AmerGen

An Exelon Company

INSERVICE INSPECTION SUMMARY REPORT

REPORT DATE: May 18, 2006

INSERVICE DATE: April 24, 1987

REFUELING OUTAGE: C1R10

CLINTON POWER STATION
R.R.#3 Box 228, CLINTON, ILLINOIS 61727

AmerGen
An Exelon Company

Clinton Power Station
R. R. 3, Box 228
Clinton, IL 61727

10 CFR 50.55a(g)

U-603774
May 26, 2006

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

Clinton Power Station, Unit 1
Facility Operating License No. NPF-62
NRC Docket No. 50-461

Subject: 90-Day Post-Outage Inservice Inspection (ISI) Summary Report

In accordance with 10 CFR 50.55a, "Codes and standards," paragraph (g), "Inservice inspection requirements," AmerGen Energy Company (AmerGen), LLC is required to maintain an Inservice Inspection Program in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code. Please find enclosed the Post-Outage (90-Day) ISI Summary Report for Clinton Power Station, Unit 1, for examinations and repair/replacement activities performed between February 26, 2004 (i.e., the end of the ninth refueling outage) and February 26, 2006 (i.e., the end of the most recent refueling outage).

This report is submitted in accordance with the requirements of ASME Section XI, Article IWA-6200, Paragraph IWA-6230. This refueling outage was the second outage scheduled of the second inspection period of the second inspection interval. The second inspection interval is from January 1, 2000 to December 31, 2010.

Should you have any questions related to this information, please contact Mr. Jim Peterson at (217) 937-2810.

Respectfully,

Jim Peterson for

William S. Iliff
Regulatory Assurance Manager
Clinton Power Station

JLP/amw

Attachment – 90-Day Post-Outage ISI Summary Report
cc: Regional Administrator, NRC Region III
NRC Senior Resident Inspector, Clinton Power Station
Office of Nuclear Facility Safety – IEMA Division of Nuclear Safety

A047

INSERVICE INSPECTION
SUMMARY REPORT

C1R10

Prepared by: Mirza Baig / 5-18-06

Reviewed by: N. W. Parent / 5-18-06

/ 5/24/06

/

Approved by: SC 5/24/06 / 5/25/6

Concurred by: ANII / 5/25/06

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TITLE **SECTION**

SECTION 1

INTRODUCTION AND SCOPE

INTRODUCTION:

This Summary Report covers the Inservice Inspection performed at Clinton Power Station (CPS), between February 26, 2004 and February 26, 2006. This is the second inspection performed during the second inspection period of the second ten (10)-year interval. During this Fuel Cycle, CPS experienced five forced outages (C1F42, C1F43, C1F44, C1F45, and C1F46) and one planned refueling outage (C1R10). All examinations, tests, repairs and replacements were performed in accordance with the CPS Inservice Examination Plan which complies with ASME Section XI, 1989 Edition.

The ASME Section XI examinations, tests and repairs/replacements were witnessed or verified by Authorized Nuclear Inservice Inspector (ANII) M. Haydon of Hartford Steam Boiler of Connecticut. This summary report contains additional augmented (non-ASME Section XI) inspection results not required to be witnessed or verified by the ANII.

In accordance with IWA-6220, the name and description of the components examined are listed on the NIS-1 Data Report and its attachments (Section 2). Further component information is obtainable through the reference number, or other information, for the specific item. The manufacturers' names for the components examined are also identified in Item 7 of the NIS-1 Data Report and their addresses are on file at CPS. Documentation supporting this Summary Report is referenced in the Inservice Examination Plan, implementing procedures, or record files identified in the specific sections of this report.

Scope:

The scope of Inservice Inspection performed during this Fuel Cycle is summarized as follows:

- Preservice Examinations – Preservice examinations were performed on bolting associated with the main steam safety relief valves and various flange boltings. Also, preservice examinations were performed on five (5) piping welds as a result of modification to the RCIC system during C1R10.
- Scheduled Inservice Examinations – The NIS-1 Data Report (Section 2) provides the listing of all examinations completed during C1R10. Conditions noted during C1R10 and corrective measures taken are described in the NIS-1 Data Report.

- Snubbers – There are five hundred seventy-one (571) snubbers in the ISI Program required by the CPS Operational Requirements Manual (ORM). Per the initial outage scope, 90 snubbers were removed from the plant with 80 of them functionally tested. The 80 snubbers originally scoped for functional testing during C1R10 included:

    - Fifty-nine (59) snubbers to meet the 10% ORM representative sample requirement,
    - Nine (9) snubbers that failed functional testing in C1R09,
    - Seven (7) snubbers in response to C1R09 corrective action 205123-09, and
    - Five (5) snubbers that were degraded in C1R09 were tested as part of the Service Life Monitoring Program.
    - Twenty (20) type-1 snubbers had preventive maintenance (PM) performed on them to address corrective action 205123-07. Ten (10) of these snubbers were part of the original 10% sample plan and functionally tested before their PM. The other ten (10) snubbers were removed solely to perform the PM activity.

  During the performance of initial sample testing, three (3) snubbers (two type 1 and one type 2) failed to meet functional testing acceptance criteria. Type 1 snubbers consist of PSA-¼ and ½ sizes and type 2 snubbers consist of PSA-1, 3 and 10 sizes. An additional ten (10) type 1 snubbers were selected for functional testing. No failures occurred in this additional sample. An additional sixteen (16) type 2 snubbers were selected for functional testing. No failures occurred in this additional sample.

  One (1) type 2 snubber was functionally tested after it was determined that a portion of a temporary shielding package was being supported by its extension piece. Functional test results were acceptable.

  Overall, one hundred and seventeen (117) snubbers were removed from the plant. One hundred and seven (107) were functionally tested and the remaining ten (10) had preventive maintenance activities performed on them.

  CPS did not implement any modifications during C1R10 that removed or installed snubbers. Therefore, the ISI Program snubber population after C1R10 remains at 571.

- Component Supports – Twenty six (26) components supports (other than snubbers) and two (2) Class 3 integral attachments were scheduled for visual examination for C1R10. All were found acceptable.
- Pressure Tests – ASME Code Class 1 Components – A system leakage test and VT-2 inspection of ASME Code Class 1 components were successfully performed prior to plant startup.
- Repairs and Replacements – During C1R10 no repairs and replacements were required as a result of scheduled examinations. Also during C1R10, there were several modifications performed. The modifications, as well as repairs and replacements which resulted from routine maintenance, are specifically detailed in Section 6 of this report.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

1. Owner: Amergen Energy Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727

3. Plant Unit: 1

4. Owner Certificate of Autherization: N/A

5. Commercial Service Date: 4-24-87

6. National Board Number for Unit: N/A

10. Abstract of Examination:

Listing of Examinations:

Table 1 lists scheduled examinations of components for C1R10. The results column in the table provides further explanation for these examinations. Those items, which were examined, that require no further evaluation are identified as acceptable.

Table 2 lists scheduled visual examinations of component supports. The results column in the table provides further explanation for these examinations/tests. Those items, which were examined/tested, that require no further evaluation are identified as acceptable. The visual examination results of all supports were acceptable.

Table 3 lists visual examinations and functional testing of snubbers. The results column in the table provides further explanation for these examinations/tests. Those items, which were examined/tested, that require no further evaluation are identified as acceptable. The visual examination results of snubbers are identified as acceptable. For those snubbers, which had unacceptable functional tests, the additional snubbers tested are included in this table and discussed further in attachment 2.

Table 4 lists scheduled pressure tests. The results column in the table provides further explanation for these tests.

Current Interval Status:

Currently CPS is in the Second Period of the Second Interval. CPS had two (2) refueling outages, C1R07 and C1R08 during the First Period. CPS had two (2) refueling outages, C1R09 and C1R10, during the Second Period. CPS will have two (2) refueling outages, C1R011 and C1R12, during the Third Period. With the exception of the examinations that may be deferred until the end of the inspection interval, the required examinations in each examination category were completed (Inspection Program B).

During the seventh refueling outage (C1R07) two (2) items were identified as requiring relief from NRC. These items are identified as N7 and RHR-A-2. During the eighth refueling outage (C1R08) ten (10) items were identified as requiring relief from NRC. These items are CH-C-2, RPV-C5, N2F, N2G, N3A, N3C, N4A, N4D, N5A, and N9A. During the ninth refueling outage (C1R09) one (1) item was identified as requiring relief from NRC. This item is identified as 1-MS-A-7PR-WA. During 1CR10 eleven items were identified as requiring relief from NRC. These items are identified as N1B, N2B, N2C, N2D, N2E, CH-C-2, 1-RR-A-1, 1-RR-B-1, 1-RH-20-7, 1-RT-36-7, and 1-RT-36-1A.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As Required by the Provisions of the ASME Code Rules

1. Owner Amergen Energy Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant Clinton Power Station, RR3 Box 228, Clinton,IL 61727

3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A

5. Commercial Service Date 4/24/1987 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State Number	National Board No.
Reactor Vessel 1B13-D003	Chicago Bridge & Iron Co.	B5225	B005056	4442
Core Shroud 1B13-D070	Sun Shipbuilding and Dry Dock Co.	50977-1	N/A	1386
RHR Pump 1E12-C002A	Byron Jackson	741-S-1448	N/A	N/A
HPCS Pump 1E22-C001	Byron Jackson	731-S-1186	N/A	N/A
LPCS Pump 1E21-C001	Byron Jackson	741-S-1451	N/A	N/A
Valve 1E12-F010A	Anchor/Darling Valve Co.	E-6214-11-1	N/A	N/A
Valve 1E12-F039A	Anchor/Darling Valve Co.	E-6214-8-1	N/A	N/A
Valve 1E21-F042A	Anchor/Darling Valve Co.	E-6214-9-1	N/A	N/A
Piping Systems	Illinois Power Co.	See Note 1	N/A	N/A

Note 1: The piping components examined/tested are listed in Attachment 1 of this NIS-1 Data Report.

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in the items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 02/26/04 to 02/26/06 9. Inspection Interval from 01/01/00 to 12/31/10

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval.
See Attachment 1.

11. Abstract of Conditions Noted.
See Attachment 2.

12. Abstract of Corrective Measures Recommended and taken.
See Attachment 2.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

Date 5-24-06 Signed Amergen Energy Co., LLC By Mirza Baig
Owner

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 Illinois and employed by Hartford Steam Boiler of Connecticut have inspected the components described in this owner's report during the period 02/26/04 to 02/26/06, 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 Report in accordance with the inspection plan and as required by 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any Manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions IL #1721
Inspector's Signature National Board, state, province, and endorsements

Date 25 MAY 2006

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 1

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087
2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727
3. Plant Uni: 1 4. Owner Certificate of Autherization: N/A
5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
000300	RPV-SK(1/3)	MT		B10.10	B-K	1	ACCEPTABLE
001150	N1B	MECH UT		B3.90	B-D	1	ACCEPTABLE, NOTE 1
001250	N2B	MECH UT		B3.90	B-D	1	ACCEPTABLE, NOTE 1
001300	N2C	MECH UT		B3.90	B-D	1	ACCEPTABLE, NOTE 1
001350	N2D	MECH UT		B3.90	B-D	1	ACCEPTABLE, NOTE 1
001400	N2E	MECH UT		B3.90	B-D	1	ACCEPTABLE, NOTE 1
002500	N1B-IRS	MECH UT		B3.100	B-D	1	ACCEPTABLE
002600	N2B-IRS	MECH UT		B3.100	B-D	1	ACCEPTABLE
002650	N2C-IRS	MECH UT		B3.100	B-D	1	ACCEPTABLE
002700	N2D-IRS	MECH UT		B3.100	B-D	1	ACCEPTABLE
002750	N2E-IRS	MECH UT		B3.100	B-D	1	ACCEPTABLE
004300	N1A-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004350	N1B-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004400	N2A-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004440	N2B-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004480	N2C-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004520	N2D-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004560	N2E-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004600	N2F-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004640	N2G-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004680	N2H-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004720	N2J-W-1	MECH UT		NA	NA	1	ACCEPTABLE
004760	N2K-W-1	MECH UT		NA	NA	1	ACCEPTABLE
005100	N5A-W-1	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005120	N5A-W-2	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005140	N5B-W-1	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005160	N5B-W-2	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005300	N6A-W-1	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005320	N6A-W-2	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005340	N6B-W-1	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005360	N6B-W-2	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005365	N6C-W-1	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005370	N6C-W-2	UT-E	MECH UT	R1.11	R-A	1	ACCEPTABLE
005500	N9A-W-1	UT		NA	NA	1	ACCEPTABLE
007500	CLOSURE STUDS(22)	MT	UT	B6.30	B-G-1	1	ACCEPTABLE
007550	CLOSURE NUTS(22)	MT		B6.10	B-G-1	1	ACCEPTABLE
007600	FLG LIG. THREADS(22)	UT		B6.40	B-G-1	1	ACCEPTABLE
007650	CLOSURE WASHERS(22)	VT-1		B6.50	B-G-1	1	ACCEPTABLE

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5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
008561	CS-A-APB(PB1)	EVT-1		NA	NA	1	ACCEPTABLE
008562	CS-A-BP4C	EVT-1		NA	NA	1	ACCEPTABLE
008563	CS-A-BP4D	EVT-1		NA	NA	1	ACCEPTABLE
008564	CS-A-BP8	VT-1		NA	NA	1	ACCEPTABLE
008565	CS-A-BPB(PB2)	EVT-1		NA	NA	1	ACCEPTABLE
008566	CS-A-PR	EVT-1		NA	NA	1	ACCEPTABLE
008567	CS-A-ADR	EVT-1		NA	NA	1	ACCEPTABLE
008568	CS-A-BDR	EVT-1		NA	NA	1	ACCEPTABLE
008569	CS-B-PR	EVT-1		NA	NA	1	ACCEPTABLE
008570	CS-B-CDR	EVT-1		NA	NA	1	ACCEPTABLE
008571	CS-B-DDR	EVT-1		NA	NA	1	ACCEPTABLE
008572	IRM	VT-3		NA	NA	1	ACCEPTABLE
008573	SRM 'C'	VT-3		NA	NA	1	ACCEPTABLE, SEE NOTE 2
008574	LPRM (only 4)	VT-3		NA	NA	1	ACCEPTABLE
008575	LPCI-A-6-1a	EVT-1		NA	NA	1	ACCEPTABLE
008576	LPCI-A-6-1b	EVT-1		NA	NA	1	ACCEPTABLE
008577	LPCI-A-6-1c	EVT-1		NA	NA	1	ACCEPTABLE
008578	LPCI-A-6-1d	EVT-1		NA	NA	1	ACCEPTABLE
008579	LPCI-A-6-4	EVT-1		NA	NA	1	ACCEPTABLE
008580	LPCI-A-6-5a	EVT-1		NA	NA	1	ACCEPTABLE
008581	LPCI-A-6-5b	EVT-1		NA	NA	1	ACCEPTABLE
008582	LPCI-A-6-6b	EVT-1		NA	NA	1	ACCEPTABLE
008583	Surveillance Speci Brackets	VT-1		NA	NA	1	ACCEPTABLE, SEE NOTE 3
008584	St Dryer Supp Brackets	EVT-1		NA	NA	1	ACCEPTABLE, SEE NOTE 4
008585	Guide Rod attachments	VT-1		NA	NA	1	ACCEPTABLE
008586	St Separator Lower Bracket	VT-3		NA	NA	1	ACCEPTABLE, SEE NOTE 5
008587	Steam Dryer	EVT-1		NA	NA	NA	ACCEPTABLE, SEE NOTE 6
008588	JP Wedges (only 4)	VT-1		NA	NA	1	ACCEPTABLE
009050	CH-C-2	MT	UT	B1.40	B-A	1	ACCEPTABLE, NOTE 1
101020	1-MS-ASA-1-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
103220	1-MS-BSD-1-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
103420	1-MS-BSE-1-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
105620	1-MS-CSE-1-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
111140	1-FW-1-3-2	UT-E		R1.11	R-A	1	ACCEPTABLE
111700	1-FW-1-6Q1	UT-E		R1.11	R-A	1	ACCEPTABLE
111730	1-FW-1-4-2	UT-E		R1.11	R-A	1	ACCEPTABLE
111920	1-FW-1-6-3	UT-E		R1.11	R-A	1	ACCEPTABLE
134700	1-RR-A-1	MECH UT		NA	NA	1	ACCEPTABLE, NOTE 1

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10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
134990	1-RR-A-4A	UT-E		R1.20	R-A	1	ACCEPTABLE
136240	1-RR-A-CRW-2-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
136600	1-RR-B-1	MECH UT		NA	NA	1	ACCEPTABLE, NOTE 1
136880	1-RR-B-4PR-1-WA	PT		B10.20	B-K	1	ACCEPTABLE
138240	1-RR-B-CRW-2-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
141660	1-LP-1-12	UT-E		R1.11	R-A	1	ACCEPTABLE
165300	1-RH-20-7	UT		NA	NA	1	ACCEPTABLE, NOTE 1
165320	1-RH-20-4-2	UT		NA	NA	1	ACCEPTABLE
165340	1-RH-20-4-3	UT		NA	NA	1	ACCEPTABLE
165440	1-RH-20-6	UT		NA	NA	1	ACCEPTABLE
173000	1-RT-36-7	UT		NA	NA	1	ACCEPTABLE, NOTE 1
173020	1-RT-36-4-3	UT		NA	NA	1	ACCEPTABLE
173040	1-RT-36-4-2	UT		NA	NA	1	ACCEPTABLE
173050	1-RT-36-6A	UT		NA	NA	1	ACCEPTABLE
173400	1-RT-36-1A	UT		NA	NA	1	ACCEPTABLE, NOTE 1
173420	1-RT-36-3-3	UT		NA	NA	1	ACCEPTABLE
173440	1-RT-36-3-2	UT		NA	NA	1	ACCEPTABLE
173450	1-RT-36-1C	UT		NA	NA	1	ACCEPTABLE
230640	1B33-F060A	VT-1		B7.70	B-G-2	1	ACCEPTABLE
230760	1E12-F010	VT-1		B7.70	B-G-2	1	ACCEPTABLE
230780	1E12-F039A	VT-1		B7.70	B-G-2	1	ACCEPTABLE
230900	1E12-F042A	VT-1		B7.70	B-G-2	1	ACCEPTABLE
575640	1-RH-26-3	UT-WT		R1.13	R-A	2	ACCEPTABLE
575680	1-RH-26-2-3	UT-WT		R1.13	R-A	2	ACCEPTABLE
800100	RHR-A-1	MT		C6.10	C-G	2	ACCEPTABLE
800160	RHR-A-4	MT		C6.10	C-G	2	ACCEPTABLE
801500	LPCS-1	MT		C6.10	C-G	2	ACCEPTABLE
801560	LPCS-4	MT		C6.10	C-G	2	ACCEPTABLE
802500	HPCS-1	MT		C6.10	C-G	2	ACCEPTABLE
802580	HPCS-5	MT		C6.10	C-G	2	ACCEPTABLE
945015	1SX22003A-WA	VT-1		D1.20	D-A	3	ACCEPTABLE
945895	1SX28009A-WA	VT-1		D1.20	D-A	3	ACCEPTABLE

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 1 Notes

1. Owner: Amergen Energy Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087
2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727
3. Plant Unit: 1
4. Owner Certificate of Autherization: N/A
5. Commercial Service Date: 4-24-87
6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations

Note 1:

The examination coverage for these welds, N1B, N2B, N2C, N2D, N2E, CH-C-2, 1-RR-A-1, 1-RR-B-1, 1-RH-20-7, 1-RT-36-7, AND 1-RT-36-1A was less than 90.0%. A relief request will be submitted.

Note 2:

SRM – During the last outage, C1R09, dry tube 38-35, SRM 'D', linear indications were noted above the tube to primary pressure boundary fillet weld, on the non-pressure boundary side. The indications had both horizontal and vertical components. This is not an ASME Section XI item. This dry tube was replaced during C1R10.

Note 3:

Surveillance Specimen Brackets -- Surveillance Specimen Brackets @ 003 and 177 degrees were examined during C1R09 and it was identified that both lower tack welds on the attachment bracket were observed to be cracked. This is located outside the Section XI examination boundary. During this outage, C1R10, this crack was monitored. See attachment 2 for further details.

Note 4:

Steam Dryer Support Brackets – During C1R09 it was identified that several steam dryer support brackets appear to have contact marks and some do not have any contact marks with the steam dryer. This is not an ASME Section XI item. During C1R10, these brackets were examined and determined no changes.

Note 5:

Steam Separator Lower Bracket -- During the C1R09 separator examination of the lower guide at zero degrees, it was observed that the lower left outside corners were found with mechanical deformation. During C1R10 outage this was examined and determined that this deformation has not changed. However, another mechanical deformation was observed on the inside portion of the guide. Upon review of the C1R09 outage tape on the separator lower guide at zero degrees, this indication was observed. This is not an ASME Section XI item. See attachment 2 for further details.

Note 6:

Steam Dryer –
1- A minor mechanical deformation was identified at the bottom of the drain channel #5 during C1R10. See attachment 2 for further details.
2- During the C1R10 outage 2 indications were observed in the steam dryer bank # 5 horizontal weld H3 weld. One indication is located under the tie bar 28 in the H3 weld and is approximately 2.75 inches in length. The second indication is located under the tie bar number 30 and is in the H3 weld also. This indication is 2.25 inches in length. See attachment 2 for further details.
3- Several linear indications were identified in the upper ring in the steam dryer. These indications are in the bank bottom plate just above the bank bottom plate to splice bar weld. See attachment 2 for further details.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 2

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727

3. Plant Uni: 1 4. Owner Certificate of Autherization: N/A

5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
903900	1MC-9A	VT-3		F1.10	F-A	1	ACCEPTABLE
908310	1LP04003R	VT-3		F1.20	F-A	2	ACCEPTABLE
909030	4006	VT-3		F1.10	F-A	1	ACCEPTABLE
909155	1H101C(B)	VT-3		F1.10	F-A	1	ACCEPTABLE
909310	1MS07002G	VT-3		F1.20	F-A	2	ACCEPTABLE
912020	1RH01005A	VT-3		F1.10	F-A	1	ACCEPTABLE
912205	1RH06008R	VT-3		F1.10	F-A	1	ACCEPTABLE
913105	1RH09021R	VT-3		F1.20	F-A	2	ACCEPTABLE
913370	1RH08028V	VT-3		F1.20	F-A	2	ACCEPTABLE
913710	1RH04002X	VT-3		F1.20	F-A	2	ACCEPTABLE
913890	1RH11001V	VT-3		F1.20	F-A	2	ACCEPTABLE
913900	1RH11006A	VT-3		F1.20	F-A	2	ACCEPTABLE
916735	1RH07074X	VT-3		F1.20	F-A	2	ACCEPTABLE
917300	1RH04018G	VT-3		F1.20	F-A	2	ACCEPTABLE
919145	1RI01010W	VT-3		F1.10	F-A	1	ACCEPTABLE
920265	1RI08002G	VT-3		F1.20	F-A	2	ACCEPTABLE
921220	1SD270-SP13	VT-3		F1.20	F-A	2	ACCEPTABLE
922005	1B302A	VT-3		F1.40	F-A	1	ACCEPTABLE
922255	1H352A	VT-3		F1.10	F-A	1	ACCEPTABLE
923215	1RT01088A	VT-3		F1.10	F-A	1	ACCEPTABLE
940725	1SX01004R	VT-3		F1.30	F-A	3	ACCEPTABLE
941790	1SX02007R	VT-3		F1.30	F-A	3	ACCEPTABLE
942595	1SX20001V	VT-3		F1.30	F-A	3	ACCEPTABLE
942965	1SX10010R	VT-3		F1.30	F-A	3	ACCEPTABLE
945010	1SX22003A	VT-3		F1.30	F-A	3	ACCEPTABLE
945890	1SX28009A	VT-3		F1.30	F-A	3	ACCEPTABLE

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 box 228, Clinton, IL 61727

3. Plant Uni: 1 4. Owner Certificate of Autherization: N/A

5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
903820	1FW01010S	VT-3	FT	F1.10	F-A	1	Acceptable
903825	1FW01011S	VT-3	FT	F1.10	F-A	1	Acceptable
903750	1FW02007S	VT-3	FT	F1.10	F-A	1	Acceptable
903795	1FW02010S	VT-3	FT	F1.10	F-A	1	Acceptable
903800	1FW02011S	VT-3	FT	F1.10	F-A	1	Acceptable
903805	1FW02012S	VT-3	FT	F1.10	F-A	1	Acceptable
909259	1MS05013S	VT-3	FT	F1.10	F-A	1	Acceptable
909261	1MS05021S	VT-3	FT	F1.10	F-A	1	Acceptable
909274	1MS05022S	VT-3	FT	F1.10	F-A	1	Acceptable
909276	1MS05023S	VT-3	FT	F1.10	F-A	1	Acceptable
909271	1MS05024S	VT-3	FT	F1.10	F-A	1	Acceptable
909272	1MS05025S	VT-3	FT	F1.10	F-A	1	Acceptable
909277	1MS05026S	VT-3	FT	F1.10	F-A	1	Acceptable
909263	1MS05027S	VT-3	FT	F1.10	F-A	1	Acceptable
909258	1MS05028S	VT-3	FT	F1.10	F-A	1	Acceptable
909278	1MS05034W	VT-3	FT	F1.10	F-A	1	Acceptable
909279	1MS05035S	VT-3	FT	F1.10	F-A	1	Acceptable
909283	1MS38002S	VT-3	FT	F1.10	F-A	1	Acceptable
906030	1MS38028S	VT-3	FT	F1.10	F-A	1	Acceptable
909256	1NB01002S	VT-3	FT	F1.10	F-A	1	Acceptable
909291	1NB01006S	VT-3	FT	F1.10	F-A	1	Acceptable
909285	1NB01014S	VT-3	FT	F1.10	F-A	1	Acceptable
909295	1RB31514S	VT-3	FT	F1.10	F-A	1	Acceptable
909289	1RB31516S	VT-3	FT	F1.10	F-A	1	FT Unacceptable
909297	1RB31529S	VT-3	FT	F1.10	F-A	1	FT Unacceptable
909298	1RB32520S	VT-3	FT	F1.10	F-A	1	Acceptable
909296	1RB33516S	VT-3	FT	F1.10	F-A	1	Acceptable
909284	1RB34512S	VT-3	FT	F1.10	F-A	1	Acceptable
919270	1RI08034S	VT-3	FT	F1.10	F-A	1	Acceptable
919280	1RI18002S	VT-3	FT	F1.10	F-A	1	Acceptable
923005	1RT01002S	VT-3	FT	F1.10	F-A	1	Acceptable
923010	1RT01003S	VT-3	FT	F1.10	F-A	1	FT Unacceptable
923090	1RT01035S	VT-3	FT	F1.10	F-A	1	Acceptable
909065	1S101B	VT-3	FT	F1.10	F-A	1	Acceptable
909260	1S102D	VT-3	FT	F1.10	F-A	1	Acceptable
909190	1S106C	VT-3	FT	F1.10	F-A	1	Acceptable
909095	1S107B	VT-3	FT	F1.10	F-A	1	Acceptable

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 box 228, Clinton, IL 61727

3. Plant Uni: 1 4. Owner Certificate of Autherization: N/A

5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
903880	1HG01007S	VT-3	FT	F1.20	F-A	2	Acceptable
903878	1HG16011S	VT-3	FT	F1.20	F-A	2	Acceptable
906340	1HP03014S	VT-3	FT	F1.20	F-A	2	Acceptable
906215	1HP03028S	VT-3	FT	F1.20	F-A	2	Acceptable
906320	1HP03032S	VT-3	FT	F1.20	F-A	2	Acceptable
906240	1HP04006S	VT-3	FT	F1.20	F-A	2	Acceptable
906706	1IS01033S	VT-3	FT	F1.20	F-A	2	Acceptable
906722	1IS01040S	VT-3	FT	F1.20	F-A	2	Acceptable
906698	1IS01046S	VT-3	FT	F1.20	F-A	2	Acceptable
906714	1IS01053S	VT-3	FT	F1.20	F-A	2	Acceptable
906734	1IS04015S	VT-3	FT	F1.20	F-A	2	Acceptable
906736	1IS04018S	VT-3	FT	F1.20	F-A	2	Acceptable
908350	1LP04012S	VT-3	FT	F1.20	F-A	2	Acceptable
909376	1MS38093S	VT-3	FT	F1.20	F-A	2	Acceptable
909358	1RB21595S	VT-3	FT	F1.20	F-A	2	Acceptable
909338	1RB21596S	VT-3	FT	F1.20	F-A	2	Acceptable
909334	1RB21599S	VT-3	FT	F1.20	F-A	2	Acceptable
909364	1RB21637S	VT-3	FT	F1.20	F-A	2	Acceptable
909336	1RB24565S	VT-3	FT	F1.20	F-A	2	Acceptable
909362	1RB24566S	VT-3	FT	F1.20	F-A	2	Acceptable
909366	1RB24568S	VT-3	FT	F1.20	F-A	2	Acceptable
909340	1RB24569S	VT-3	FT	F1.20	F-A	2	Acceptable
909368	1RB24575S	VT-3	FT	F1.20	F-A	2	Acceptable
909342	1RB24576S	VT-3	FT	F1.20	F-A	2	Acceptable
909396	1RB31597S	VT-3	FT	F1.20	F-A	2	Acceptable
913445	1RH07058S	VT-3	FT	F1.20	F-A	2	Acceptable
916690	1RH07067S	VT-3	FT	F1.20	F-A	2	Acceptable
913563	1RH07107S	VT-3	FT	F1.20	F-A	2	Acceptable
916420	1RH07119S-E	VT-3	FT	F1.20	F-A	2	Acceptable
916430	1RH07119S-W	VT-3	FT	F1.20	F-A	2	Acceptable
915620	1RH07122S	VT-3	FT	F1.20	F-A	2	Acceptable
914225	1RH09056S	VT-3	FT	F1.20	F-A	2	Acceptable
914030	1RH09068S	VT-3	FT	F1.20	F-A	2	Acceptable
913125	1RH09075S	VT-3	FT	F1.20	F-A	2	Acceptable
915150	1RH16013S-E	VT-3	FT	F1.20	F-A	2	Acceptable
915200	1RH16013S-W	VT-3	FT	F1.20	F-A	2	Acceptable
915000	1RH17002S	VT-3	FT	F1.20	F-A	2	Acceptable

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 box 228, Clinton, IL 61727

3. Plant Uni: 1 4. Owner Certificate of Autherization: N/A

5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
916800	1RH23005S	VT-3	FT	F1.20	F-A	2	Acceptable
915960	1RH62037S	VT-3	FT	F1.20	F-A	2	Acceptable
920350	1RI02018S	VT-3	FT	F1.20	F-A	2	Acceptable
921140	1RT08003S	VT-3	FT	F1.20	F-A	2	Acceptable
909560	1FC03081S	VT-3	FT	F1.30	F-A	3	Acceptable
911280	1MS10705S	VT-3	FT	F1.30	F-A	3	Acceptable
911260	1MS10806S	VT-3	FT	F1.30	F-A	3	Acceptable
911265	1MS10808S	VT-3	FT	F1.30	F-A	3	Acceptable
911295	1MS10909S	VT-3	FT	F1.30	F-A	3	Acceptable
911300	1MS10910S	VT-3	FT	F1.30	F-A	3	Acceptable
910025	1MS21006S	VT-3	FT	F1.30	F-A	3	Acceptable
910325	1MS22007S	VT-3	FT	F1.30	F-A	3	Acceptable
910145	1MS26004S	VT-3	FT	F1.30	F-A	3	Acceptable
910175	1MS26010S	VT-3	FT	F1.30	F-A	3	Acceptable
910475	1MS27012S	VT-3	FT	F1.30	F-A	3	Acceptable
911055	1MS30002S	VT-3	FT	F1.30	F-A	3	Acceptable
911110	1MS30013S	VT-3	FT	F1.30	F-A	3	Acceptable
910085	1MS32003S	VT-3	FT	F1.30	F-A	3	Acceptable
910115	1MS32009S	VT-3	FT	F1.30	F-A	3	Acceptable
910400	1MS33009S	VT-3	FT	F1.30	F-A	3	Acceptable
910615	1MS34004S	VT-3	FT	F1.30	F-A	3	Acceptable
910885	1MS35010S	VT-3	FT	F1.30	F-A	3	Acceptable
909440	1RH09081S	VT-3	FT	F1.30	F-A	3	Acceptable
925300	1RT02026S	VT-3	FT	F1.30	F-A	3	Acceptable
924915	1RT02072S	VT-3	FT	F1.30	F-A	3	Acceptable
924980	1RT02084S	VT-3	FT	F1.30	F-A	3	Acceptable
924320	1RT03002S	VT-3	FT	F1.30	F-A	3	Acceptable
925050	1RT05006S	VT-3	FT	F1.30	F-A	3	Acceptable
925005	1RT05024S	VT-3	FT	F1.30	F-A	3	Acceptable
924215	1RT05052S	VT-3	FT	F1.30	F-A	3	Acceptable
924160	1RT05069S	VT-3	FT	F1.30	F-A	3	Acceptable
924025	1RT06006S	VT-3	FT	F1.30	F-A	3	Acceptable
924045	1RT06009S	VT-3	FT	F1.30	F-A	3	Acceptable
924055	1RT06015S	VT-3	FT	F1.30	F-A	3	Acceptable
924060	1RT06018S	VT-3	FT	F1.30	F-A	3	Acceptable
924090	1RT06040S	VT-3	FT	F1.30	F-A	3	Acceptable
924110	1RT07014S	VT-3	FT	F1.30	F-A	3	Acceptable

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 box 228, Clinton, IL 61727

3. Plant Uni: 1 **4. Owner Certificate of Autherization: N/A**

5. Commercial Service Date: 4-24-87 **6. National Board Number for Unit: N/A**

10. Abstract of Examinations: Listing of Scheduled Examinations.

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
924285	1RT07022S	VT-3	FT	F1.30	F-A	3	Acceptable
924115	1RT07028S	VT-3	FT	F1.30	F-A	3	Acceptable
925600	1RT30002S	VT-3	FT	F1.30	F-A	3	Acceptable
947900	1MS07019S	VT-3	FT	NA	NA	D	Acceptable
948040	1MS07048S	VT-3	FT	NA	NA	D	Acceptable
903850	1DG06008S	VT-3	FT	NA	NA	O	Acceptable

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4

1. Owner: Amergen Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087

2. Plant: Clinton Power Station, RR3 box 228, Clinton, IL 61727

3. Plant Uni: 1 **4. Owner Certificate of Autherization: N/A**

5. Commercial Service Date: 4-24-87 **6. National Board Number for Unit: N/A**

10. Abstract of Examinations: Listing of Scheduled Examinations.

ITEM IDENTIFICATION	EXAM TYPE	CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
ALL CLASS 1 COMPONENTS	VT-2	B15.10.50.60.70	BP-2	1	ACCEPTABLE, SEE NOTE 1

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 1

TABLE 4 Notes

1. Owner: Amergen Energy Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087
2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727
3. Plant Unit: 1
4. Owner Certificate of Autherization: N/A
5. Commercial Service Date: 4-24-87
6. National Board Number for Unit: N/A

10. Abstract of Examinations: Listing of Scheduled Examinations

Note 1: Pressure Tests

Class 1 Components

A system leakage test and VT-2 inspection of ASME Class 1 components was performed prior to plant startup.

Condition noted: Only minor leakage from valve packing and bolted flanged connections was noted.

Corrective measures: Leakage was corrected to acceptable levels.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

ATTACHMENT 2

1. Owner: AmerGen Energy Co., LLC, 965 Chesterbrook Blvd., Wayne, PA 19087
2. Plant: Clinton Power Station, RR3 Box 228, Clinton, IL 61727
3. Plant Unit: 1
4. Owner Certificate of Authorization: N/A
5. Commercial Service Date: 4-24-87
6. National Board Number for Unit: N/A

10. Abstract of Examinations:

Examinations:

RPV Surveillance Specimen Brackets –

Condition Noted – During the C1R09 (2004) outage examination of the Surveillance Specimen Brackets located at 003 deg. And 177 deg., both lower tack welds on the attachment brackets were observed cracked. This is located outside the Section XI examination boundary. During C1R10 (2006) outage these brackets were examined and no crack growth was identified.

Corrective Measures – Clinton Power Station has evaluated this and justified continued operation. These tack welds are outside the examination boundary.

Steam Separator –

Condition Noted – During C1R09 (2004) examination of the separator's lower guide at zero degrees, it was observed that the left outside corners have mechanical deformation. During C1R10 (2006) outage this was examined and determined that this deformation has not changed. However, another mechanical deformation was observed on the inside portion of the guide. Upon review of the C1R09 outage tape on the separator lower guide at zero degrees, this indication was observed. This is not an ASME Section XI item.

Corrective Measures – Clinton Power Station has evaluated these deformations and justified continued operation. There are no apparent cracks or missing pieces.

Steam Dryer –

Clinton Power station has examined the steam dryer in accordance with the requirements of the BWR Owner's Group Vessel Internals Project (BWRVIP) document 139. The following were identified. The steam dryer is not addressed in ASME Section XI.

1 - Condition Noted – A minor mechanical deformation was identified at the bottom of the drain channel #5 during C1R10.

Corrective Measures - Clinton Power Station has evaluated this deformation and justified continued operation.

2 – Condition Noted - During the C1R10 outage 2 indications were observed in the steam dryer bank # 5 horizontal weld H3 weld. One indication is located under the tie bar 28 in the H3 weld and is approximately 2.75 inches in length. The second indication is located under the tie bar number 30 and is in the H3 weld also. This indication is 2.25 inches in length. See attachment 2 for further details.

Corrective Measures – These two (2) indications were repaired by stop drill method.

3 – Condition Noted - Several linear indications were identified in the upper ring in the steam dryer. These indications are in the bank bottom plate just above the bank bottom plate to splice bar weld.

Corrective Measures - Clinton Power Station has evaluated this deformation and justified continued operation.

Snubbers Functional testing –

An initial sample (10% of each type) of fifty-nine (59) snubbers was selected from the population of five hundred seventy-one (571) snubbers. During the performance of initial sample testing, three (3) snubbers (two type 1 and one type 2) failed to meet functional testing acceptance criteria. Type 1 snubbers consist of PSA-¼ and ½ sizes and type 2 snubbers consist of PSA-1, 3 and 10 sizes.

- An additional ten (10) type 1 snubbers were selected for functional testing. No failures occurred in this additional sample.

- An additional sixteen (16) type 2 snubbers were selected for functional testing. No failures occurred in this additional sample.

One (1) type 2 snubber was functionally tested after it was determined that a portion of a temporary shielding package was being supported by its extension piece. Functional test results were acceptable.

Additional snubbers removed from the plant for functional testing or preventive maintenance included:

- Nine (9) snubbers that had failed functional testing in C1R09,
- Seven (7) snubbers tested as an augmented inspection for corrective action 205123-09, and
- Five (5) snubbers that were identified as degraded during C1R09 and tested as part of the Service Life Monitoring Program.

Ten (10) type 1 snubbers were removed from the plant to allow first-time preventive maintenance (PM) activity performance. In addition, all ten (10) of the type 1 snubbers selected for the initial 10% sample plan also had PMs performed on them after as-found functional testing.

Overall, one hundred and seventeen (117) snubbers were removed from the plant. One hundred and seven (107) were functionally tested and the remaining ten (10) had preventive maintenance activities performed on them.

Type 1 Snubbers -

There are ninety-five (95) type 1 snubbers in the CPS ISI Program. Ten (10) of these were selected for testing under the initial 10% sample plan. These ten (10) snubbers also had first-time preventive maintenance (PM) activities performed on them. Two (2) snubbers, 1RB31516S and 1RB31529S, failed to meet the functional testing acceptance criteria. Issue Reports 452743 and 452706 were generated. These two snubbers were disassembled for evaluation. The results of these evaluations were:

- 1RB31516S – The evaluation found that the snubber had been over greased at one time. The grease had dried due to exposure to heat and formed a thin layer of hardened grease on the screw shaft and bearings.

- 1RB31529S – The evaluation found very dry grease (powder) with the plating inside and outside discolored from exposure to extreme heat. The snubber had locked up due to lack of lubrication.

Due to these failures, ten (10) snubbers (5% for each failure or 5 for each failure) were selected for testing. All ten (10) snubbers passed the functional testing acceptance criteria.

Three (3) snubbers, 1MS05022S, 1RB24566S and 1RT06018S, were identified in C1R09 as degraded and included in the C1R10 testing plan for trending purposes. All three (3) snubbers passed the functional testing acceptance criteria.

Eight (8) snubbers, 1MS10705S, 1MS10808S, 1MS10909S, 1MS10910S, 1MS38028S, 1MS38093S, 1RB21596S and 1RB24575S, failed functional testing performed in C1R09 and were included in the testing plan as required. One (1) snubber, 1RB21596S, failed to meet the functional testing acceptance criteria and one (1) snubber, 1MS10909S, was the incorrect size (P-¼ vice the required P-½). Issue Reports 451218 and 450094 were generated. 1MS10909S passed the as-found functional testing acceptance criteria and was replaced with the correct size (P-1/2) snubber. 1RB21596S was disassembled for evaluation with the following results:

- 1RB21596S – The evaluation found the rod guide assembly twisted or bent causing the snubber to have high drags, leading to the snubber locking up in the final drag test. This was the second straight outage this snubber has failed to meet the functional testing acceptance criteria for this reason. Replacement snubber installation activities were observed to ensure the snubber was not being twisted during installation. No alignment problems were noted.

As required by the ORM, piping components on which these snubbers are installed were analyzed to ensure the integrity of the piping component. The results were satisfactory and documented in Engineering Change (EC) 359401.

Due to the large number of type 1 failures seen in C1R09 and in response to Issue Report 205123, CPS began a PM program on type 1 snubbers in C1R10. 20% of all type 1 snubbers had an external visual inspection, disassembly, internal inspection, cleaning, regreasing and reassembly performed. The NRRG-159 grease originally used was replaced by NRRG-2 grease, which is less susceptible to drying out from high irradiation. Twenty (20) snubbers were selected. Ten (10) were from the initial 10% sample plan population and the other ten (10) were randomly selected. Three (3) snubbers, 1MS05028S, 1RT06009S and 1RT06040S, were replaced due to PM inspection indications. An indication noted on one (1) snubber, 1RB31514S, was corrected during reassembly activities. This snubber passed post-PM functional testing and was not replaced. Issue Reports 451728, 455499 and 455870 were generated to document these results. Indications noted during the PM activities on these four (4) snubbers included:

1MS05028S – The inspection identified the rod and bearing assembly as bent. Most probable cause was something heavy being placed on it. The tip of the screw shaft was also found mushroomed at the end of the housing.

- 1RB31514S – The inspection found the upper keeper ring dislodged.

- 1RT06009S – The inspection found the shaft bent on the torque carrier and shaft assembly.

- 1RT06040S – The inspection found water damage on all internal parts with corrosion and dried grease noted.

This PM will continue in C1R11 and beyond until all 95 type 1 snubbers have been rebuilt. No additional snubbers were selected for testing as a result of these PMs, since these snubbers were not part of the original 10% sample plan or the expanded sample population for type 1 snubbers.

1MS05028S – The inspection identified the rod and bearing assembly as bent. Most probable cause was something heavy being placed on it. The tip of the screw shaft was also found mushroomed at the end of the housing.

- 1RB31514S – The inspection found the upper keeper ring dislodged.

- 1RT06009S – The inspection found the shaft bent on the torque carrier and shaft assembly.

- 1RT06040S – The inspection found water damage on all internal parts with corrosion and dried grease noted.

This PM will continue in C1R11 and beyond until all 95 type 1 snubbers have been rebuilt. No additional snubbers were selected for testing as a result of these PMs, since these snubbers were not part of the original 10% sample plan or the expanded sample population for type 1 snubbers.

Type 2 Snubbers -

There are three hundred and seventeen (317) type 2 snubbers in the CPS ISI Program. Thirty-two (32) were selected for testing under the initial 10% sample plan. One (1) snubber, 1RT01035S, was replaced due to degraded functional testing results. One (1) snubber, 1RT01003S, failed to meet the functional testing acceptance criteria. Issue Report 451704 was generated. This snubber was disassembled for evaluation. The results of this evaluation were:

1RT01003S – The evaluation found that the snubber had dried grease throughout the entire snubber body. Vibration wear on the thrust bearing and ball screw assembly were also noted.

Due to this failure, sixteen (16) snubbers (5% of total population) were selected for testing. All sixteen (16) snubbers passed the functional testing acceptance criteria.

As required by the ORM, piping components on which this snubber is installed were analyzed to ensure the integrity of the piping component. The results were satisfactory and documented in Engineering Change (EC) 359401.

One (1) snubber, 1FC03081S, was tested as required due to failing in C1R09. This snubber passed the functional testing acceptance criteria.

Six (6) snubbers, 1MS10806S, 1MS38002S, 1RI02018S, 1RI08034S, 1RT07022S and 1RT08003S were selected for testing in response to corrective action item 205123-09. All six (6) snubbers passed the functional testing acceptance criteria.

One (1) snubber, 1MS05024S, was tested due to a portion of a temporary shielding package being supported from its extension piece. Issue Report 452257 was generated. This snubber passed the functional testing acceptance criteria.

Type 3 Snubbers -

There are one hundred and seventeen (117) type 3 snubbers in the CPS ISI Program. Twelve (12) were selected for testing under the initial 10% sample plan. All twelve (12) snubbers passed the functional testing acceptance criteria. One (1) snubber, 1MS30002S, was replaced due to degraded functional testing results.

Two (2) snubbers, 1MS26010S and 1MS30013S, were identified as degraded in C1R09 and included in the C1R10 testing plan for trending purposes. Both snubbers passed the functional testing acceptance criteria.

One (1) snubber, 1RH09056S, was selected for testing in response to corrective action item 205123-09. This snubber passed the functional testing acceptance criteria.

Type 4 Snubbers -

There are four (4) type 4 snubbers in the CPS ISI Program. One (1) snubber was selected for

testing under the initial 10% sample plan. This snubber passed the functional testing acceptance criteria.

Type 6 Snubbers -

There are thirty-eight (38) type 6 snubbers in the CPS ISI Program. Four (4) were selected for testing under the initial 10% sample plan. All four (4) snubbers passed the functional testing acceptance criteria. One (1) snubber, 1S101B, was replaced to allow sampling and analysis of its hydraulic fluid and seals. Test results will be used to develop a fluid and seal replacement frequency.

SECTION 3

LISTING OF EXAMINATION AND TESTING PROCEDURES

This section provides a listing of all examination and testing procedures utilized during this inspection period. This listing includes only the procedures used for testing, examination and associated calibration of equipment. The contractor procedure records are available and located in the Document Record Center files under record type 2E.220 or 3A.117 for the C1R10 outage.

Procedure	Procedure Name	Revision Number	DRR Number
386HA480 Rev. 19 Add 1	Certification of Nondestructive Personnel	Rev 1	N/A
386HA480	Certification of Nondestructive Examination Personnel	19	N/A
GE-ADM-1001	Procedure for Performing Linearity Checks on Ultrasonic Instruments	4	N/A
GE-ADM-1002	Procedure for Nondestructive Examination Data Review and Analysis of Recorded Indications	4	N/A
GE-ADM-1005	Procedure for Zero Reference and Data Recording for Nondestructive Examinations	0	N/A
GE-ADM-1025	Procedure for Training and Qualification of Personnel for GE-NE Specialized NDE Applications	9	N/A
GE-ADM-1029	Administrative Instruction for Establishing and Maintaining a Foreign Material Exclusion Area	1	N/A
GE-ADM-1048	Procedure for Training of Personnel Per ASME Section XI, Appendix VII, Appendix VIII, and USNRC Requirements	3	N/A
GE-ADM-1052	Operational Guidelines for the Micro-Tomo Ultrasonic Data Acquisition System	0	N/A
GE-ADM-1056	Procedure for Operational Guidelines for Phased Array	0	N/A
GE-ADM-1059	Computer Measurements of Digitized Images	2	N/A

Procedure	Procedure Name	Revision Number	DRR Number
GE-ADM-1061	Administrative Procedure for In-Vessel Inspection (IVVI) GE Proprietary	0	N/A
GE-ADM-1062	Procedure for Determining and Documenting Examination Requirements for Risk-Informed Inspections	0	N/A
GE-ADM-2031	Procedure for the Determination of the GERIS 2000 OD Data Acquisition System Linearity	2	N/A
GE-MT-100	Procedure for Magnetic Particle Examination (Dry Particle, Color Contrast or Wet Particle, Fluorescent)	6	06-02
GE-PDI-UT-1	PDI Generic Procedure for the Ultrasonic Examination of Ferritic Piping Welds	4	N/A
GE-PDI-UT-10	PDI Generic Procedure for the Ultrasonic Examination of Dissimilar Metal Piping Welds	1	05-41
GE-PDI-UT-2	PDI Generic Procedure for the Ultrasonic Examination of Austenitic Pipe Welds	3	05-40
GE-PDI-UT-3	PDI Generic Procedure for the Ultrasonic Through Wall Sizing in Pipe Welds	1	N/A
GE-PDI-UT-5	PDI Generic Procedure for Straight Beam Ultrasonic Examination of Bolts and Studs	2	N/A
GE-PDI-UT-6	PDI Generic Procedure for the Manual Ultrasonic Examination of Reactor Pressure Vessel Welds	0	N/A
GE-PDI-UT-7	PDI Generic Procedure for the Manual Ultrasonic Through Wall and Length Sizing of Ultrasonic Indications in Reactor Pressure Vessel Welds	0	N/A
GE-PT-100	Procedure for Liquid Penetrant Examination Using Fluorescent and Visible Dye Liquid Penetrant Inspection Methods	5	N/A
GE-UT-105	Procedure for Manual Examination of Piping Welds Outside the scope of PDI	7	N/A
GE-UT-209	Procedure for Automated Ultrasonic for Examination of Dissimilar Metal Welds, and Nozzle to Safe End Welds	18	N/A
GE-UT-240	Procedure For Automated Phased Array Ultrasonic Flaw Detection And Length Sizing In Austenitic And Ferritic Piping	2	N/A

Procedure	Procedure Name	Revision Number	DRR Number
	Welds		
GE-UT-246	Procedure for Automated Ultrasonic flaw Depth Sizing in Austenitic and Ferritic Piping Welds	3	06-03
GE-UT-300	Procedure for Manual Examination of Reactor Pressure Vessel Assembly Welds	10	N/A
GE-UT-304	Procedure for Manual Ultrasonic Planar Flaw Sizing in Vessel Materials	8	N/A
GE-UT-308	Procedure for Manual Examination of the RPV Threads in Flange	3	N/A
GE-UT-309	Procedure for Manual Ultrasonic Planar Flaw Sizing of Nozzle Inner Radius and Bore Regions	10	N/A
GE-UT-311	Procedure for Manual Ultrasonic Examination of Nozzle Inner Radii And Bore	13	N/A
GE-UT-601	Procedure for Ultrasonic Thickness Measurements for Erosion/Corrosion	1	N/A
GE-UT-605	Procedure for the Performance of Thickness and Contour Measurements	2	N/A
GE-UT-704	Procedure for the Examination of Reactor Pressure Vessel Welds with GERIS OD in accordance with Appendix VIII	8	N/A
GE-UT-705	Procedure for the Examination of Reactor Pressure Nozzle Inner Radius and Nozzle to Vessel Welds With the GERIS 2000 OD in accordance with Appendix VIII	5	N/A
GE-UT-706	Procedure for RPV Flaw sizing with the GERIS 2000 OD System	2	05-21
GE-VT-101	Procedure for VT-1 Examination	2	06-01
GE-VT-103	Procedure for VT-3 Examination	5	N/A

Procedure	Procedure Name	Revision Number	DRR Number
VT-CLN-206V7	Procedure for In-Vessel Visual Inspection (IVVI) of BWR 6 RPV Internals	0	N/A
BPI-9-XI	Basic-PSA Inc. Nondestructive Examination VT-Personnel	2	N/A
TR-954	Basic-PSA Inc. Operation Procedure for the Barker/Diacon S4000 NM Snubber Test Machine	2	N/A
ER-AA-335-002	Liquid Penetrant Examination	3	N/A
ER-AA-335-003	Magnetic Particle Examination	3	N/A
ER-AA-335-005	Radiographic Examination	2	N/A
ER-AA-335-014	VT-1 Visual Examination	2	N/A
ER-AA-335-015	VT-2 Visual Examination	5	N/A
ER-AA-335-016	VT-3 Visual Examination of Component Supports, Attachments and Interiors of Reactor Vessel	3	N/A
ER-AA-335-017	VT-3 Visual Examination of Pump and Valve Internals	3	N/A

Section 4

LISTING OF EXAMINATION AND TESTING PERSONNEL

This section identifies the contracted and company examination and testing personnel used to perform the inspection and tests during this period. These personnel have been qualified and certified in accordance with the Clinton Power Station ISI Plan and their employer's written practice.

Records and personnel qualification and certifications are located and available in the Document record Center. Basic-PSA Inc. and General Electric Co. records are stored in file 2E.200 or 3A.117.

Name	Job	MT / Lv	PT / Lv	UT/ Lv	VT-1 / Lv	VT-2 / Lv	VT-3 / Lv
Richard Alger	GERIS OD LI		II	II-L			
Arthur Angelo	RST Level II				II-L		II-L
Thomas Arbuckle	RST Level III				III-L		III-L
Michael Armstrong	RF Engineer				III-L		III-L
Charles Barrett	SMART Data Analyst			II –PDI			
Nathan Boyett	RST MODS Level II				II-L		II-L
Robert Bridges	RST Level II				II-L		II-L
James Byrd	RST Level II MODS				II-L		II-L
Gary Cameron	GERIS OD Operator			I-L			
Stephen Cox	BOP Level II	II-L	II-L	II-L	II	II	II
Lewis Deane	RST Level II				IIL		IIL
Rodney Drazich	Level III IVVI				III-L		III-L
Kenneth Earp	RST Level II MODS				II-L		II-L
Lance Eiler	BOP Snubbers (VT1&3)	II	II	II-L	II	II	II
Scott Erickson	MANUAL Level II (PDI/IGSCC)	II	II	II – PDI	II	II	II
Karen Fish	FAC Level II	I	I	II			
Kevin Fish	SMART Operator			II – PDI			

Name	Job	MT / Lv	PT / Lv	UT/ Lv	VT-1 / Lv	VT-2 / Lv	VT-3 / Lv
CE Frakes	GERIS OD Operator			II			
Jeremy Garver	RST Level II MODS				II-L		II-L
Robert Scott Getz	SMART Equip Technician			II			
John Gilliard	GERIS OD Data Analyst		III	III – PDI			
Todd Ginder	MANUAL Level II (PDI/IGSCC)	II	II	II – PDI	II	II	II
Jerry Green	Level III IVVI				III-L		III-L
Jonathan Guillote	GERIS OD Operator			II – PDI			
David Hancock	BOP Level II	II	II	II	I	I	I
David Hauser	RST Level II MODS				II-L		II-L
Thomas Higgins	RST Level II				II-L		II-L
DeWane Hill	RST Level II				II-L		II-L
Gary Holloway	RST Level II MODS				II-L		II-L
Mark Holloway	RST Level II				II-L		II-L
Troy Huhe	MANUAL Level II (PDI/IGSCC)	II	II	II – PDI			
Vivus Hurlburt	RST Level II				II		II
Michael Jenniges	Man LII (PDI/IGSCC)	II	II	II – PDI			
Nabil Kazem	RST Level II				II-L		II-L
Jon Kee	RST Level II MODS				II-L		II-L
Alan Kelly	BOP Level II	II		II – PDI			
Michael Kemp	Level III IVVI				III		III
Glenn Kilpela	SMART Level II			II-L			
Brian Knott	MANUAL Level II (PDI/IGSCC)	II	II	II – PDI	II	II	II
Michael Krueger	SMART Data Analyst			III – PDI			
Eric Lemmons	RST Level II				III-L		III-L

Name	Job	MT / Lv	PT / Lv	UT/ Lv	VT-1 / Lv	VT-2 / Lv	VT-3 / Lv
John Lessard	BOP LII	II	II	II – PDI	II	II	II
Luis Liendo	SMART Operator			II-L			
Juan Luna	GERIS OD Level I	I-T	I-T	I-T			
Chad McDonald	SMART Operator			II			
Chris Minor	GERIS OD Data Analyst	III	III	III – PDI	III		III
Wesley Money	Level III	III	III	III – PDI	III		III
Joseph Montgomery	GERIS OD Data Analyst			II – PDI			
Quinton Munn	RST Level II				II-I		II-I
Steven Neau	RST Level II				II-L		II-L
David Neau	RST Level II				II-L		II-L
Jamie Nunez	GERIS OD Level I	I-T	I-T	I-T			
John Phillips	GERIS OD LI			I-T			
Carl Pillitteri	RST Level II				II-L		II-L
Michael Pride	BOP Level II	II	II	II-L	I-T		I-T
Jack Reisewitz	GERIS OD Data Analyst			II – PDI			
Kim Robideau	BOP Snubbers (VT1&3)	II	II		II	II	II
Daniel Schroeder	RST Level II				II-L		II-L
Timothy Scott	BOP LII	II	II	II-L	II	II	II
James Setzer	Project Level III	III	III	III – PDI			
Alan Seymore	FAC Level II			II-L			
John Shea	BOP Snubbers (VT1&3)	II	II	II – PDI	II	II	II
Donald Silvas	RST Level II				II-L		II-L
Steve Snyder	ISI Coordinator	II	II	II – PDI	II	II	II
Lee Stone	FAC Lead	II	II	II-L	II		II
Clay Suhler	Manual ISI	II	II	II – PDI	II	II	II

Name	Job	MT / Lv	PT / Lv	UT/ Lv	VT-1 / Lv	VT-2 / Lv	VT-3 / Lv
Ryan Tauchen	BOP Level II	II	II	II-L	II	II	II
Michael Urban	RST Level II				II-L		II-L
Charles Van Hecke	Smart			II			
James Villa	RST Level II MODS				II-L		II-L
Donald Walter	SMART DA			III – PDI			
Bobby Walters	BOP Level II	II	II	II-L	II	II	II
Kimberly Wert	FAC DC			II-L			
David Wesho	FAC Level II	II	II	II-L			
Matthew Wilson	SMART Operator	II	II	II			
Ryan Winney	RST Level II				II-L		II-L
Hugo Winterhalter	ISI			II			
Steven Woodyard	BOP Snubbers (VT1&3)	II	II		II	II	II
Manual Barreras	Snubber Testing						II
Robert Hambor	Snubber Testing						II
Norm Thomas	Snubber Testing						II
Thomas Kilpatric	Snubber Testing						II
Tom Marshall	Snubber Testing						II
Thomas Cassat	Snubber Testing						II
Dave Anthony		III	III	III	III	III	III
Bill Burke						II	
Pat Coyle						II	
Joe Cummings						II	
Dean Robert						II	
Cory Eigenmann						II	
Dave Glenn						II	

Name	Job	MT / Lv	PT / Lv	UT/ Lv	VT-1 / Lv	VT-2 / Lv	VT-3 / Lv
Arlton Johnson						II	
Dan Mahrt						II	
Craig Procarione						II	
Randy Rohrscheib						II	
Chris Slavens						II	
Danny Vanfleet						II	
Charles Clark		II	II		III	III	III
Paul Touvannas		II	II		II	II	II
Mark Sebby		II	II		II	II	II
Jay Miller		III	III	III	III	III	III
Kevin Hall		III	III	III	III	III	III
Eric Suddick		II	II		II	II	II
Chris McKean		II	II	III	II	II	II
Tom Green		III	III	III	III	III	III
Dave Szymkiewicz						II	
Tom Parrent						II	
Clarance Windle	QCTL (RT – Level II)	II	II				
Jon Windle	QCTL (RT – Level II)	II	II				
Steve Fay	QCTL (RT – Level III)						
Mike Sterrick	QCTL (RT – Level II)						
Daid Wirfs					II	II	II

UT Level I-L or II-L is a certification limited to thickness measurements and or data collection only.

VT-1 and VT-3 Level II-L is a certification limited to the In-Vessel Visual Inspection (IVVI) only.

SECTION 5

LISTING OF EXAMINATION AND TESTING EQUIPMENT

This section provides a listing of all equipment utilized to perform the examinations during this inspection period. The equipment records are available and located in the Document Record Center files under record type 2E.180 or 3A.117.

Automated UT Systems	Reference Blocks	Transducers Continued
112264	16 CLT	010CXV
113355	1-B	02-236
133900	2-CLT	03-341
	24-CLT	03448
Couplant	36-0	04-289
05325B	40-CLT-1	04-301
	ALT 8723	04-302
Mag Particle Powders	CAL-DEPTH-042	04-303
84B011	CAL-DPTH-041	04-304
92F040	CAL-DPTH-057	04-305
98K05K	CAL-DPTH-071	04-306
	CAL-IIW2-014	04-310
Mag Yokes	CAL-RHOM-009	04-311
8646	CAL-RHOM-015	04-312
8647	CAL-RHOM-038	04-316
PAR-ACMT-069	CAL-RHOM-047	04-328
	CAL-RHOM-058	04-331
PT Cleaners	CAL-RHOM-062	04-332
00C05K	CAL-RHOM-068	04-336
05L17K	CAL-RHOM-078	04-337
	CAL-RHOM-097	04-362
PT Developer	CAL-STEP-131	04-364
99D13K	PDI ALT 8725	05-1055
	UT 1-0	05-1350
PT Penetrants	UT5-0	05-141
01M07K		05-143
98J11K	Ultrasonic Scopes	05-1544
	031526804	05-174
Thermometers	031533705	22BC-03003
245470	031534305	3251
245922	031536906	6869
246451	031574011	98-158
246530	136-764I	98-159
246544	688H	98-163
246615		E0527
246706	Transducers	E0612
246712	00-342	00XM09
246761	00-351	00XN6W/00XN7J
246763	00-369	00KD5C
246776	00-396	00MXB4
	004243	00X8CB
	00HM35	00X9TW
	00HR0P	00XBCP
	00XJYK	00XCD1

Transducers Continued	Transducers Continued	Transducers Continued
00XL6T	00XL6V	010HBH
04-28	04-29	05-1486
05-1487	05-162	05-163
05-164	05-165	05-180
05-981	05-982	1003070
95-189	95-190	95-225
95-226	95-228	

SECTION 6

REPAIR AND REPLACEMENT SUMMARY

NIS-2 OWNER'S DATA REPORTS

This section provides a listing of the 57 ASME Section XI repairs or replacements performed between February 26, 2004 and February 26, 2006.

All repairs and replacements are of a routine nature. CPS did not identify any flaws during performance of any ISI examination that required a repair or replacement.

CPS utilized Code Case N-416-2 during this reporting period. This Code Case allows the elimination of the hydrostatic testing requirement following welded replacement, providing some additional NDE is performed and the 1992 Edition of Section III used for examination.

CPS installed a number of modifications including the replacement of service water piping and fittings, replacement of various cooling coils, installation of Core Shroud Tie Rods, repair of service water flange fittings, and changeout of Dresser Relief Valves with Crosby replacements.

Following the listing of repairs and replacements are copies of NIS-2 Owner's Data Reports for all of the Class 1, 2, CS, and MC repairs and replacements which CPS performed during this reporting period. Data reports for any components or parts used in support of those NIS-2's have not been included but are filed with Section XI repair and replacement records.

The records for all Section XI repairs and replacements are available and located in the Clinton Records Vault filed in the respective N-5 system under record 3A.117 entitled ASME System Data Reports.

SECTION 6

REPAIR AND REPLACEMENT SUMMARY

NIS-2 Number	Class	Description
RF-10-001	2	Replaced relief valve 1C41F029A and 2" elbow on discharge line
RF-10-002	3	Replaced Valve 1DO01C and connecting piping.
RF-10-003	3	Rebuild Reactor Water Cleanup pump A- Replaced Gland Seal
RF-10-004	3	Replace 1SX291 and attached piping
RF-10-005	3	Replaced section of SX piping, elbow, flange, and flow orifice
RF-10-006	3	Replace piping spool between orifices 1SX18MA and 1SX19MA.
RF-10-007	3	Replaced 1 1/2" weld on SX elbow. Other work associated with this WO exempt per size.
RF-10-008	3	Replace Valve Ball 1G36F030A
RF-10-009	3	Replaced 1G36-F029A and connecting piping
RF-10-010	3	Reinstalled hanger 1RT15002G to original design. using new angle iron
RF-10-011	3	Replaced Valve 1G33-F013C.
RF-10-012	3	Reinstall hanger 1RT15001G to original design replacing angle iron.
RF-10-013	3	Replaced 1G36-F029B and attached piping
RF-10-014	3	Replaced valve ball in 1G36F030B
RF-10-015	1	Replaced pump seal assembly for 1B33C001B
RF-10-016	3	Performed weld repair of inlet and outlet flanges of coils 0VG06AA,AB and connecting SX piping flanges
RF-10-017	3	Flange repair of 1VY03AA,AB and connecting SX piping
RF-10-018	3	Performed weld repair of inlet and outlet flanges of cooling coils 1VY02AA/1VY02AB. Weld repair of flanges of connecting inlet and outlet piping to cooling coils.

SECTION 6

REPAIR AND REPLACEMENT SUMMARY

NIS-2 Number	Class	Description
RF-10-019	3	Weld repair of Coil 1VH01AA-D1 inlet flange and SX piping connecting flanges.
RF-10-020	3	Weld Repair of divider plate for heat exchanger 1DG11AA.
RF-10-021	3	Weld Buildup of end bell and divider plate for heat exchanger 1DG12AA
RF-10-022	3	Replaced section of piping1SX20AB upstream of valve 1SX019B
RF-10-023	3	Weld build-up of vessel 1VX06CB and SX piping flange(s)
RF-10-024	3	Weld repair of SX Inlet and Outlet piping flanges connecting 1VX06CC.
RF-10-025	3	Weld build-up of eroded area in valve body of 1SX016B and replacement of piping on line 1SX12AB-2.5
RF-10-026	3	Performed weld buildup repair of Room Cooler 0VG07SB (coils 0VG08AA and oVG08AB) and piping flanges
RF-10-027	3	Replaced flow orifice1G33D001 and bolting.
RF-10-028	1	Replaced Pump Seal for 1B33C001B
RF-10-029	3	Weld repair of 1VY04S chiller and connecting piping flanges.
RF-10-030	3	Performed weld repair of Chiller and piping flanges of Coils located in 1VH07SB coil cabinet.
RF-10-031	3	Replaced 1 1/2" piping on DO relief valve discharge. Valve replacement exempt per size
RF-10-032	3	Replaced orifice 1SX18MB per EC 9676
RF-10-033	3	Weld repair of Heat Exchanger 1DG11AB endbell.
RF-10-034	3	Replaced piping on lines 1SX29AB-3 and 1SX27CB-6 with CrMo piping. Replaced 1SX29CB-6 with Carbon Steel piping.

SECTION 6

REPAIR AND REPLACEMENT SUMMARY

NIS-2 Number	*Class*	*Description*
RF-10-035	3	Base metal repair of outlet nozzle flange for heat exchanger 1VX06CC.
RF-10-036	3	Weld build up of wasted area of end bell for heat exchanger 1DG12AB
RF-10-037	3	Replaced Valve11A128B with Equivalent valve
RF-10-038	1	Replaced 21 Control Rod Drive Mechanisms and Bolting
RF-10-039	3	Weld buildup of guide ribs and replaced disc in valve 1E12-F014B
RF-10-040	3	Weld buildup of guide ribs and replaceed disc in valve 1E12-F068B
RF-10-041	2	Install piping per EC 356820.
RF-10-042	3	Replaced coils 1VY05AA and 1VY05AB, weld repair SX piping and cooler flanges, replaced pipe and flange 1SXF6A-2"
RF-10-043	3	Replace orifice, flanges, piping section
RF-10-044	3	Replaced SX piping and elbow
RF-10-045	1	Rebuilt Valve 1E12F042C replacing disc and retaining ring
RF-10-046	1	Modify piping as per EC 347204
RF-10-047	3	Replaced coils 1VY06AA and 1VY06AB and weld repair SX piping flanges identified in W/O 774378.
RF-10-048	C/S	Installed Four (4) Core Shroud Tie Rods.
RF-10-049	1, 3	Replaced Main Steam Relief Valve 1B21F041B with spare.
RF-10-050	1, 3	Replaced Main Steam Relief Valve 1B21F041A with spare.
RF-10-051	1, 3	Replaced Main Steam Relief Valve 1B21F041G with spare.
RF-10-052	1, 3	Replaced Main Steam Relief Valve 1B21F041L with spare.

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REPAIR AND REPLACEMENT SUMMARY

NIS-2 Number	*Class*	*Description*
RF-10-053	1, 3	Replaced Main Steam Relief Valve 1B21F047D with spare.
RF-10-054	1, 3	Replaced Main Steam Relief Valve 1B21F047F with spare.
RF-10-055	1, 3	Replaced Main Steam Relief Valve 1B21F051C with spare.
RF-10-056	1, 3	Replaced Main Steam Relief Valve 1B21F051D with spare.
RF-10-057	2	Weld repair on divider plate and bolting replacement on RHR Heat Exchanger 1E12B001B.

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-001
Date 6/2/2004
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
448086 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NSC01 Code Class 2

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda N/A Code Case
Component: 77 Edition S77 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Valve	DRESSER	TE-34455	N/A	1C41F029A	83	Replacement	Yes
Piping	ILLINOIS POWER	NSC01	N/A	1SC11BA-2	86	Replacement	Yes

7. Description: Replaced relief valve and 2" elbow on discharge.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: N/A psi Test Temp: N/A °F

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
Receipt Information:
Valve - CAT ID# 1396863, UTC 2692848, Serial # TE34455
Elbow - 2" - CAT ID# 1145933, UTC 2115600

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed R. M. Rahn Engineer (Owner or Owner's Designee, Title) Date 6/3, 2004

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 12/17/2003 to 6/4/2004, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL # 1721 (National Board, State, Province, and Endorsements)

Date 4 June, 2004

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-015
Date: 8/11/2004
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
477837-13 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE01 Code Class 1

5(a) Applicable Construction Code Pipe: N/A Edition N/A Addenda NONE Code Case
Component: 1971 Edition W73 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pump	BINGHAM/WILLAMETTE	14217102	NB-395	1B33C001B	1977	Replacement	Yes

7. Description: Replaced pump seal assembly

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Receipt Information:
   Pump Seal Assembly: Cat ID# 1184290, UTC # 2673230
   upper gland SN 01711023, NB # 1475
   seal holder Q01-1299, NB # 1492

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conform to the rules of the ASME Code, Section XI.
(repair or replacement)

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed _____ Engineer Date 8/11, 2004
(Owner or Owner's Designee, Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period _____ to 8/11/2004, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions I.# 1721
Inspector's Signature — National Board, State, Province, and Endorsements

Date 24 August, 2004

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-028
Date: ~~9/30/2004~~ 04/07/05 RFF 1/18/06
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
738986 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE01 Code Class 1

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda None Code Case
Component: 1971 Edition W73 Addenda None Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Pump	BINGHAM/WILLAMETTE	14217102	NB-395	1B33C001B	1977	Replacement	Yes

7. Description: Replaced Pump Seal

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Seal Reciept Information:
   Upper Gland- NB 1473; Serial # 1711023
   Seal Holder - NB 1274; Serial # 1436139-2

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed _____ Engineer (Owner or Owner's Designee, Title) Date 04/07, 2005

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 9/3/2004 to 4/7/2005, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

_____ Commissions IL #1721
Inspector's Signature — National Board, State, Province, and Endorsements

Date 7 APRIL, 2005

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-038
Date: 3/2/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
796479 tasks 1-21 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE01 Code Class 1

5(a) Applicable Construction Code Pipe: N/A Edition N/A Addenda N/A Code Case
Component: 1971 Edition S73 Addenda © Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

(c) Section XI code Cases used N-416-2 (c) 1141,1332,1361-2,1557-1,N207

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
T	CB&I Co.	B5225	4442	1B13D003	1978	Replacement	Yes

7. Description: Replaced 21 Control Rod Drive Mechanisms and Bolting as shown on continuation sheet page 3.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
See Continuation Sheet Page 3 for material procurement data.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed R. H. Rahn Jr. Engineer (Owner or Owner's Designee, Title) Date 03/02, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 8/23/2005 to 3/2/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

~~Inspector's Signature~~ _____ Commissions National Board, State, Province, and Endorsements IL #1721

Date 2 MARCH, 2006

CRDM Replacement Task, Location		CRDM Replacement Serial Number; Associated Bolting Cat. ID, UTC, and quantity installed
Task 1	04-41	8508; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 2	08-13	8942; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 3	08-37	A2603; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 4	12-09	A4578; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 5	16-21	A5511; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 6	16-25	A2432; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 7	16-49	A2456; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 8	20-53	A3248; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 9	24-09	8557; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 10	28-53	A2484; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 11	32-33	6763; Bolting Cat. ID 1147766, UTC 2625250; 2 ea.
Task 12	32-45	A2451; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 13	36-05	A3407; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 14	36-41	8445; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 15	40-17	A2698; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 16	40-29	A3290; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 17	40-53	8987; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 18	44-13	A3383; Bolting - none
Task 19	44-17	8638; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 20	44-25	A3234; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.
Task 21	52-41	A2734; Bolting Cat. ID 1147766, UTC 2110077; 2 ea.; 2625250 1 ea.

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-041
Date: 3/22/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
849113 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NRH08 Code Class 2

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda None Code Case
Component: N/A Edition N/A Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

(c) Section XI code Cases used N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	Illinois Power	PIPING SYSTEM	NA	NRH08	1985	Replacement	Yes

7. Description: Install piping per EC 356820.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Parts Received as follows:
   Tee - 1-1/2 X 1-1/2 X 3/4 - Cat ID 1152903, UTC 2114768

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed [signature] Engineer (Owner or Owner's Designee, Title) Date 03/22, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 2/1/2006 to 3/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] (Inspector's Signature) Commissions IL #1721 (National Board, State, Province, and Endorsements)

Date 23 MARCH, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-045
Date: 3/24/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
676918 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NRH01 Code Class 1

5(a) Applicable Construction Code Pipe: N/A Edition N/A Addenda N/A Code Case
Component: 1974 Edition S75 Addenda see remark Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

(c) Section XI code Cases used N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	Anchor Darling	E-6214-142-1	N/A	1E12F042C	78	Replacement	Yes

7. Description: Rebuilt Valve replacing disc.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
Parts Received as follows:
Disc - Cat ID 1144982/ UTC 2107357

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-24, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 7/22/05 to 5/25/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature _____ Commissions IL#1721
(National Board, State, Province, and Endorsements)

Date 25 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-046
Date: 3/24/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
803566
Repair Organization P.O. No., Job No.

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NRI03 Code Class 1

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda N/A Code Case
Component: N/A Edition N/A Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 No Addenda

(c) Section XI code Cases used N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	NA	NRI03	1986	Replacement	Yes

7. Description: Modify piping per EC 347204

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Material used:
   45 degree elbow (2 each) - Cat ID 1407855, UTC 2727962

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed R. M. Parker Engineer (Owner or Owner's Designee, Title) Date 3/24/, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 10/12/2005 to 3/24/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature _____ Commissions National Board, State, Province, and Endorsements I. #1721

Date 28 MARCH, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-048
Date: 5/11/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
786474-01, 18, 19, & 20 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE01 Code Class C/S

5(a) Applicable Construction Code Pipe: Edition Addenda Code Case
Component: 1974 Edition S76* Addenda 1775 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989

(c) Section XI code Cases used -

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Shroud	Sun Shipbuilding	50977-1	1386	1B13D070 (SHROUD)	1979	Repaired	Yes

7. Description: Installed Four (4) Core Shroud Tie Rods in accordance with EC 347073 Rev. 2.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Exempt ☑ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Cat ID	Description	UTC
1404721	Tie Rods Assy	2733712, 2733714, 2733715, & 2733716
1404722	Upper Support Assy	2733717 & 2733718
1404723	Upper Support Assy	2733719 & 2733720
1404724	Lower Stablizer & Wedge Assy	2733721, 2733722, 2733723, & 2733724
1404725	Upper Stablizer Assy	2733727, 2733728, 2733729, & 2733730
1404726	Tie Rod Nut	2733731, 2733732, 2733733, & 2733734
1404727	Limit Stop Spacer	2733739, 2733740, 2733741, & 2733742
1404728	Locking Pin	2733747, 2733761
1404729	Locking Pin	2733748, 2733764, 2733939, 2733940, & 2733941
1407228	Locking Clip	2733750 (2 Each)
1407229	Locking Clip	2733751 (2 Each)
1407285	Retainer	2733755 (2 Each)
1407286	Retainer	2733757 (2 Each)

* The component Addenda was changed from S74 to S76 as part of EPU and identified in GE design specification 26A6214.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repaired (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-24, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 12/2/05 to 5/25/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions IL#1721

National Board, State, Province, and Endorsements

Date 24 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-049
Date: 5/16/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706185-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Valve	DIKKERS	160787	55	1B21F041B	1978	Replaced	Yes

7. Description: Replaced Valve 1B21F041B. Installed spare serial # 160536. Replaced inlet and outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Replacement valve serial # 160536, UTC 2567645
Inlet studs - UTC 2728986
Inlet nuts - UTC 2727464, Hydranuts installed
Outlet studs - UTC 2684460 & 2728985
Outlet nuts - UTC 2727476, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-16-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT/ have inspected the components described in this Owner's Report during the period 5/13/05 to 5/17/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature _____ Commissions National Board, State, Province, and Endorsements IL #1721

Date 19 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-050
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
705882-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160539	44	1B21F041A	1978	Replaced	Yes

7. Description: Replaced Valve 1B21F041A. Installed spare serial #160789. Replaced inlet and outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
Replacement valve serial #160789, UTC 0002558176
Inlet Studs - UTC 0002728986
Inlet Nuts - UTC 0002727464, Hydranuts installed
Outlet Studs - UTC 0002684460 & 0002728985
Oulet Nuts - UTC 000272476, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL # 1721
National Board, State, Province, and Endorsements

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-051
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706179-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160942	204	1B21F041G	1979	Replaced	Yes

7. Description: Replaced valve 1B21F041G. Installed spare serial #160941. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
Replacement valve serial #160942, UTC 0002567653
Inlet studs - UTC 0002728986 & 0002110333
Inlet nuts - UTC 0002727464, Hydranuts installed
Outlet studs - UTC 0002684460 & 0002728985
Outlet nuts - UTC 0002727476, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL#1721
National Board, State, Province, and Endorsements

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-052
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706182-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160535	40	1B21F041L	1978	Replaced	Yes

7. Description: Replaced Valve 1B21F041L. Installed spare serial #160538. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Replacement valve serial # 160538, UTC 0002567644
Inlet studs - UTC 0002728986
Inlet nuts - UTC 0002727464 , Hydranuts installed
Outlet studs - UTC 0002684460 & 0002728985
Outlet nuts - UTC 0002727476, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL #1721 (National Board, State, Province, and Endorsements)

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-053
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706180-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used : NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160782	47	1B21F047D	1978	Replaced	Yes

7. Description: Replaced Valve 1B21F047D. Installed spare serial #160779. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Replacement valve serial # 160779, UTC 0002567633
Inlet studs - UTC 0002728986
Inlet nuts- UTC 0002727464, Hydranuts installed
Outlet studs - UTC 0002728985 & 0002684460
Oultet nuts - UTC 0002727476, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions Il # 1721
National Board, State, Province, and Endorsements

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-054
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706177-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. *Identification of System:* NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160781	50	1B21F047F	1978	Replaced	Yes

7. Description: Replaced valve 1B21F047F. Installed spare serial #160778. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Replacement valve serial # 160778, UTC 0002567635
Inlet studs - UTC 0002728986 & 0002110819 & 0002110333
Inlet nuts- UTC 0002727464, Hydranuts installed
Outlet studs - UTC 0002728985 & 0002684460
Oultet nuts - UTC 0002727464, Hydranuts installed
Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL#1721 (National Board, State, Province, and Endorsements)

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-055
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706183-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used NONE

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160786	53	1B21F051C	1978	Replaced	Yes

7. Description: Replaced valve 1B21F051C. Installed spare serial #160917. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Replacement valve serial # 160917, UTC 0002567660
   Inlet studs - UTC 0002728986
   Inlet nuts- UTC 0002727464, Hydranuts installed
   Outlet studs - UTC 0002728985 & 0002684460
   Oultet nuts - UTC 0002727476, Hydranuts installed
   Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions IL# 1721
National Board, State, Province, and Endorsements

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-056
Date: 5/18/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
706181-01 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1,3

5(a) Applicable Construction Code Pipe: 1974 Edition S75 Addenda 1977, W77 Code Case
Component: 1974 Edition S76 Addenda none Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition, No Addenda

(c) Section XI code Cases used none

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160784	52	1B21F051D	1978	Replaced	Yes

7. Description: Replaced valve 1B21F051D. Installed spare serial #160793. Replaced inlet & outlet flange bolting.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
   Replacement valve serial # 160793, UTC 0002567659
   Inlet studs - UTC 0002728986
   Inlet nuts- UTC 0002727464, Hydranuts installed
   Outlet studs - UTC 0002728985 & 0002684460
   Oultet nuts - UTC 0002727476, Hydranuts installed
   Data Report for replacement valve is located in N5 System NG02.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Beg Engineer (Owner or Owner's Designee, Title) Date 5-22-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 5/16/05 to 5/22/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL#1721
National Board, State, Province, and Endorsements

Date 22 MAY, 2006

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner: AmerGen Energy Co., LLC (Name)
965 Chesterbrook Blvd., Wayne, PA 19087 (Address)

Data Report No. RF-10-057
Date: 5/23/2006
Sheet 1 of 1

2. Plant: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Unit: 1
548741-1, 727059-9 (Repair Organization P.O. No., Job No.)

3. Work Performed by: Clinton Power Station (Name)
RR3, Box 228, Clinton, IL 61727 (Address)

Type Code Symbol Stamp: None
Authorization No: Not Applicable
Expiration Date: Not Applicable

4. Identification of System: NRH01 Code Class 2

5(a) Applicable Construction Code Pipe: - Edition - Addenda - Code Case
Component: 1974 Edition W75 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989 Edition with No Addenda

(c) Section XI code Cases used N-416-2

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
HX	JOSEPH OAT	2318-B	1053	1E12B001B	1978	Repaired	Yes

7. Description: Weld repair on divider plate and bolting replacement.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑
Other ☐ Exempt ☐ Pressure: psi Test Temp: °F

ATTACHMENT 4
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

9. Remarks (Applicable Manufacturer's Data Reports to be attached):
Bolting was accepted as follows: Studs - UTC number 2729603 and Nut - UTC number 2726478.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Repair/Replacement (repair or replacement) conform to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer (Owner or Owner's Designee, Title) Date 5-23-, 2006

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 of Province of Illinois and employed by Hartford Steam Boiler of CT have inspected the components described in this Owner's Report during the period 7/6/05 to 5/23/2006, 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 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 Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions IL# 1721
National Board, State, Province, and Endorsements

Date 23 MAY, 2006