBN-S-29	Installed new snubber	No	9/27/2004	04-159, C0211296
Class 3	Replacement	1-GG-S-83	Installed new pipe clamp fasteners	No	9/25/2004	04-164, C0211349
Class 3	Replacement	1-GG-S-1	Installed new pipe clamp fasteners	No	9/25/2004	04-165, C0211358
Class 3	Replacement	1-GG-S-78	Installed new pipe clamp fasteners	No	9/26/2004	04-166, C0211368
Class 3	Replacement	1-GG-S-80	Installed new pipe clamp fasteners	No	9/26/2004	04-167, C0211369

**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	1-GG-S-203-A	Installed new snubber	No	9/20/2004	04-054, C0208087
Class 1	Replacement	1-GG-S-206-B	Installed new snubber	No	9/20/2004	04-056, C0208089

**Attachment 3A**

**Peach Bottom Atomic Power Station Unit 2**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 2R16**

**Third 10-Year ISI Interval, Third Period**

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

Report Number: 2R16Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348Plant: Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314Unit No.: 2 Commercial Service Date: July 5, 1974Refueling Outage No.: 16Current Inspection Interval: 3<sup>rd</sup>Current Inspection Period: 3<sup>rd</sup>Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 & 1992 Editions, 1992 AddendaDate and Revision of Inspection Plan: February 21, 2006, Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period October 10, 2004 to October 4, 2006 conform to the requirements of Section XI.

Signed: Kenneth A. HudsonDate: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period October 10, 2004 to October 4, 2006 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009Inspector's Signature: J. E. RumanCommissions: NB 7592 PA 2163 A, N, I  
National Board, State, Province & No.

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Category Description	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period (P2R16)	Total Examinations Credited (%) For The 3rd Period (P2R16)	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	RPV Pressure Retaining Welds	31	0	0.0	64.5	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	RPV Nozzles, Inner Radius	61	18	29.5	82.0	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	Partial Penetration Welds in Piping	62	0	0.0	100.0	B-E examinations completed during RPV Hydro performed in second period.
B-G-1	Bolting > 2 inch	109	46	42.2	100.0	Code Case N-598 per approved Relief Request RR-33
B-G-2	Bolting ≤ 2 inch	108	23	21.3	82.4	Code Case N-598 per approved Relief Request RR-33
B-K	Integral Attachments (vessels, piping, pumps)	16	4	25.0	100.0	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	Internal Surfaces of Pump Casings	1	0	0.0	100.0	
B-M-2	Internal Surfaces of Valve Bodies	29	5	17.2	100.0	
B-N-1	Reactor Vessel Interior	3	0	0.0	66.7	
B-N-2	Core Support Structures and Interior Attachments	55	14	25.5	78.2	
B-P	All Pressure Retaining Components	6	2	33.3	83.3	
C-A	Welds in Pressure Vessels	2	1	50.0	50.0	Code Case N-598 per approved Relief Request RR-33

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Category Description	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period (P2R16)	Total Examinations Credited (%) For The 3rd Period (P2R16)	Total Examinations Credited (%) To Date for The Interval	Remarks
C-B	Nozzle Welds in Vessels	8	3	37.5	100.0	
C-C	ASME Class 2 Integral Attachments to Piping	15	5	33.3	93.3	Code Case N-598 per approved Relief Request RR-33
C-H	All Class 2 Pressure Retaining Components	51	14	27.5	90.2	
D-A	ASME Class 3 Integral Attachments to Piping	25	9	36.0	64.0	Code Case N-598 per approved Relief Request RR-33
D-B	Class 3 ECCS, Ect. System Pressure Tests	9	1	11.1	77.8	
E-A	Surfaces	57	3	5.3	64.9	General Visual performed in P2R13 (1st Period) prior to ILRT. Not required to count double credit for inspection of Drywell, Torus, or Vent System for both 10CFR50.55a period and ILRT requirements.
E-C	Augmented Exams (Pits, Wall Thickness)	3	1	33.3	100.0	Alternative examination program per approved Request for Alternative CRR-11
E-D		63	0	0.0	100.0	10CFR50 Appendix J examination of seals and gaskets in the 1st period per approved Request for Alternative CRR-01
E-G		76	0	0.0	100.0	10CFR50 Appendix J and Code Category E-A examination in the 1st period per approved Request for Alternative CRR-07
E-P		1	0	0.0	100.0	Examined in the 1st period in accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	Supports	167	47	28.1	98.8	Code Case N-598 per approved Relief Request RR-33
R-A	Risk Informed Welds	135	26	19.3	76.3	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F 2.

TABLE 2

## ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)
F-A (N-491-1)	F1.20	14GB-H40 Spring Hanger	Relevant Condition – Loose spacer and bent clamp. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.40	RHRHX-A-LS Heat Exchanger Lower Support	Relevant Condition – Missing bolts, wrong size bolts, gap in plate. Repaired and the re-examination was acceptable.	Yes
F-A (N-491-1)	F1.20	Spring Hanger 23-HB-H—35	Concrete is missing from around one of the four bolts.	Yes
N/A	N/A	6-inch Carbon Steel Emergency Service Water Pipe	Pin-hole leak.	No
N/A	N/A	HPCI Turbine Steam Supply Valve MO-2-23-014, ASME Class 2	Small steam leak on valve leak-off plug.	No



TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 10, 2004 TO OCTOBER 4, 2006  
( INCLUDES 2R16 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**SYSTEM 01: MAIN STEAM 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	RV-2-02-071D	Installed a rebuilt safety relief valve	No	2/4/2005	04-175, C0211903
Class 1	Replacement	AO-2-01A-086C	Installed 5 new studs and nuts as incidental replacement	No	10/2/2006	04-136, R0968832
Class 1	Replacement	AO-2-01A-080C	Installed new studs and nuts as incidental replacement	No	9/30/2006	06-101, R0978348
Class 1	Replacement	RV-2-02-071A	Installed a rebuilt safety relief valve	No	9/26/2006	06-118, R0955420
Class 1	Replacement	RV-2-02-071C	Installed a rebuilt safety relief valve	No	9/26/2006	06-119, R0924536
Class 1	Replacement	RV-2-02-071D	Installed a rebuilt safety relief valve	No	9/26/2006	06-120, R0918419
Class 1	Replacement	RV-2-02-071J	Installed a rebuilt safety relief valve	No	9/27/2006	06-121, R0931486
Class 1	Replacement	RV-2-02-071K	Installed a rebuilt safety relief valve	No	9/27/2006	06-122, R0936216
Class 1	Replacement	RV-2-02-071L	Installed a rebuilt safety relief valve	No	9/27/2006	06-123, R0924578
Class 1	Replacement	RV-2-02-070B	Installed a rebuilt safety relief valve	No	9/26/2006	06-124, R0917366

**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 02-27, 06-35, 06-47, 18-11, 22-11, 22-31, 22-55, 22-59, 26-03, 26-59, 30-31, 34-19, 34-23, 34-39, 38-31, 38-47, 38-51, 46-11, 50-31	Exchanged CRD's with rebuilt CRD's	No	9/25/2006	06-046, R0983803
<b>**</b> Class 1	Replacement	SVD cleanout pipe caps	Install pipe caps/connections on scram disch. header	No	9/27/2006	06-126, C0216745

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 10, 2004 TO OCTOBER 4, 2006  
( INCLUDES 2R16 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	RV-2-10-181A	Installed new RHR Hx. 2AE024 Shell Side relief valve	No	2/20/2006	06-001, R0795544
<b>**</b> Class 3	Replacement	MO-2-10-089C	Installed new RHR Hx 2CE024 HPSW Outlet Valve	No	9/20/2006	06-134, C0216868
Class 3	Replacement	PB-2-10-2AE024	Replaced lower heat exchanger support bolting	Yes	9/22/2006	06-186, C0216303
Class 2	Replacement	PB-2-10-2DP035	Installed new pump rotating assembly	No	10/2/2006	06-190, C0218990

**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-2-11-39A	Installed new relief valve	No	9/23/2006	06-132, R0988018
Class 2	Replacement	RV-2-11-39B	Installed new relief valve	No	9/23/2006	06-133, R0981054
Class 2	Replacement	RV-2-11-39A	Installed new relief valve	No	9/29/2006	06-192, R0988018

**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 2	Replacement	RO-2-14-037D	Installed new studs/nuts due to thread engagement issue	No	8/9/2005	05-116, C0213871
Class 2	Replacement	RV-2-14-020A	Installed new relief valve	No	8/2/2006	06-150, R0813398

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 10, 2004 TO OCTOBER 4, 2006  
( INCLUDES 2R16 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	Repair	MO-2-23-014	Repaired seal weld on threaded bonnet leakoff plug	No	4/26/2005	05-107, C0213614

**SYSTEM 33: EMERGENCY SERVICE WATER**

<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 3	Replacement	XJ-70133C	Installed 8 new bolts due to thread engagement issue	No	2/15/2005	04-177, R0932884
Class 3	Replacement	AO-2-33-2335G	Installed 6 new studs/nuts due to thread engagement issue	No	4/19/2005	05-003, C0212167
<b>**</b> Class 3	Replacement	HV-2-33-517	Installed new valve	No	9/30/2006	04-086, C0208469
Class 3	Repair	CHK-0-33-515A	Weld build up disc arm and valve body stop location	No	6/13/2005	04-174, R0812619
<b>**</b> Class 3	Replacement	RTV-0-33-244B	Replaced degraded piping downstream of RTV-0-33-244B	No	5/10/2006	05-147, C0215848

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 10, 2004 TO OCTOBER 4, 2006  
( INCLUDES 2R16 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	13-DBN-S-15	Installed new snubber	No	9/19/2006	06-014, C0216161
Class 2	Replacement	23-DBN-S-1	Installed new snubber	No	9/19/2006	06-016, C0216163
Class 1	Replacement	SS-B-6	Installed new snubber	No	9/27/2006	06-017, C0216165
Class 2	Replacement	1-DB-S-15-A	Installed new snubber	No	9/29/2006	06-084, R0780512
Class 2	Replacement	1-DB-S-25-A	Installed new snubber	No	9/29/2006	06-085, R0780902
Class 2	Replacement	1-DB-S-2-A	Installed new snubber	No	9/29/2006	06-086, R0780903
Class 2	Replacement	1-DB-S-38-A	Installed new snubber	No	9/29/2006	06-087, R0780974

**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 2	Replacement	14-MO-S-26	Installed new snubber	No	9/28/2006	06-021, C0216175

**Attachment 3B**

**Peach Bottom Atomic Power Station Unit 2**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 2R17**

**Third 10-Year ISI Interval, Third Period**

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

Report Number: 2R17Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348Plant: Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314Unit No.: 2 Commercial Service Date: July 5, 1974Refueling Outage No.: 17Current Inspection Interval: 3<sup>rd</sup>Current Inspection Period: 3<sup>rd</sup>Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 AddendaDate and Revision of Inspection Plan: September 16, 2008, Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period October 5, 2006 to November 4, 2008 conform to the requirements of Section XI.

Signed: Kenneth A. HudsonDate: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period October 5, 2006 to November 4, 2008 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009Inspector's Signature: J. FerlmanCommissions: NB 7592, PA 2163 A, N, I

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period (P2R16 & P2R17)	Total Examinations Credited (%) For The 3rd Period (P2R16 & P2R17)	Total Examinations Credited (%) To Date for The Interval	Remarks
B-A	31	11	35.5	100.0	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	61	29	47.5	100.0	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	62	0	0.0	100.0	B-E examinations completed during RPV Hydro performed in second period.
B-G-1	109	46	42.2	100.0	Code Case N-598 per approved Relief Request RR-33
B-G-2	108	42	38.9	100.0	Code Case N-598 per approved Relief Request RR-33
B-K	16	7	43.8	118.8	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	1	0	0.0	100.0	
B-M-2	29	5	17.2	100.0	
B-N-1	3	1	33.3	100.0	
B-N-2	55	26	47.3	100.0	
B-P	6	3	50.0	100.0	
C-A	2	2	100.0	100.0	Code Case N-598 per approved Relief Request RR-33
C-B	8	3	37.5	100.0	
C-C	15	9	60.0	120.0	Code Case N-598 per approved Relief Request RR-33

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period (P2R16 & P2R17)	Total Examinations Credited (%) For The 3rd Period (P2R16 & P2R17)	Total Examinations Credited (%) To Date for The Interval	Remarks
C-H	51	19	37.3	100.0	
D-A	25	18	72.0	100.0	Code Case N-598 per approved Relief Request RR-33
D-B	9	3	33.3	100.0	
E-A	57	23	40.4	100.0	General Visual performed in P2R13 (1st Period) prior to ILRT. Not required to count double credit for inspection of Drywell, Torus, or Vent System for both 10CFR50.55a period and ILRT requirements.
E-C	3	1	33.3	100.0	Alternative examination program per approved Request for Alternative CRR-11
E-D	63	0	0.0	100.0	10CFR50 Appendix J examination of seals and gaskets in the 1st period per approved Request for Alternative CRR-01
E-G	76	0	0.0	100.0	10CFR50 Appendix J and Code Category E-A examination in the 1st period per approved Request for Alternative CRR-07
E-P	1	0	0.0	100.0	Examined in the 1st period In accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	167	75	44.9	115.6	Code Case N-598 per approved Relief Request RR-33
R-A	135	58	43.0	100.0	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.



**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
B-A	B1.22	RPV Top Head Meridional Weld CH-MB	Identified 17 previously recorded unacceptable indications. Results deemed acceptable per GE Report	Yes
C-C	C3.20	10DDN-H92 (IA) Pipe Lugs	Relevant Condition – lugs are not same size as required by drawing. Accepted by Engineering Evaluation.	Yes
D-A	D1.20	33HB-H-148(IA) Integral Attachment	Relevant Condition – missing cotter pin. Repaired, re-examination acceptable.	Yes
E-A	E1.12	Drywell N-1 Equipment Hatch	Relevant Condition – missing cotter pin on swing bolt at 8 o'clock position. Repaired, re-examination acceptable.	Yes
E-C	E4.11	Torus Wetted Pressure Boundary	Relevant Condition – Pitting was inspected and depths measured. Accepted by Engineering Evaluation.	Yes
E-D	E5.30	2-MBAR-INT Moisture Barrier	Relevant Condition – piece of moisture barrier coating torn loose at azimuth 240. Repaired, re-examination acceptable.	No (Found during another scheduled IWE exam)
E-D	E5.30	2-MBAR-INT Moisture Barrier	Relevant Condition – coating is peeling from 050-090 Azimuth. Repaired, re-examination acceptable.	Yes
F-A (N-491-1)	F1.20	10DDN-H92 Spring Hanger	Relevant Condition – two loose bolts. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.20	M-1747-S-7 Rigid Restraint	Relevant Condition – inadequate clearances. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.30	32GB-H28 Spring Hanger	Relevant Condition – Load indicator is missing on the North Spring Can. As-found load was acceptable.	Yes

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
F-A (N-491-1)	F1.30	1GG-H711 Guide	Relevant Condition – distance between pipe and support is less than required. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.30	1GG-S35 Snubber	Relevant Condition – jam nut loose. Repaired, re-examination acceptable.	Yes
R-A	R1.11	Core Spray System Pipe to Safe-End Weld 14-A-43	1 Acceptable, previously identified, ID Geometry.	Yes
R-A	R1.11	High Pressure Coolant Injection System elbow to pipe weld 23-2TE20-11.	2 Acceptable ID Root Geometries.	Yes
R-A	R1.20	Residual Heat Removal System elbow to pipe weld 10-2DA20-4	2 Acceptable Backing Ring ID Geometries.	Yes
R-A	R1.20	Residual Heat Removal System elbow to pipe weld 10-2DA20-7	2 Acceptable Backing Ring ID Geometries.	Yes
R-A	R1.20	Residual Heat Removal System pipe to elbow weld 10-2XBO20-3	1 Acceptable Backing Ring ID Geometry.	Yes
N/A	N/A	6-inch Emergency Service Water Piping	Pin-hole leak	No
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-32GB-S58, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-32GB-H43, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-32GB-S59, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-32GB-H27, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-33HB-S63, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No
F-A (N-491-1)	F1.30	High Pressure Service Water Rigid Restraint 2-33HB-S64, ASME Class 3	Not carrying the design load due to gaps. Restraint was shimmed and repaired.	No
N/A	N/A	6-inch Emergency Service Water Piping, ASME Class 3, ASME Class 3	Pin-hole Leak.	No
N/A	N/A	High Pressure Service Water Check Valve CHK-2-32-502C, ASME Class 3	Pin-hole Leak.	No
N/A	N/A	6-inch Emergency Service Water Piping, ASME Class 3, ASME Class 3	Pin-hole Leak.	No
N/A	N/A	Emergency Service Water Hand Valve HV-0-33-504D	Pin-Hole Leak.	No
N/A	N/A	6-inch Emergency Service Water Piping, ASME Class 3, ASME Class 3	Pin-hole Leak.	No
N/A	N/A	6-inch Emergency Service Water Piping, ASME Class 3, ASME Class 3	Pin-hole Leak.	No

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
N/A	N/A	6-inch Emergency Service Water Piping, ASME Class 3, ASME Class 3	Pin-hole Leak.	No
N/A	N/A	Emergency Service Water Hand Valve HV-0-33-504C	Minimum Wall Thickness Violation	No

**TABLE 3**  
**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES**  
**FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2**  
**OCTOBER 5, 2006 TO NOVEMBER 4, 2008**  
**( END OF 10 YEAR INTERVAL INCLUDES 2R17 REFUEL OUTAGE )**

ATTACHMENT 3B

PAGE 8 OF 11

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**SYSTEM 01: MAIN STEAM 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	AO-2-01A-080C	Installed 5 new nuts and welded new stellite inbody seat	No	10/2/2008	07-127, R1056916
Class 1	Replacement	RV-2-02-071B	Installed a rebuilt safety relief valve	No	9/24/2008	08-024, R0985094
Class 1	Replacement	RV-2-02-071E	Installed a rebuilt safety relief valve	No	9/24/2008	08-025, R0985084
Class 1	Replacement	RV-2-02-071F	Installed a rebuilt safety relief valve	No	9/24/2008	08-026, R0985095
Class 1	Replacement	RV-2-02-071G	Installed a rebuilt safety relief valve	No	9/24/2008	08-027, R0985093
Class 1	Replacement	RV-2-02-071H	Installed a rebuilt safety relief valve	No	9/24/2008	08-028, R0985091
Class 1	Replacement	RV-2-02-070B	Installed a rebuilt safety relief valve	No	9/25/2008	08-029, R0988101
Class 1	Replacement	RV-2-02-071D	Installed a rebuilt safety relief valve	No	9/25/2008	08-130, R1051573

**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 02-43, 06-43, 10-19, 22-31, 22-59, 26-59, 30-03, 30-27, 30-31, 30-39, 30-55, 34-03, 34-07, 34-39, 38-31, 42-59, 46-55, 54-19	Exchanged CRD's with rebuilt CRD's	No	9/23/2008	07-135, R1055889
Class 1	Repair	CV-2-03A-13127BQ	Weld repaired indications in valve tail piece section	No	9/26/2008	08-138, R1086467

TABLE 3

ATTACHMENT 3B

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 5, 2006 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL INCLUDES 2R17 REFUEL OUTAGE )**

PAGE 9 OF 11

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**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	RV-2-10-181C	Installed new RHR Hx. 2CE024 Shell Side relief valve	No	2/20/2007	06-209, R0863938
Class 2	Replacement	PB-2-M-HX-2CE024	New 2CE024 Hx Upper Head Channel Cover Studs/Nuts	No	2/20/2007	06-211, C0219541
Class 2	Replacement	RV-2-10-181D	Installed new RHR Hx. 2DE024 Shell Side relief valve	No	1/28/2008	07-035, R0864255
Class 2	Replacement	PB-2-10-2DE024	Installed new RHR Hx. 2DE024 Floating Head	No	2/1/2008	07-108, C0221745
Class 2	Replacement	RV-2-10-181B	Installed new RHR Hx. 2BE024 Shell Side relief valve	No	4/14/2008	08-002, R0900643
Class 1	Replacement	AO-2-10-046A	RHR Loop "A" Check Valve, new weld plugment	No	9/30/2008	08-084, C0223978
** Class 3	Replacement	MO-2-10-089A	Installed new RHR Hx 2AE024 HPSW Outlet Valve	No	7/11/2008	08-095, C0212558

**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-2-11-39B	Installed new relief valve	No	12/13/2006	06-212, C0219567
Class 2	Replacement	RV-2-11-39A	Installed new relief valve	No	12/14/2006	06-213, C0219573
Class 2	Replacement	RV-2-11-39A	Installed new relief valve	No	9/22/2008	07-105, R1047769
Class 2	Replacement	RV-2-11-39B	Installed new relief valve	No	9/22/2008	07-106, R1047770

TABLE 3

ATTACHMENT 3B

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 5, 2006 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL INCLUDES 2R17 REFUEL OUTAGE )**

PAGE 10 OF 11

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	VRV-2-23C-140A	Installed new vacuum relief valve.	No	9/20/2008	02-007, R0783924
Class 2	Replacement	VRV-2-23C-140B	Installed new vacuum relief valve.	No	9/20/2008	02-007, R0783924
Class 2	Replacement	VRV-2-23C-140C	Installed new vacuum relief valve.	No	9/20/2008	02-007, R0783924
Class 2	Replacement	VRV-2-23C-140D	Installed new vacuum relief valve.	No	9/20/2008	02-007, R0783924
** Class M	Replacement	MO-2-23-031	Replaced leak between MO-2-23-031 and nozzle N-233	No	11/16/2006	06-200, C0219131
Class 2	Replacement	MO-2-23-014	Installed new valve yoke studs	No	9/23/2008	08-030, R1029543

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	RV-2-32-180D	Installed new RHR Hx. 2DE024 Tube Side Relief Valve	No	1/29/2008	07-033, R0881264
Class 3	Replacement	RV-2-32-180B	Installed new RHR Hx. 2BE024 Tube Side Relief Valve	No	4/14/2008	08-003, R0862930
Class 3	Replacement	32GB-S59, 32GB-H27	Install shims on 32GB-S59 & H27 HPSW rigid restraint	No	7/2/2008	08-096, C0224873
Class 3	Replacement	32GB-S58, 32GB-H43	Install shims on 32GB-S58 & H43 HPSW rigid restraint	No	7/1/2008	08-097, C0224811
Class 3	Replacement	2-32GB-S60	Re-install I-beam/shims on 32GB-S60 HPSW rigid restrain	No	7/11/2008	08-122, C0212558

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 2  
OCTOBER 5, 2006 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL INCLUDES 2R17 REFUEL OUTAGE )**

ATTACHMENT 3B

PAGE 11 OF 11

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**SYSTEM 33: EMERGENCY SERVICE WATER**

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 Complete	R&R Plan # and W/O #
				Or Test		
** Class 3	Replacement	HV-0-33-510, HV-0-33-11431A	Installed 16" pipe spool & 2" pipe/valve hot tap connection	No	1/23/2008	07-088, C0220220
** Class 3	Replacement	HV-0-33-504D	Replaced leak in 6" pipe downstream of HV-0-33-504D	No	7/22/2008	08-123, C0225717
** Class 3	Replacement	HV-0-33-504A	Replaced leak in 6" pipe downstream of HV-0-33-504A	No	8/1/2008	08-124, C0225613
** Class 3	Replacement	HV-0-33-504C	Replaced low wall in 6" pipe downstream of HV-0-33-504C	No	8/27/2008	08-125, C0225784

**SYSTEM 65A: HYDRAULIC SNUBBERS**

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 Complete	R&R Plan # and W/O #
				Or Test		
Class 1	Replacement	SS-3-D	Installed new hydraulic snubber load pins	No	10/1/2008	08-076, C0224178
Class 1	Replacement	12-DCN-S-5	Installed new hydraulic snubber	No	9/25/2008	08-136, C0226356

**SYSTEM 65B: MECHANICAL SNUBBERS**

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 Complete	R&R Plan # and W/O #
				Or Test		
Class 2	Replacement	10-GB-S-75	Installed new mechanical snubber	No	9/26/2008	08-038, C0223573
Class 2	Replacement	1-GG-S-101-B	Installed new mechanical snubber	No	9/20/2008	08-047, C0223839
Class 2	Replacement	1-GG-S-102-A	Installed new mechanical snubber	No	9/21/2008	08-050, C0223842



**Attachment 4**

**Peach Bottom Atomic Power Station Unit 3**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 3R14**

**Third 10-Year ISI Interval, Second Period**

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

Report Number: 3R14

Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348

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

Unit No.: 3 Commercial Service Date: December 23, 1974

Refueling Outage No.: 14

Current Inspection Interval: 3<sup>rd</sup>

Current Inspection Period: 2<sup>nd</sup>

Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 Addenda

Date and Revision of Inspection Plan: December 20, 2002, Revision 0

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period January 1, 2002 to October 12, 2003 conform to the requirements of Section XI.

Signed: Kenneth R. Hudson

Date: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period January 1, 2002 to October 12, 2003 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009

Inspector's Signature: [Signature]

Commissions: NB7592 PA 2163 A, N, T  
National Board, State, Province & No.

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 2nd Period (3R14)	Total Examinations Credited (%) For The 2nd Period (3R14)	Total Examinations Credited (%) thru 2nd Period of The Interval	Remarks
B-A	31	9.0	29.0	67.7	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	61	19.0	31.1	70.5	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	62	62.0	100.0	100.0	B-E examinations completed during RPV Hydro performed in second period.
B-G-1	109	17.0	15.6	57.8	Code Case N-598 per approved Relief Request RR-33
B-G-2	116	24.0	20.7	57.8	Code Case N-598 per approved Relief Request RR-33
B-K	18	6.0	33.3	66.7	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	2	1.0	50.0	50.0	
B-M-2	11	3.0	27.3	45.5	
B-N-1	3	1.0	33.3	66.7	
B-N-2	49	12.0	24.5	59.2	
B-P	6	1.0	16.7	50.0	
C-A	2	0.0	0.0	50.0	Code Case N-598 per approved Relief Request RR-33
C-B	8	0.0	0.0	12.5	
C-C	17	5.0	29.4	64.7	Code Case N-598 per approved Relief Request RR-33
C-H	51	15.0	29.4	60.8	RPV flange leakoff drain piping test not completed for 2nd period.
D-A	18	0.0	0.0	0.0	Code Case N-598 per approved Relief Request RR-33
D-B	3	1.0	33.3	66.7	

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 2nd Period (3R14)	Total Examinations Credited (%) For The 2nd Period (3R14)	Total Examinations Credited (%) thru 2nd Period of The Interval	Remarks
E-A	68	17.0	25.0	50.0	An additional GV of Containment was performed in this interval for the ILRT requirements
E-C	3	2.0	66.7	66.7	Alternative examination program per approved Request for Alternative CRR-11
E-D	63	0.0	0.0	0.0	
E-G	76	0.0	0.0	0.0	
E-P	1	0.0	0.0	0.0	
F-A	158	39.0	24.7	66.5	Code Case N-598 per approved Relief Request RR-33
R-A	139	24.0	17.3	63.3	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
E-C	E4.11	Torus Wetted Pressure Boundary	Relevant Condition – Pitting was inspected and depths measured. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.10	12DCN-H150 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	10DDN-H66A Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	10GB-S56 Rigid Restraint	Relevant Condition – 5 loose bolts on both anchor plates. Unacceptable, reworked, expanded sample.	Yes
F-A (N-491-1)	F1.20	1DB-H32 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	1DB-H34 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	1DB-H43 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	1DB-H44 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	1DB-H46 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.20	23DBN-H40 Spring Hanger	Relevant Condition – Spring setting > 10% from design. Acceptable per engineering evaluation.	Yes

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

<b>Examination Category</b>	<b>Item Number</b>	<b>Item Description</b>	<b>Flaw Characterization (IWA-3300)</b>	<b>Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)</b>
F-A (N-491-1)	F1.20	1GG-H290 Spring Hanger	Relevant Condition – Sliding (UCAR) plate chipped. Acceptable per engineering evaluation.	Yes
F-A (N-491-1)	F1.30	33HB-S121 Rigid Restraint	Relevant Condition – No clearance on south side. Accepted per engineering evaluation.	Yes
N/A	N/A	High Pressure Service Water system piping	Relevant Condition – Measured wall thickness less than (Min. Wall) acceptance criteria.	No
N/A	N/A	High Pressure Service Water system piping	Relevant Condition – Measured wall thickness less than (Min. Wall) acceptance criteria.	No
N/A	N/A	High Pressure Service Water system piping	Relevant Condition – Measured wall thickness less than (Min. Wall) acceptance criteria.	No

**TABLE 3**  
**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES**  
**FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3**  
**JANUARY 1, 2002 TO OCTOBER 12, 2003**  
**( INCLUDES 3R14 REFUEL OUTAGE )**

ATTACHMENT 4

PAGE 6 OF 9

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

**SYSTEM 01: MAIN STEAM 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	RV-3-02-071L	Installed a rebuilt safety relief valve	No	10/7/2003	02-186, R0821531
Class 1	Replacement	RV-3-02-071K	Installed a rebuilt safety relief valve	No	10/7/2003	02-187, R0821530
Class 1	Replacement	RV-3-02-071J	Installed a rebuilt safety relief valve	No	10/7/2003	02-188, R0822430
Class 1	Replacement	RV-3-02-071F	Installed a rebuilt safety relief valve	No	10/7/2003	02-189, R0822431
Class 1	Replacement	RV-3-02-071B	Installed a rebuilt safety relief valve	No	10/7/2003	02-190, R0822428
Class 1	Replacement	RV-3-02-070A	Installed a rebuilt safety relief valve	No	10/7/2003	02-191, R0822429
Class 1	Replacement	RV-3-02-071C	Installed a rebuilt safety relief valve	No	10/7/2003	02-209, R0747164
Class 1	Replacement	AO-3-01A-086D	Installed 1 new bonnet stud and 12 new bonnet nuts	Yes	10/2/2003	03-019, R0888761
Class 1	Replacement	RV-3-02-071D	Installed a rebuilt safety relief valve	No	10/7/2003	03-090, C0206707
Class 1	Replacement	RV-3-02-071G	Installed a rebuilt safety relief valve	No	10/7/2003	03-092, C0206710

**SYSTEM 02: REACTOR AND RECIRCULATION**

<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	PB-3-02A-3AP034	Installed new pump cover and internals	No	10/9/2003	03-068, C0202973

TABLE 3

ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
JANUARY 1, 2002 TO OCTOBER 12, 2003  
( INCLUDES 3R14 REFUEL OUTAGE )

\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity

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 10-31, 18-15, 22-47, 26-27, 26-31, 34-23, 34-27, 34-39, 38-19, 50-39, 54-19, 58-23, 58-31	Exchanged CRD's with rebuilt CRD's during 3R14 outage	No	10/8/2003	03-036, R0882893

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	RV-3-10-181A	Installed new RHR Hx. 3AE024 Shell Side relief valve	No	11/12/2002	02-168, R0658138
Class 2	Replacement	RV-3-10-181D	Installed new RHR Hx. 3DE024 Shell Side relief valve	No	2/2/2003	03-004, R0716858
** Class 3	Replacement	MO-3-10-089D	Installed new RHR Hx 3DE024 HPSW Outlet Valve	No	6/19/2003	03-007, C0199233
Class 2	Repair	PB-3-10-3DE024	Repaired seal weld betwn floating head & floating tubesht	No	7/9/2003	03-062, C0202412
Class 2	Replacement	2" RHR Stayfull Piping	Replaced piping interfering with recirc motor replacement	No	6/23/2003	03-064, C0203872



TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
JANUARY 1, 2002 TO OCTOBER 12, 2003  
( INCLUDES 3R14 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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	9/26/2003	02-179, R0880506
Class 2	Replacement	RV-3-11-39B	Installed new relief valve	No	9/26/2003	02-180, R0881500

**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	8/14/2002	02-138, R0755065
Class 2	Replacement	VRV-3-13C-139B	Installed new vacuum relief valve	No	8/14/2002	02-139, R0755065
Class 2	Replacement	VRV-3-13C-139C	Installed new vacuum relief valve	No	8/14/2002	02-140, R0755065
Class 2	Replacement	VRV-3-13C-139D	Installed new vacuum relief valve	No	8/14/2002	02-141, R0755065

**SYSTEM 14: CORE SPRAY 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	RV-3-14-020B	Installed new relief valve	No	5/19/2003 02-019, R0696586
**	Class 2	Replacement	RV-3-14-020A	Installed new relief valve	No	7/15/2003 03-015, R0702441
	Class 2	Replacement	14GB-H43	Installed missing center bolt set on pipe clamp assembly	Yes	9/27/2003 03-094, C0206788

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
JANUARY 1, 2002 TO OCTOBER 12, 2003  
( INCLUDES 3R14 REFUEL OUTAGE )**

**\*\* Denotes that use of Code Case N-416-1 was employed in completing the repair / replacement activity**

**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 1	Replacement	AO-3-23-018	Installed 3 bearing cover studs (incidental replacement)	No	10/3/2003	03-003, R0874645

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	PB-3-32-RO-3789D	Installed blank flange in RO-3789D (new press. boundary)	No	1/29/2003	03-037, C0202412
Class 3	Replacement	RV-3-32-180B	Installed new RHR Hx. 3BE024 Tube Side relief valve	No	7/11/2003	99-142, R0696587

**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	1-DB-S-15-A	Installed new snubber and load pin bushings	Yes	10/6/2003	03-009, R0650212
Class 3	Replacement	1-GG-S-53	Installed new snubber load pins	No	9/24/2003	03-026, C0203431

**Attachment 5A**

**Peach Bottom Atomic Power Station Unit 3**

**Owner Activity Report (OAR-1)**

**for**

**Refueling Outage 3R15**

**Third 10-Year ISI Interval, Third Period**

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

Report Number: 3R15Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348Plant: Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314Unit No.: 3 Commercial Service Date: December 23, 1974Refueling Outages No.: 15Current Inspection Interval: 3<sup>rd</sup>Current Inspection Period: 3<sup>rd</sup>Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 AddendaDate and Revision of Inspection Plan: September 12, 2005, Revision 1

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period October 13, 2003 to October 16, 2005 conform to the requirements of Section XI.

Signed: Kenneth A. HudsonDate: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period October 13, 2003 to October 16, 2005 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009Inspector's Signature: J. F. LehmanCommissions: NB 2592, PA 2163 A, N, I  
National Board, State, Province & No.

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period	Total Examinations Credited (%) For The 3rd Period	Total Examinations Credited (%) thru 3rd Period of The Interval	Remarks
B-A	31	0.0	0.0	67.7	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	61	6.0	9.8	80.3	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	62	0.0	0.0	100.0	B-E examinations completed during RPV Hydro performed in P3R14
B-G-1	109	46.0	42.2	100.0	Code Case N-598 per approved Relief Request RR-33
B-G-2	116	30.0	25.9	83.6	Code Case N-598 per approved Relief Request RR-33
B-K	18	2.0	11.1	77.8	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	2	0.0	0.0	50.0	
B-M-2	11	5.0	45.5	90.9	
B-N-1	3	0.0	0.0	66.7	
B-N-2	49	13.0	26.5	85.7	
B-P	6	1.0	16.7	66.7	
C-A	2	1.0	50.0	100.0	Code Case N-598 per approved Relief Request RR-33
C-B	8	1.0	12.5	25.0	
C-C	17	6.0	35.3	100.0	Code Case N-598 per approved Relief Request RR-33
C-H	51	11.0	21.6	82.4	RPV flange leakoff drain piping test not completed for 2nd period.
D-A	18	5.0	27.8	27.8	Code Case N-598 per approved Relief Request RR-33
D-B	3	0.0	0.0	66.7	
E-A	68	11.0	16.2	66.2	VT-3 of the submerged portions of the Torus and Vent System have been extended 1 year. Will be performed during first outage in 4th interval per Interval per IWA-2430(d). An additional GV of Containment was performed in this interval for the ILRT requirements

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period	Total Examinations Credited (%) For The 3rd Period	Total Examinations Credited (%) thru 3rd Period of The Interval	Remarks
E-C	3	0.0	0.0	66.7	Alternative examination program per approved Request for Alternative CRR-11
E-D	63	63.0	100.0	100.0	10CFR50 Appendix J examination of seals and gaskets during P3R15 per approved Request for Alternative CRR-01
E-G	76	76.0	100.0	100.0	10CFR50 Appendix J and Code Category E-A examination during P3R15 per approved Request for Alternative CRR-07
E-P	1	1.0	100.0	100.0	During P3R15 in accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	158	36.0	22.8	89.2	Code Case N-598 per approved Relief Request RR-33
R-A	139	29.0	20.9	84.2	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)
F-A	F1.10	6DDNL-H6 Spring Hanger	Relevant Condition – loose jam nut; cold setting out of tolerance. re-examined after repair, acceptable.	Yes
F-A	F1.20	10HB-S6 Restraint	Relevant Condition – broken tack welds on bolt head and nut. Load pin on clamp is out of vertical alignment.	No, expanded sample.
F-A	F1.20	10HB-S9 Restraint	Relevant Condition – no thread engagement in site holes. Accepted as-is by evaluation.	No, expanded sample.
F-A	F1.20	10GB-S62A Rigid Restraint	Relevant Condition – anchor plate bolt was missing. Accepted by evaluation.	Yes
F-A	F1.20	10GB-H69 Spring Hanger	Relevant Condition – cold setting out of tolerance. Accepted by evaluation.	Yes
F-A	F1.20	10MO-S79 Rigid Restraint	Relevant Condition – missing cotter pin.	Yes
F-A	F1.20	10GB-S46 Rigid Restraint	Relevant Condition – missing jam nut, spherical bearing out of paddle.	No, expanded sample.
F-A	F1.20	10GB-S45 Rigid Restraint	Relevant Condition – missing jam nut, spherical bearing out of paddle.	No, expanded sample.
F-A	F1.30	1GG-H313 Spring Hanger	Relevant Condition – loose jam nuts on pipe clamp end.	Yes
F-A	F1.30	1GG-H299 Spring Hanger	Relevant Condition – misalignment of ucar plate; 1/3 of ucar plate was missing.	Yes
N/A	N/A	High Pressure Service Water system piping (IR 199832)	Relevant Condition – Measured wall thickness less than minimum wall acceptance criteria.	No

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)
N/A	N/A	High Pressure Service Water system piping (IR 293083)	Relevant Condition – Measured wall thickness less than minimum wall acceptance criteria.	No
N/A	N/A	High Pressure Service Water system piping (IR 267973)	Relevant Condition – Measured wall thickness less than minimum wall acceptance criteria.	No
F-A	F1.20	10GB-S44 Snubber (IR 332980)	Relevant Condition – 10 of 18 bolts found loose on snubber mounting plates.	No
F-A	F1.20	23DDN-S300A pipe support (IR 332355)	Relevant Condition – lower anchor bolts on HPCI pipe support are partially pulled out of wall.	No
F-A	F1.20	10GB-H87 Spring Hanger	Relevant Condition – Loose nut found on spring can base plate.	No
F-A	F1.20	23DDN-S22A Rigid Restraint	Relevant Condition – Support was found ¼" out of alignment and one loose bolt on base plate.	No
F-A	F1.20	23DDN-S23A Rigid Restraint	Relevant Condition – Support was found out of alignment.	No
F-A	F1.20	23DDN-S31 Rigid Restraint	Relevant Condition – Support was found out of alignment.	No
F-A	F1.20	23DDN-S24 Rigid Restraint	Relevant Condition – Support was found out of alignment.	No



**TABLE 3**  
**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES**  
**FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3**  
**OCTOBER 13, 2003 TO OCTOBER 16, 2005**  
**( END OF 3R15 REFUEL OUTAGE )**

ATTACHMENT 5A

PAGE 6 OF 9

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**SYSTEM 01: MAIN STEAM 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	AO-3-01A-080A	Installed new bonnet nuts as incidental replacement	No	10/3/2005	05-063, R0948673
Class 1	Replacement	AO-3-01A-080D	Installed new bonnet nuts as incidental replacement	No	10/3/2005	05-066, R0948673
Class 1	Replacement	RV-3-02-071A	Installed a rebuilt safety relief valve	No	9/25/2005	05-067, R0892990
Class 1	Replacement	RV-3-02-071D	Installed a rebuilt safety relief valve	No	9/25/2005	05-068, R0946312
Class 1	Replacement	RV-3-02-071E	Installed a rebuilt safety relief valve	No	9/24/2005	05-070, R0884101
Class 1	Replacement	RV-3-02-070B	Installed a rebuilt safety relief valve	No	9/24/2005	05-071, R0885698
Class 1	Replacement	RV-3-02-071H	Installed a rebuilt safety relief valve	No	9/24/2005	05-072, R0888173
Class 1	Replacement	RV-3-02-071B	Installed a rebuilt safety relief valve	No	9/25/2005	05-118, R0949234

**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 10-11, 10-15, 10-43, 14-27, 14-35, 14-39, 18-27, 18-51, 26-07, 26-19, 26-23, 30-43, 30-55, 38-23, 42-03, 42-35, 46-19, 46-23, 50-35	Exchanged CRD's with rebuilt CRD's	No	10/7/2005	05-017, R0960523
<b>**</b> Class 2	Replacement	SVD cleanout pipe caps	Remove/install pipe caps to flush scram disch. header	No	10/1/2005	05-085, R0967521

**TABLE 3**  
**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES**  
**FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3**  
**OCTOBER 13, 2003 TO OCTOBER 16, 2005**  
**( END OF 3R15 REFUEL OUTAGE )**

ATTACHMENT 5A

PAGE 7 OF 9

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	CHK-3-06-096A	Installed new valve bonnet	No	10/1/2005	02-184, R0873962
Class 1	Repair	MO-3-06-038B	Machined bonnet stem bore dia. per engineering analysis	No	10/4/2005	05-123, R0744837

**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	RV-3-10-181B	Installed new RHR Hx. 3BE024 Shell Side relief valve	No	1/29/2004	03-111, R0717546
<b>**</b> Class 3	Replacement	MO-3-10-089C	Installed new RHR Hx 3CE024 HPSW Outlet Valve	No	10/5/2005	04-170, C0210627
<b>**</b> Class 3	Replacement	MO-3-10-089B	Installed new RHR Hx 3BE024 HPSW Outlet Valve	No	9/26/2005	05-049, C0211160
Class 2	Replacement	10GB-S46	Installed new restraint rod end and jam nuts	No	10/9/2005	05-132, C0215324
Class 2	Replacement	10GB-S45	Installed new restraint eye rod end and jam nuts	No	10/9/2005	05-136, C0215330

**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-3-11-39B	Installed new relief valve	No	9/29/2005	05-031, R0950653
Class 2	Replacement	RV-3-11-39A	Installed new relief valve	No	9/29/2005	05-032, R0950662

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 13, 2003 TO OCTOBER 16, 2005  
( END OF 3R15 REFUEL OUTAGE )**

ATTACHMENT 5A

PAGE 8 OF 9

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	CHK-3-13C-133	Installed new check valve	No	4/21/2004	02-130, C0201541

**SYSTEM 14: CORE SPRAY 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	CHK-3-14-10C	Installed new check valve bonnet bolts	No	7/20/2005	03-080, R0925152
Class 2	Replacement	CHK-3-14-10B	Installed new check valve bonnet bolts	No	5/18/2004	04-098, R0937004
Class 2	Replacement	RO-3-14-037C	Installed new studs and nuts for thread engagement issue	No	7/13/2004	04-146, C0210414
Class 2	Replacement	CHK-3-14-10D	Installed new check valve bonnet bolts	No	5/25/2005	05-012, R0925143

**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	3-23MO-H47	Modified and installed new operator support bracket	No	5/5/2004	04-106, R0741407
Class 2	Repair	23DDN-S46	Repaired cracked weld on rigid restraint base plate	No	5/6/2005	05-109, C0213715
** Class 2	Replacement	MO-3-23-014	Installed new valve	No	9/27/2005	05-034, C0212707
Class 2	Replacement	PSD-3-23-006	Replace rupture disc bolting, incidental replacement	No	9/22/2005	05-077, R0864706
Class 2	Replacement	HV-3-23C-31125	Installed a 1" pipe support off of a 2" header	No	4/22/2005	05-106, C0213460
Class 2	Replacement	HV-3-23C-31158	Installed new valve bonnet	No	9/29/2005	05-124, C0215211
Class 2	Replacement	3-23DBN-S53	Installed shims to pipe clamp on rigid restraint	No	10/4/2005	05-125, C0212707

TABLE 3

**ABSTRACT OF ASME REPAIRS, REPLACEMENTS, OR CORRECTIVE MEASURES  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 13, 2003 TO OCTOBER 16, 2005  
( END OF 3R15 REFUEL OUTAGE )**

ATTACHMENT 5A

PAGE 9 OF 9

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	RO-3-32-3789B	Installed new outlet restricting orifice and associated piping	No	6/12/2004	04-110, C0209102
Class 3	Replacement	RO-3-32-3789D	Installed new outlet restricting orifice and associated piping	No	7/1/2004	04-111, C0208948

**SYSTEM 33: EMERGENCY SERVICE WATER (ESW)**

<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 3	Replacement	HV-3-33-518	Installed new valve	No	3/1/2006	03-067, C0204514

**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 1	Replacement	SS-B-4	Installed new snubber	No	9/24/2005	02-213, R0474912
Class 1	Replacement	SS-C-4	Installed new snubber	No	9/24/2005	02-214, R0474913
Class 1	Replacement	SS-D-3	Installed new snubber	No	9/27/2005	02-216, R0474915
Class 3	Replacement	1-GG-S-13	Installed new snubber	No	9/27/2005	05-052, R0474916
Class 3	Replacement	1-GG-S-31	Installed new snubber	No	9/27/2005	05-053, R0474918
Class 3	Replacement	1-GG-S-53	Installed new snubber	No	9/28/2005	05-054, R0474919
Class 3	Replacement	1-GG-S-65	Installed new snubber	No	9/29/2005	05-055, R0474920
Class 3	Replacement	1-GG-S-30	Installed new snubber rod eye extension	No	10/6/2005	05-129, C0215274

**Attachment 5B**

**Peach Bottom Atomic Power Station Unit 3**

**Owner Activity Report (OAR-1)  
for**

**Refueling Outage 3R16  
Third 10-Year ISI Interval, Third Period.**

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

Report Number: 3R16Owner: EXELON NUCLEAR  
200 Exelon Way  
Kennett Square, PA 19348Plant: Peach Bottom Atomic Power Station  
1848 Lay Road  
Delta, PA 17314Unit No.: 3 Commercial Service Date: December 23, 1974Refueling Outages No.: 16Current Inspection Interval: 3<sup>rd</sup>Current Inspection Period: 3<sup>rd</sup>Edition and Addenda of Section XI applicable to the Inspection Plan: 1989 Edition & 1992 Edition including 1992 AddendaDate and Revision of Inspection Plan: September 18, 2007, Revision 2

Edition and Addenda of Section XI applicable to repairs and replacements: 1989 Edition and Code Case N-416-1

**CERTIFICATE OF CONFORMANCE**

I certify that the statements made in this Owner's Activity Report are correct, and that the examinations, tests, repairs, replacements, evaluations, and corrective measures represented by this report for the period October 17, 2005 to November 4, 2008 conform to the requirements of Section XI.

Signed: Kenneth A. HudsonDate: 01-24-2009

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Commonwealth of Pennsylvania and employed by Hartford Steam Boiler Inspection & Insurance Company of Connecticut, of Hartford, Connecticut, have inspected the components described in the Owner's Data Report during the period October 17, 2005 to November 4, 2008 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 examinations, tests, repairs, replacements, evaluations, and corrective measures 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 loss of any kind arising from or connected with this inspection.

Date: 1/26/2009Inspector's Signature: [Signature]Commissions: NB 7592 PA 2063 ANI  
National Board, State, Province & No. 1

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period	Total Examinations Credited (%) For The 3rd Period	Total Examinations Credited (%) thru 3rd Period of The Interval	Remarks
B-A	31	10.0	32.3	100.0	RPV Circumferential shell weld exempted per approved Relief request RR-41
B-D	61	18.0	29.5	100.0	Case N-598, Alternative Requirements to Required Percentages of Examinations, Section XI, Division 1 per approved Relief Request RR-33
B-E	62	0.0	0.0	100.0	B-E examinations completed during RPV Hydro performed in P3R14
B-G-1	109	46.0	42.2	100.0	Code Case N-598 per approved Relief Request RR-33
B-G-2	116	49.0	42.2	100.0	Code Case N-598 per approved Relief Request RR-33
B-K	18	8.0	44.4	111.1	1) Code Case N-598 per approved Relief Request RR-33 2) Use of ASME CC N-509, Alternative Rules for the Selection and Examination of Class 1, 2, and 3 Integrally Welded Attachments Section XI, Division 1, included Category B-H as B-K
B-L-2	2	1.0	50.0	100.0	
B-M-2	11	6.0	54.5	100.0	
B-N-1	3	1.0	33.3	100.0	
B-N-2	49	20.0	40.8	100.0	
B-P	6	3.0	50.0	100.0	
C-A	2	1.0	50.0	100.0	Code Case N-598 per approved Relief Request RR-33
C-B	8	3.0	37.5	50.0	
C-C	17	9.0	52.9	117.6	Code Case N-598 per approved Relief Request RR-33
C-H	51	19.0	37.3	98.0	RPV flange leakoff drain piping test not completed for 2nd period.

TABLE 1  
ABSTRACT OF EXAMINATIONS AND TESTS

Examination Category	Total Examinations Required For The Interval	Total Examinations Credited For The 3rd Period	Total Examinations Credited (%) For The 3rd Period	Total Examinations Credited (%) thru 3rd Period of The Interval	Remarks
D-A	18	19.0	105.6	105.6	Code Case N-598 per approved Relief Request RR-33
D-B	3	1.0	33.3	100.0	
E-A	68	32.0	47.1	97.1	VT-3 of the submerged portions of the Torus and Vent System have been extended 1 year. Will be performed during first outage in 4th interval per Interval per IWA-2430(d). An additional GV of Containment was performed in this interval for the ILRT requirements
E-C	3	1.0	33.3	100.0	Alternative examination program per approved Request for Alternative CRR-11
E-D	63	63.0	100.0	100.0	10CFR50 Appendix J examination of seals and gaskets during P3R15 per approved Request for Alternative CRR-01
E-G	76	76.0	100.0	100.0	10CFR50 Appendix J and Code Category E-A examination during P3R15 per approved Request for Alternative CRR-07
E-P	1	1.0	100.0	100.0	During P3R15 in accordance with 10CFR50 Appendix J Test Program and Schedule
F-A	158	58.0	36.7	103.2	Code Case N-598 per approved Relief Request RR-33
R-A	139	51.0	36.7	100.0	Implemented RI-ISI starting 2nd Period, replacing Categories B-F, B-J, and C-F-2.



**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)
F-A (N-491-1)	F1.30	32MO-H57 Spring Support	Relevant Condition – Bent and loose parts. Accepted by Engineering Evaluation.	Yes
		N-7 Vent Flange	1/64 in. wide gouge completely across tongue sealing surface of the flange. Repaired.	No, occurred during vessel disassembly
E-C	E4.11	Torus Wetted Pressure Boundary	Relevant Condition – Pitting was inspected and depths measured. Accepted by Engineering Evaluation.	Yes
E-D	E5.30	3-MBAR-INT Moisture Barrier	Relevant Condition – five (5) small areas of degradation. Repaired.	Yes
F-A (N-491-1)	F1.10	HD-4 Pipe Support	Relevant Condition – all eight (8) bolts and nuts missing. Support plate is welded. Accepted by Engineering Evaluation.	Yes
E-A	E1.12	Torus Piping in Torus air space	Relevant Condition – six (6) pipes were identified to have surface rust. Accepted by Engineering Evaluation	Yes
F-A (N-491-1)	F1.30	33HB-S145 Rigid Restraint	Relevant Condition - loose nut on the pipe clamp bolt as well as an incorrectly sized bushing. Accepted by Engineering Evaluation. Loose nut repaired and re-examination acceptable.	Yes
F-A (N-491-1)	F1.30	33HB-H152 Spring Hanger	Relevant Condition – loose jam nut on threaded rod. Accepted by Engineering Evaluation. Loose nut repaired, re-examination acceptable.	Yes
E-A	E1.12	Drywell N-4 Drywell Head Hatch	Relevant Condition - on the inside of the head access penetration, N-4, paint is peeled off in about a 6" x 10" area. Accepted by Engineering Evaluation.	Yes
F-A (N-491-1)	F1.20	23HB-S40 Rigid Restraint	Relevant Condition – a washer is missing on the base plate #17 (northwest corner). Repaired.	Yes

**TABLE 2**  
**ITEMS WITH FLAWS OR RELEVANT CONDITIONS THAT REQUIRED EVALUATION FOR CONTINUED SERVICE**

Examination Category	Item Number	Item Description	Flaw Characterization (IWA-3300)	Flaw or Relevant Condition Found During Scheduled ASME XI Examination or Test (Yes or No)
E-A	E1.20	Vent Header	Relevant Condition - 4 downcomers at the 270 degree azimuth, coating is peeling near the waterline. Areas are approximately 6-8 inches long and wide. Accepted by Engineering Evaluation	Yes
F-A (N-491-1)	F1.40	RHRHX-D-LS Heat Exchanger Lower Support	Relevant Condition – Missing bolts and gap in plate. Accepted by Engineering Evaluation.	No
F-A	F1.30	33HB-S63 Pipe Restraint	Relevant Condition – pipe restraint found not carrying correct load. Accepted by Engineering Evaluation.	No
F-A	F1.30	33HB-H127	Relevant Condition – pipe restraint found not carrying correct load. Accepted by Engineering Evaluation.	No

TABLE 3

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 17, 2005 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**SYSTEM 01: MAIN STEAM 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	RV-3-02-071G	Installed a rebuilt safety relief valve	No	10/6/2007	05-069, R0946313
Class 1	Replacement	AO-3-01A-080C	Installed 3 new bonnet studs as incidental replacement	No	10/5/2007	06-180, R1018560
Class 1	Replacement	AO-3-01A-080D	Installed 4 new bonnet studs & 24 nuts as incid. replace	No	10/5/2007	06-181, R1018560
Class 1	Replacement	RV-3-02-071F	Installed a rebuilt safety relief valve	No	10/6/2007	07-037, R0949297
Class 1	Replacement	RV-3-02-070A	Installed a rebuilt safety relief valve	No	10/3/2007	07-042, R0949210
Class 1	Replacement	RV-3-02-071J	Installed a rebuilt safety relief valve	No	10/6/2007	07-074, R0949450
Class 1	Replacement	RV-3-02-071K	Installed a rebuilt safety relief valve	No	10/6/2007	07-076, R0949298
Class 1	Replacement	RV-3-02-071L	Installed a rebuilt safety relief valve	No	10/6/2007	07-078, R0949503
Class 1	Replacement	RV-3-02-071C	Installed a rebuilt safety relief valve	No	10/6/2007	07-079, R0949456
Class 1	Replacement	RV-3-02-071D	Installed a rebuilt safety relief valve	No	2/6/2008	07-160, C0223239

**SYSTEM 02: REACTOR AND RECIRCULATION**

<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	PB-3-02A-3BP034	Installed new pump internals motor	No	10/7/2007	07-049, C0219200

TABLE 3

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 17, 2005 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL )**

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**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 06-19, 10-47, 22-31, 26-11, 26-31, 26-43, 30-15, 30-35, 34-31, 34-39, 34-51, 38-39, 42-23, 42-31, 50-11, 50-19, 58-39	Exchanged CRD's with rebuilt CRD's	No	10/1/2007	06-183, R1018595
** Class 1	Replacement	SVD cleanout pipe caps	Install pipe caps/connections on scram disch. header	No	10/6/2007	07-048, C0219214

**SYSTEM 04: REACTOR PRESSURE VESSEL AND INTERNALS**

<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	Repair	PB-3-04-P-P-N07	Performed skim cut on flange face to remove gouge	No	10/6/2007	07-148, C0222738

TABLE 3

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 17, 2005 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL )**

**\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity**

**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	10GB-H132	Installed new hanger rod and clevis	No	9/26/2007	05-143, C0215615
Class 2	Replacement	PB-3-10-3DE024	Installed new RHR Hx. 3DE024 Floating Head	No	2/2/2007	07-005, C0219318
Class 2	Replacement	RV-3-10-181C	Installed new RHR Hx. 3CE024 Shell Side Relief Valve	No	11/26/2007	07-142, R0907460
Class 1	Replacement	AO-3-10-046A	Incidental bonnet bolt replacement	No	10/1/2007	07-146, C0222695

**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-3-11-39B	Installed new relief valve	No	12/15/2006	06-144, C0217362
Class 2	Replacement	RV-3-11-39B	Installed new relief valve	No	10/1/2007	06-152, R1011381
Class 2	Replacement	RV-3-11-39A	Installed new relief valve	No	10/1/2007	06-153, R1011382
Class 2	Replacement	RV-3-11-39A	Installed new relief valve	No	12/14/2006	06-214, C0219575

**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 1	Replacement	MO-3-13-015	Installed new valve bonnet	No	10/4/2007	07-102, C0219281

TABLE 3

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 17, 2005 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL )**

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**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	HV-3-23C-55	Installed new bonnet on HPCI turb exh drain to torus valve	No	9/28/2007	07-080, C0220043
Class 2	Replacement	HV-3-23C-31158	Installed new valve/piping for HPCI turb exh drain to torus	No	9/28/2007	07-081, C0220043
Class 2	Replacement	23-DDN-S-300A/B	Installed new base plate hilti anchor bolts	No	9/25/2007	07-089, C0220627
Class 2	Replacement	VRV-3-23C-140A	Installed new vacuum relief valve.	No	6/16/2008	08-087, R0790436
Class 2	Replacement	VRV-3-23C-140B	Installed new vacuum relief valve.	No	6/16/2008	08-088, R0790439
Class 2	Replacement	VRV-3-23C-140C	Installed new vacuum relief valve.	No	6/16/2008	08-089, R0790438
Class 2	Replacement	VRV-3-23C-140D	Installed new vacuum relief valve.	No	6/16/2008	08-090, R0790440

**SYSTEM 32: HIGH PRESSURE SERVICE WATER 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 3	Replacement	RV-3-32-180A	Installed new RHR Hx. 3AE024 Tube Side Relief Valve	No	11/30/2006	06-157, R0821600
Class 3	Replacement	RO-3789C	Installed new orifice plate in RO-3789C	No	11/26/2007	06-201, C0218911
Class 3	Replacement	RV-3-32-180D	Installed new RHR Hx. 3DE024 Tube Side Relief Valve	No	7/30/2007	06-206, R0875863
Class 3	Replacement	RO-3800D, RO-3789D	Installed new / modified orifice plates in RO-3800D/3789D	No	7/31/2007	07-097, C0220918
Class 3	Replacement	RV-3-32-180C	Installed new RHR Hx. 3CE024 Tube Side Relief Valve	No	11/26/2007	07-143, R0889741

TABLE 3

**SUMMARY OF ASME REPAIRS AND REPLACEMENTS COMPLETED  
FOR PEACH BOTTOM ATOMIC POWER STATION, UNIT NO. 3  
OCTOBER 17, 2005 TO NOVEMBER 4, 2008  
( END OF 10 YEAR INTERVAL )**

\*\* Denotes that use of Code Case N-416-2 was employed in completing the repair / replacement activity

**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-58	Installed new snubber	No	10/5/2007	07-012, R0545777
Class 3	Replacement	1-GG-S-25	Installed new snubber	No	10/1/2007	07-013, R0545115
Class 2	Replacement	10-GB-S-12	Installed new snubber	No	9/26/2007	07-014, R0545327
Class 1	Replacement	6-DDNL-S-12	Installed new snubber	No	9/30/2007	07-015, R0546132
Class 1	Replacement	SS-3-A	Installed new snubber	No	9/27/2007	07-016, R0646441
Class 3	Replacement	1-GG-S-18	Installed new snubber	No	9/30/2007	07-019, C0219939
Class 2	Replacement	10-GB-S-64	Installed new snubber	No	9/26/2007	07-021, C0219945
Class ..	Replacement	27-HCR-S-187	Installed new snubber	No	9/26/2007	07-026, C0219969
Class 3	Replacement	1-GG-S-205-A	Installed new snubber	No	10/1/2007	07-029, C0219986
Class ..	Replacement	1-DB-S-38-A	Installed new snubber	No	10/8/2007	07-038, R0815380
Class ..	Replacement	1-DB-S-25-A	Installed new snubber	No	10/8/2007	07-040, R0815579
Class ..	Replacement	1-DB-S-2-A	Installed new snubber	No	10/8/2007	07-041, R0815590
Class 1	Replacement	SS-1-B, SS-2-B	Installed temporary struts to allow pump/motor replacement	No	9/30/2007	07-107, C0219219