



**Pacific Gas and
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March 3, 2006

PG&E Letter DCL-06-031

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

Docket No. 50-275, OL-DPR-80
Diablo Canyon Power Plant Unit 1
Inservice Inspection Report for Unit 1 Thirteenth Refueling Outage

Dear Commissioners and Staff:

In accordance with ASME Section XI, paragraph IWA 6230, enclosed is the Diablo Canyon Power Plant Inservice Inspection (ISI) Report. This report provides the results of the Unit 1 Thirteenth Refueling Outage inservice inspections of Class 1 and Class 2 components and supports.

If you have any questions regarding the information enclosed or other ISI Program activities, please contact Susan Westcott, Manager Technical Support Engineering, at (805) 545-3815.

Sincerely,



Donna Jacobs

ddm/469/A0625811

Enclosure

cc/enc: Bruce S. Mallett, NRC Region IV
Terry W. Jackson, NRC Senior Resident
Alan B. Wang, NRC Project Manager
State of California, Pressure Vessel Unit
cc: Diablo Distribution

A047

Enclosure
PG&E Letter DCL-06-031

**INSERVICE INSPECTION REPORT FOR
DCPP UNIT 1 THIRTEENTH REFUELING OUTAGE**

Diablo Canyon Power Plant

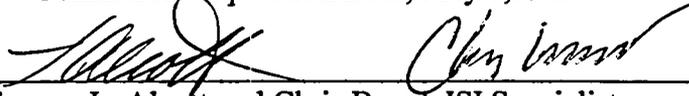
Unit 1

USNRC Docket No. 50-275

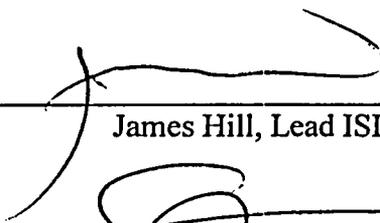
Operating License No. DPR-80

Commercial Operation Date, May 7, 1985

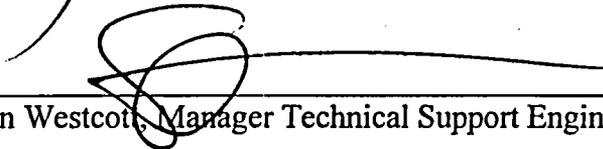
Prepared By:


Thomas L. Alcott and Chris Beard, ISI Specialists

Reviewed By:


James Hill, Lead ISI Specialist

Approved By:


Susan Westcott, Manager Technical Support Engineering

This report is submitted as required by ASME Boiler and Pressure Vessel Code, Section XI, to the United States Nuclear Regulatory Commission.

ORIGINAL

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SECTION A
INTRODUCTION

SECTION A

INTRODUCTION

Inservice inspection (ISI) of scheduled ASME Section XI Class 1 and 2 components and their supports at Pacific Gas and Electric Company's Diablo Canyon Power Plant (DCPP) Unit 1 was completed during the thirteenth refueling outage from October through December, 2005. The DCPP Unit 1 thirteenth refueling outage (1R13) was the second outage in the third period and the last outage within the second 10-year ISI interval.

In addition to the ASME Code examinations reported here, a 100% ultrasonic examination and bare metal examination was conducted on the reactor vessel top head penetration nozzles. No evidence of boric acid leakage was found. The results are on file at the plant site.

This report is submitted as required by ASME Section XI, paragraph IWA-6220, and is organized in several sections. An introduction is provided in Section A. Section B contains the completed ASME Code Data Report Form NIS-1 for Class 1 and 2 components. Sections C and D detail the Class 1 and 2 examinations performed, date of examination (for group items or for more than one type of examination performed, the date provided is the most recent examination date), any unusual conditions noted, corrective actions if required, and explanatory remarks.

The ten year, end of 2nd interval, ISI examination of the reactor vessel was completed during 1R13 and the exam dates are documented in the Class-1 section of this report.

System pressure tests on Class 1 and 2 systems conducted during the period following 1R12, and up to and including 1R13, are reported in Section E.

Appendix J, Containment penetration pressure test are reported in Section F.

Preservice inspections were performed on certain components, as required after repairs or replacements. These items are detailed in Section G.

Augmented exams are reported in Section H.

Section I of this report, Repairs and Replacements, contains the completed ASME Code Data Report Form NIS-2 for those 1R13 work packages closed prior to January 4, 2006 and for any pre-1R13 work packages closed after July 7, 2004. NIS-2 reports for 1R13 work packages that are closed after January 4, 2006 will be included in the next outage report. Corrective actions and work order package documentation are on file at DCPP and are referenced by work order number in the NIS-2 reports.

SECTION B

ASME CODE DATA NIS-1 FORMS

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

1. Owner Pacific Gas & Electric Company, 77 Beale St., San Francisco, CA 94106
2. Plant Diablo Canyon Power Plant, P.O. Box 56, Avila Beach, CA 93424
3. Plant Unit One 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 05/07/85 6. National Board Number for Unit N/A
7. Component Inspected ASME Code Class 1 Items

| Component or Appurtenance | Manufacturer or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|---------------------------|----------------------------------------|--------------------------------------|-----------------------|--------------------|
| Reactor Vessel | Combustion Engineering Westinghouse | CE 66104 | 11475-76 | 20760 |
| Reactor Vessel Head | Combustion Engineering Westinghouse | CE 66204 | 11475-76 | 20760 |
| Steam Gen 1-1 | Westinghouse | 1041 | N/A | 68-12 |
| Steam Gen 1-2 | Westinghouse | 1042 | N/A | 68-13 |
| Steam Gen 1-3 | Westinghouse | 1043 | N/A | 68-14 |
| Steam Gen 1-4 | Westinghouse | 1044 | N/A | 68-15 |
| Pressurizer | Westinghouse | 1051 | N/A | 68-30 |
| Reactor Coolant Pump 1-2 | Westinghouse | 507 | N/A | N/A |
| Reactor Coolant Pump 1-3 | Westinghouse | 508 | N/A | N/A |
| Class 1 Valves | Various | N/A | N/A | N/A |
| Class 1 Supports | Various | N/A | N/A | N/A |
| Class 1 Piping | Wismer & Becker/Kellogg | N/A | N/A | N/A |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this data 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 10/05 to 12/05
- 9. Inspection Period Identification: Third (12th to 13th)
- 10. Inspection Interval Identification: Second
- 11. Applicable Edition of Section XI 1989 Addenda None
- 12. Date/Revision of Inspection Plan: December 2002, Revision 2
- 13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for current interval. Refer to ISI Report
- 14. Abstract of Results of Examinations and Tests. Refer to ISI Report
- 12. Abstract of Corrective Measures. Refer to ISI Report

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) 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 Feb 06 2006 Signed Engineering Manager By [Signature]
Owner Susan Westcott

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by HSB-CT of Harford, CT have inspected the components described in this Owners' Data Report during the period 10/05 to 12/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data 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.

Date 2-10 2006

[Signature] Commissions CA 1828, NB 9990 A.N.I.C.
Inspector's Signature/Kenny Kim National Board, State, Province and No.

FORM NIS-1 (back)

8. Examination Dates 10/05 to 12/05
9. Inspection Period Identification: Third (12th to 13th)
10. Inspection Interval Identification: Second
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: December 2002, Revision 2
13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for current interval. Refer to ISI Report
14. Abstract of Results of Examinations and Tests. Refer to ISI Report
12. Abstract of Corrective Measures. Refer to ISI Report

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) 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 2/06 20 06 Signed Engineering Manager By Susan Westcott
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by HSB-CT of Harford, CT have inspected the components described in this Owners' Data Report during the period 10/05 to 12/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owners' Data 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.

Date 2-10 20 06

Kenny Kim Commissions CA 1828, NB 9990 A.N.I.C.
Inspector's Signature/Kenny Kim National Board, State, Province and No.

SECTION C
CLASS ONE COMPONENTS

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
 (1R13)
 ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: REACTOR VESSEL

PAGE 1 of 6

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|----------------------------------|---------------------|--------------------------|--------------|--------------|------------------------------------------------|---------|
| B-A | | | | | | | |
| B1.11 | Shell Welds - Circumferential | RPV 1 | 8-442 Upper-Intermed | UT | 11-4-05 | | NRI |
| | | | 9-442 Intermed-Lower | UT | 11-4-05 | | NRI |
| | | | 10-442 Lower-Bott Hd | UT | 11-5-05 | Exam limited to 75.36%, Relief Request NDE-SLH | NRI |
| B1.12 | Shell Welds - Longitudinal | RPV 1 | 1-442A Upper Shell | UT | 11-8-05 | | NRI |
| | | | 1-442B Upper Shell | UT | 11-8-05 | | NRI |
| | | | 1-442C Upper Shell | UT | 11-8-05 | | NRI |
| | | | 2-442A Interm Course | UT | 11-4-05 | | NRI |
| | | | 2-442B Interm Course | UT | 11-4-05 | | NRI |
| | | | 2-442C Interm Course | UT | 11-4-05 | | NRI |
| | | | 3-442A Lower Course | UT | 11-5-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: REACTOR VESSEL

PAGE 2 of 6

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-------------------------------------|---------------------|--------------------------|--------------|--------------|------------------------------------------------|---------|
| B1.12 cont'd | | | 3-442B Lower Course | UT | 11-5-05 | | NRI |
| | | | 3-442C Lower Course | UT | 11-5-05 | | NRI |
| B1.21 | Head Welds - Circumferential | | 4-443 Bottom Head | UT | 11-6-05 | Exam limited to 67.68%; Relief Request NDE-2 | NRI |
| B1.22 | Head Welds - Meridional | RPV 1 Bottom Hd | 1-443A | UT | 11-5-05 | | NRI |
| | | | 1-443B | UT | 11-5-05 | Exam limited to 70.0%, Relief Request NDE-3 R1 | NRI |
| | | | 1-443C | UT | 11-5-05 | | NRI |
| | | | 1-443D | UT | 11-5-05 | | NRI |
| | | | 1-443E | UT | 11-5-05 | | NRI |
| | | | 1-443F | UT | 11-5-05 | Exam limited to 79.5%, Relief Request NDE-3 R1 | NRI |
| B1.30 | Shell to Flange Weld from flange | RPV 1 | 7-442 Hole 54-27 (cw) | UT | 10-29-05 | | NRI |
| | Shell to Flange Weld from shell | RPV 1 | 7-442 | UT | 11-8-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: REACTOR VESSEL

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| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|---------------------------------|------------------------|--------------------------|--------------|--------------|-----------------------------------------------|---------|
| B-D | | | | | | | |
| B3.90 | Outlet Nozzle to Vessel Weld | RPV 1 to *1-29SPL | 338° (from Bore) | UT | 11-6-05 | | NRI |
| | | | 338° (from Shell) | UT | 11-7-05 | Exam limited to 84.07%, Relief Request NDE-6B | NRI |
| | | RPV 1 to *2-29SPL | 22° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 22° (from Shell) | UT | 11-7-05 | Exam limited to 84.07%, Relief Request NDE-6B | NRI |
| | | RPV 1 to *3-29SPL | 158° (from Bore) | UT | 11-6-05 | | NRI |
| | | | 158° (from Shell) | UT | 11-7-05 | Exam limited to 84.07%, Relief Request NDE-6B | NRI |
| | | RPV 1 to *4-29SPL | 202° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 202° (from Shell) | UT | 11-7-05 | Exam limited to 84.07%, Relief Request NDE-6B | NRI |
| | Inlet Nozzle to Vessel Weld | RPV 1 to *9-27.5SPL | 293° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 293° (from Shell) | UT | 11-7-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT

MAJOR ITEM: REACTOR VESSEL

(1R13)

ASME SECTION XI SYSTEMS - CLASS 1

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| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|--------------------------------|-------------------------|--------------------------|--------------|--------------|-------------------|---------|
| B3.90 cont'd | | RPV 1 to *10-27.5SPL | 67° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 67° (from Shell) | UT | 11-7-05 | | NRI |
| | | RPV 1 to *11-27.5SPL | 113° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 113° (from Shell) | UT | 11-7-05 | | NRI |
| | | RPV 1 to *12-27.5SPL | 247° (from Bore) | UT | 11-4-05 | | NRI |
| | | | 247° (from Shell) | UT | 11-7-05 | | NRI |
| B3.100 | Outlet Nozzle Inside Radius | RPV 1 to *1-29SPL | 338° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | | RPV 1 to *2-29SPL | 22° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | | RPV 1 to *3-29SPL | 158° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | | RPV 1 to *4-29SPL | 202° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | Inlet Nozzle Inside Radius | RPV 1 to *9-27.5SPL | 293° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: REACTOR VESSEL

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| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|---------------------------------|------------------------------|--------------------------------|--------------|--------------|------------------------------------|---------|
| B3.100 cont'd | | RPV 1 to *10-27.5SPL | 67° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | | RPV 1 to *11-27.5SPL | 113° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| | | RPV 1 to *12-27.5SPL | 247° | VT-1 | 11-2-05 | Code Case N-648-1 | NRI |
| B-G-1 | | | | | | | |
| B6.40 | Threads in Flange | RPV Bolting > 2" diam. | RPV1 Ligament 54 to 27 (cw) | UT | 10-29-05 | | NRI |
| B-N-1 | | | | | | | |
| B13.10 | Reactor Vessel 1 Interior | Reactor Vessel 1 Interior | Reactor Vessel 1 Interior | VT-3 | 11-2-05 | WestDyne "RI" for debris (Removed) | NRI |
| B13.60 | Reactor Vessel 1 Interior | RV1 Interior Attachments | RV1 Interior Attachments | VT-3 | 11-2-05 | | NRI |
| B13.70 | RPV 1 Core Support Structure | RV1 Core Support | RV1 Core Support Structure | VT-3 | 11-3-05 | | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: REACTOR VESSEL

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| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|---------------------------------|---------------------|--------------------------|--------------|--------------|----------|---------|
| B-G-2 | | | | | | | |
| B7.80 | CRD Housings: Bolts <2" diam | RPV1 | Part Length CRDM D-6 | VT-1 | 11-15-05 | 6 Bolts | NRI |
| | | | Part Length CRDM D-10 | VT-1 | 11-15-05 | 6 Bolts | NRI |
| | | | Part Length CRDM F-12 | VT-1 | 11-15-05 | 6 Bolts | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)

MAJOR ITEM: PRESSURIZER

ASME SECTION XI SYSTEMS - CLASS 1

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|----------------------------------------|---------------------------------|-----------------------------|--------------|--------------|----------|---------|
| B-B | | | | | | | |
| B2.11 | Shell to Bottom Head Circ Weld | Pressurizer 1 | Girth 1 - one third | UT | 11-3-05 | | NRI |
| | Shell to Upper Head Circ Weld | Pressurizer 1 | Girth 5 - one third | UT | 10-27-05 | | NRI |
| B2.12 | Shell to Bottom Head Long'l Weld | Pressurizer 1 | Long'l 6 - twelve inches | UT | 11-3-05 | | NRI |
| B-D | | | | | | | |
| B3.120 | Safety Line Nozz. Inside Radius | Pressurizer 1 to S6-728-6SPL | Inside Radius Section | UT | 10-27-05 | | NRI |
| B-H | | | | | | | |
| B8.20 | Pressurizer 1 Support Skirt Weld | Pressurizer 1 | Girth 10 - one third | UT | 11-3-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)

MAJOR ITEM: STEAM GENERATORS

ASME SECTION XI SYSTEMS - CLASS 1

CAT B16.20

STEAM GENERATOR TUBING

PAGE 1 of 1

The following percentages apply to inservice tubes.

| SCOPE | PROBE TYPE | SG 11 | SG 12 | SG 13 | SG 14 |
|-------------------------------------------------------------------|------------------------|-------------------------------|-------------------------|--------------|-------------------------|
| Full length (except Rows 1 and 2 U-bends) | Bobbin | 100% | 100% | 100% | 100% |
| Rows 1 to 10 U-bends | Plus Point | 100% | 100% | 100% | 100% |
| Repeat PWSCC indications at dents and top of tubesheet | Plus Point | 100% | 100% | 100% | 100% |
| Hot Leg top-of tubesheet | Plus Point | 100% | 100% | 100% | 100% |
| ≥ 5 volt dented TSP intersections | Plus Point (Note 1) | 100% 1H to 4H 20% 5H to 7H | 100% 1H to 7C 20% 6C | 20% 1H to 7H | 100% 1H to 6H 20% 7H |
| > 2 and < 5 volt dented TSP intersections | Plus Point (Note 1) | 100% 1H to 4H 20% 5H | 100% 1H to 7C 20% 6C | 20% 1H | 100% 1H to 6H 20% 7H |
| >2 volt dented TSP intersections never inspected by Plus Point | Plus Point | 100% | 100% | 100% | 100% |
| ≤ 2 volt dented TSP intersections | Plus Point (Note 1) | 100% 1H 20% 2H | NA | NA | NA |
| ≥ 1.7 volt distorted OD bobbin signals (DOS) at TSP intersections | Plus Point | 100% | 100% | 100% | 100% |
| Distorted ID bobbin signals (DIS) at TSP intersections | Plus Point | 100% | 100% | 100% | 100% |
| Free span dings | Plus Point | 20% | 20% | 20% | 20% |
| TSP ligament indications | Plus Point | 100% | 100% | 100% | 100% |
| Tubes plugged | | 38 | 43 | 16 | 19 |

Note 1: For each 20% sample, inspect at least 50 dents, or else inspect 100% if there are less than 50 dents.

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
 (1R13)
 ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: BOLTING

PAGE 1 of 2

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|---------------------------------|----------------------------|--------------------------|--------------|--------------|---------------------------------------|---------|
| B-G-1 | | | | | | | |
| B6.190 | RCP Flange Surface | Pump Bolting > 2" diam. | RCP 1-2 | VT-1 | 11-10-05 | | NRI |
| B-G-2 | | | | | | | |
| B7.50 | Pipe Flange Bolting | Pipe Bolting < 2" diam. | S6-1993-1.5 (FE-926) | VT-1 | 11-11-05 | 4 Studs & Nuts | NRI |
| | | | S6-1993-1.5 (RO 561) | VT-1 | 11-11-05 | 4 Studs & Nuts | NRI |
| | | | S6-1994-1.5 (FE-927) | VT-1 | 11-11-05 | 4 Studs & Nuts | NRI |
| | | | S6-1994-1.5 (RO 562) | VT-1 | 11-11-05 | 4 Studs & Nuts | NRI |
| B7.60 | RC Pump 1-3 Seal House Bolts | Pump Bolting < 2" diam | 4 Bolts | VT-1 | 11-13-05 | 12 bolts examined, credit taken for 4 | NRI |
| B7.70 | Valve Bolts < 2" diam | S6-237-6SPL+ | V-8949C | VT-1 | 10-29-05 | 12 Studs & Nuts | NRI |
| | | S6-238-6SPL+ | V-8949D | VT-1 | 11-3-05 | 12 Studs & Nuts | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: BOLTING

PAGE 2 of 2

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-------------|---------------------|--------------------------|--------------|--------------|-----------------------|---------|
| B7.70 cont'd | | S6-3846-6SPL+ | V-8818C | VT-1 | 11-3-05 | 12 Studs & Nuts | NRI |
| | | S6-3847-6SPL+ | V-8818D | VT-1 | 11-3-05 | 12 Studs & Nuts | NRI |
| | | S6-727-6 | RV-8010C | VT-1 | 11-17-05 | 8 Bonnet Studs & Nuts | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: PUMPS and VALVES

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT/ LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-----------------------------|------------------------|---------------------------------|--------------|--------------|----------|---------|
| B-L-2 | | | | | | | |
| B12.20 | RC Pump 1-2: Pump Casing | RCP 1-2 Pump Casing | RCP 1-2 Pump Casing Interior | VT-3 | 11-11-05 | | NRI |
| B-M-2 | | | | | | | |
| B12.50 | Valve Interior | S6-253-10SPL+ | V-8956C Interior | VT-3 | 11-11-05 | | NRI |
| | | S6-727-6SPL+ | RV-8010C Interior | VT-3 | 10-29-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: PIPING

PAGE 1 of 3

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|---------------------------|---------------------|--------------------------|--------------|--------------|----------------------------------------------------------------|---------|
| RI-ISI (RB) | Pressurizer Spray Line | S6-15-4SPL | WIB-378 | UT | 11-11-05 | | NRI |
| | | | WIB-377 | UT | 11-11-05 | | NRI |
| | | | WIB-376 | UT | 11-11-05 | | NRI |
| | | | WIB-383 | UT | 11-11-05 | | NRI |
| | Pressurizer Surge Line | *16-14SPL | WIB-66 | UT | 11-17-05 | | NRI |
| | | | WIB-65A | UT | 11-17-05 | | NRI |
| | RC Out Loop 1 | *1-29SPL | WIB-RC-1-1(SE) | UT | 11-5-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-1-1 | UT | 11-5-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | RC Out Loop 2 | *2-29SPL | WIB-RC-2-1(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-2-1 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: PIPING

PAGE 2 of 3

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-----------------------|---------------------|--------------------------|--------------|--------------|----------------------------------------------------------------|---------|
| RI-ISI cont'd | RC Out Loop 3 | *3-29SPL | WIB-RC-3-1(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-3-1 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | RC Out Loop 4 | *4-29SPL | WIB-RC-4-1(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-4-1 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | RC Pump Disch Lp 1 | *9-27.5SPL | WIB-RC-1-18 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-1-18(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | RC Pump Disch Lp 2 | *10-27.5SPL | WIB-RC-2-20 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-2-20(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | RC Pump Disch Lp 3 | *11-27.5SPL | WIB-RC-3-18 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-3-18(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
 (1R13)
 ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: PIPING

PAGE 3 of 3

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|------------------------|---------------------|--------------------------|--------------|--------------|----------------------------------------------------------------|---------|
| RI-ISI cont'd | RC Pump Disch Lp 4 | *12-27.5SPL | WIB-RC-4-18 | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | | | WIB-RC-4-18(SE) | UT | 11-6-05 | 1) Westinghouse Automated 2) Not Required Per Program Plan. | NRI |
| | Letdown Line Loop 2 | S6-24-3SPL | WIB-111 | UT | 11-7-05 | | NRI |
| | | | WIB-112 | UT | 11-7-05 | | NRI |
| | Letdown Line Loop 2 | S6-24-3SPL | WIB-116 | UT | 11-7-05 | | NRI |
| | | | WIB-118 | UT | 11-7-05 | | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: SUPPORTS

PAGE 1 of 1

CATEGORY

F-A

SUPPORTS

F1.10 TO F1.70

SUPPORT COMPONENTS

The required inservice inspection was performed on 1 Class 1 hanger during the thirteenth refueling outage on the date of 11/01/06. The support was found acceptable. Data report is on file.

LINE

SUPPORT

Pressurizer - 1

Support Skirt

SECTION D

CLASS TWO COMPONENTS

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
 (1R13)
 ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: VESSELS

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|----------------------------------|---------------------------|-----------------------------------------|--------------|--------------|----------|---------|
| C-A | | | | | | | |
| C1.20 | Head Circ.Welds | RHR Heat Exchanger 1-2 | Girth Weld GD (#4) (Head-to-Shell) | PT | 10-21-05 | | NRI |
| C-B | | | | | | | |
| C2.21 | Nozzles in Vessels >1/2" wall | RHR HX 1-2 to S1-119-8 | Outlet Nozzle-to- Shell Weld #6 (N2) | PT | 10-21-05 | | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: Piping

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-------------------------------|---------------------|--------------------------|--------------|--------------|----------|---------|
| RI-ISI (RB) | RC Pps Barrier CCW Ret Hdr | K17-1357-6 | WIC-1357A | UT | 11-4-05 | | NRI |
| | | | RB-1357-6 | UT | 11-4-05 | | NRI |

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DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING INTEGRAL
ATTACHMENTS

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|----------------------|---------------------|--------------------------------|--------------|--------------|----------|---------|
| C-C | | | | | | | |
| C3.20 | Welded Attachment | Line S6-508-8III | 58N-49R Attach. X307A-B | PT | 10-31-05 | | NRI |
| | | | 58N-52A Attach. X426A-C | PT | 10-31-05 | | NRI |
| | | Line S6-54-2 | 2151-53 Attachment X2814A-B | PT | 10-28-05 | | NRI |
| | | | 2151-58 Attachment X2818A-B | PT | 10-28-05 | | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING SUPPORTS

PAGE 1 of 1

CATEGORY

F-A

SUPPORTS

F1.10 TO F1.70

SUPPORT COMPONENTS

The required inservice inspections were performed on 60 Class 2 hangers prior to and during the thirteenth refueling outage between the dates of 08/05/05 and 11/15/05. Results were found acceptable. Data reports are on file.

| LINE | SUPPORT | LINE | SUPPORT | LINE | SUPPORT | LINE | SUPPORT | LINE | SUPPORT |
|------|---------------|------|---------|------|----------|------|----------|------|---------|
| 45 | 73-85A | 52 | 99-1R | 54 | 2151-96 | 508 | 56N-140R | 1454 | 54S-18R |
| 48 | 55S-117R loc1 | 52 | 99-7R | 54 | 2151-109 | 508 | 58N-53R | 1464 | 73-31 |
| 48 | 55S-117R loc2 | 52 | 99-26R | 54 | 2151-119 | 554 | 1037-9R | 1466 | 73-74 |
| 48 | 55S-120R loc1 | 52 | 99-74A | 54 | 2151-137 | 554 | 1048-1R | 1466 | 73-144 |
| 48 | 55S-120R loc2 | 53 | 73-42R | 54 | 2155-74 | 746 | 57S-110R | 1474 | 73-40R |
| 48 | 55S-123R | 53 | 73-63R | 54 | 2155-272 | 746 | 57S-113R | 1974 | 54S-14R |
| 48 | 55S-136R | 53 | 74-48R | 54 | 2161-47 | 746 | 57S-124R | 2033 | 56S-51R |
| 48 | 99-1R | 54 | 46-20 | 228 | 1020-2V | 746 | 99-26R | 2033 | 288-4A |
| 48 | 99-7R | 54 | 180-15 | 228 | 1021-11R | 746 | 99-197R | 2044 | 512-6R |
| 48 | 99-87R | 54 | 2151-53 | 283 | 56S-105R | 1357 | 5-35R | 2046 | 512-6R |
| 48 | 99-168R | 54 | 2151-58 | 508 | 42-45R | 1357 | 12-47R | 3673 | 1512-25 |
| 48 | 99-219R | 54 | 2151-67 | 508 | 56N-120R | 1454 | 54S-16R | 3678 | 73-47A |

SECTION E

SYSTEM PRESSURE TESTS

End of 2nd Interval System Hydrostatic Test
Performed at NOP IAW Code Case N-498-1

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DIABLO CANYON POWER PLANT -
UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 1 of 4

| TEST NO. | CLASS | DESCRIPTION | EXAM DATE | COMMENTS | RESULTS |
|----------|-------|-------------------------------------------------------|-----------|-----------------------------------|---------|
| 1 | 1 | Reactor Coolant System and Connected Piping | 11-28-05 | End of Interval Exam, STP-R8A | NRI |
| 2 | 1 | Excess Letdown between 8166 & 8167 | 11-28-05 | End of Interval Exam, ISI X-101 | NRI |
| 3 | 1 | Pressurizer Auxiliary spray | 11-28-05 | End of Interval Exam, ISI X-101 | NRI |
| 4 | 1 | Alternate Charging | 11-28-05 | End of Interval Exam, ISI X-101 | NRI |
| 5 | 1 | RHR & SI to Cold Legs | 11-28-05 | STP-R8A | NRI |
| 6 | 1 | Charging Injection Inside Cont. | 11-28-05 | End of Interval Exam, ISI P-SI-12 | NRI |
| 7 | 1 | Safety Injection Inside Cont, From 8905A-D to 8949A-D | 11-28-05 | STP R8A | NRI |
| 8 | 1 | RHR Between 8702 & 8701 | 11-26-05 | End of Interval Exam, ISI P-RHR-8 | NRI |

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DIABLO CANYON POWER PLANT -
UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 2 of 4

| TEST NO. | CLASS | DESCRIPTION | EXAM DATE | COMMENTS | RESULTS |
|----------|-------|--------------------------------------------------------|-----------|----------------------|---------|
| 1 | 2 | Steam Generators and Connected Piping | 11/29/05 | End of Interval Exam | NRI |
| 4 | 2 | RCS Loops 1 & 4 Hot Leg Sample Lines | 11/28/05 | End of Interval Exam | NRI |
| 5 | 2 | Pressurizer Sample Lines | 11/28/05 | End of Interval Exam | NRI |
| 6 | 2 | XS Ltdn HX & piping from 8167 to HCV-123 | 11/28/05 | End of Interval Exam | NRI |
| 7 | 2 | RCP Hi Press Seal Water out & XS Ltdn HX outlet piping | 11/28/05 | End of Interval Exam | NRI |
| 9 | 2 | Recip Chg Pump & Disch Piping to 8475 | 10/8/04 | End of Interval Exam | NRI |
| 10 | 2 | Alt Charging Between 8483, 8147 & 8379A | 11/28/05 | End of Interval Exam | NRI |
| 12 | 2 | Charging Injection 8801A & B to 8820 | 11/28/05 | End of Interval Exam | NRI |
| 13 | 2 | Charging Pumps & Suction Piping | 11/17/05 | End of Interval Exam | NRI |
| 15 | 2 | Boric Acid Pumps Disch Piping | 9/7/05 | End of Interval Exam | NRI |

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 3 of 4

| TEST NO. | CLASS | DESCRIPTION | EXAM DATE | COMMENTS | RESULTS |
|----------|-------|------------------------------------------------------------------------------------------------|-----------|----------------------|---------|
| 15a | 2 | Boric Acid Pumps Disch Piping Between 8104 and 8445 | 9/28/05 | End of Interval Exam | NRI |
| 16 | 2 | Boric Acid Tanks to Pump Disch Iso Valves | 9/7/05 | End of Interval Exam | NRI |
| 19 | 2 | RWST & Supply to RHR, Cont Spray, SI, Refueling Wtr Purification Pumps & Recirc Line to RHR HX | 11/25/05 | End of Interval Exam | NRI |
| 23 | 2 | RHR Pumps and Discharge Piping | 11/25/05 | End of Interval Exam | NRI |
| 25 | 2 | Spray Additive Tank and Unisolable piping | 3/29/05 | End of Interval Exam | NRI |
| 34 | 2 | PZR Relief Tank Nitrogen Supply (pen 52) | 11/25/05 | End of Interval Exam | NRI |
| 36 | 2 | Accumulator Tanks N2 Supply Header. (pen 51) | 10/27/05 | End of Interval Exam | NRI |
| 37 | 2 | Accumulators Sample Header | 11/30/05 | End of Interval Exam | NRI |
| 39 | 2 | Auxiliary Steam Containment Penetration | 11/1/05 | End of Interval Exam | NRI |
| 40 | 2 | Firewater Supply Before Containment (pen 79) | 10/20/05 | End of Interval Exam | NRI |

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DIABLO CANYON POWER PLANT -
UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 4 of 4

| TEST NO. | CLASS | DESCRIPTION | EXAM DATE | COMMENTS | RESULTS |
|----------|-------|----------------------------------------------------|-----------|----------------------|---------|
| 41 | 2 | Refueling Canal Water Inlet (pen 46) | 11/17/05 | End of Interval Exam | NRI |
| 42 | 2 | Reactor Coolant Drain Tank N2 Sup. (pen 52D) | 11/25/05 | End of Interval Exam | NRI |
| 43 | 2 | Reactor Coolant Drain Pumps Disch Header. (pen 50) | 11/25/05 | End of Interval Exam | NRI |

SECTION F

Appendix- J Containment Penetration Pressure Test

PG&E

DIABLO CANYON POWER PLANT -
UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: Containment Penetration
Appendix J

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 1 of 2

| PEN NO. | STP NO. | Results | EXAM DATE | PEN NO. | STP NO. | Results | EXAM DATE | PEN NO. | STP NO. | Results | EXAM DATE |
|---------|---------|------------|-----------|---------|---------|------------|-----------|---------|---------|------------|-----------|
| 19 | V-619 | Acceptable | 10/27/05 | 43 | V-641 | Acceptable | 11/1/05 | 51D | V-651D | Acceptable | 11/08/05 |
| 20 | V-620 | Acceptable | 10/27/05 | 44 | V-641 | Acceptable | 11/1/05 | 52A | V-652A | Acceptable | 11/10/05 |
| 21 | V-620 | Acceptable | 11/16/05 | 45 | V-645 | Acceptable | 11/4/05 | 52B | V-652B | Acceptable | 11/3/05 |
| 22 | V-623 | Acceptable | 11/19/05 | 46 | V-646 | Acceptable | 10/25/05 | 52D | V-652D | Acceptable | 11/21/05 |
| 23 | V-623 | Acceptable | 10/28/05 | 47 | V-646 | Acceptable | 10/25/05 | 54 | V-654 | Acceptable | 11/22/05 |
| 30 | V-630 | Acceptable | 11/18/05 | 49 | V-649 | Acceptable | 11/15/05 | 56 | V-656 | Acceptable | 11/16/05 |
| 31 | V-631 | Acceptable | 11/25/05 | 50 | V-650 | Acceptable | 11/11/05 | 57 | V-657 | Acceptable | 11/15/05 |
| 35 | V-635 | Acceptable | 4/16/04 | 51A | V-651A | Acceptable | 11/14/05 | 59A | V-659A | Acceptable | 5/12/04 |
| 41 | V-641 | Acceptable | 11/01/05 | 51B | V-651B | Acceptable | 3/31/04 | 59B | V-659B | Acceptable | 11/19/05 |
| 42 | V-641 | Acceptable | 11/01/05 | 51C | V-651C | Acceptable | 5/5/04 | 59C | V-659C | Acceptable | 5/2/02 |

PG&E

DIABLO CANYON POWER PLANT -
UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT (1R13)

MAJOR ITEM: Containment Penetration
Pressure Test

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PAGE 2 of 2

| PEN NO. | STP NO. | Results | EXAM DATE | PEN NO. | STP NO. | Results | EXAM DATE | PEN NO. | STP NO. | Results | EXAM DATE |
|---------|---------|------------|-----------|---------|---------|------------|-----------|---------|---------|---------|-----------|
| 61 | V-661 | Acceptable | 11/25/05 | 52E | V-678 | Acceptable | 10/31/05 | | | | |
| 62 | V-662 | Acceptable | 11/25/05 | 52F | V-678 | Acceptable | 10/31/05 | | | | |
| 63 | V-663 | Acceptable | 11/24/05 | 78A | V-678 | Acceptable | 10/31/05 | | | | |
| 65 | V-665 | Acceptable | 7/23/05 | 78B | V-678 | Acceptable | 11/1/05 | | | | |
| 68 | V-668 | Acceptable | 11/25/05 | 79 | V-679 | Acceptable | 10/28/05 | | | | |
| 69 | V-668 | Acceptable | 11/5/05 | 81 | V-681 | Acceptable | 11/15/05 | | | | |
| 70 | V-670 | Acceptable | 10/31/05 | 82A | V-682A | Acceptable | 10/31/05 | | | | |
| 71 | V-671 | Acceptable | 11/12/05 | 82B | V-682B | Acceptable | 11/1/05 | | | | |
| 76A | V-676A | Acceptable | 5/1/02 | 82C | V-682B | Acceptable | 11/1/05 | | | | |
| 76B | V-676B | Acceptable | 5/1/02 | 83B | B-683 | Acceptable | 11/20/05 | | | | |

SECTION G

PRESERVICE INSPECTION ITEMS

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(1R13)

MAJOR ITEM: PSI

ASME SECTION XI SYSTEMS - CLASS 1 & 2 PRESERVICE INSPECTION ITEMS

PAGE 1 of 1

The required preservice inspections were performed on 6 components and 4 supports during the thirteenth refueling outage.

| CATEGORY | Name of Component | System | Exam Type | Work Order No. | Other Ident. Line No |
|----------|----------------------------------|--------|-----------|----------------|----------------------|
| B-G-1 | | | | | |
| | RCP 1-2 Case Studs | 7 | UT | C0196993 | RCP 1-2 |
| | RCP 1-2 Case Hydraulic Nuts | 7 | VT-1 | C0196993 | RCP 1-2 |
| B-G-2 | | | | | |
| | RCS-1-RV-8010A | 7 | VT-1 | R0261469 | 729 |
| | RCS-1-RV-8010B | 7 | VT-1 | R0261468 | 728 |
| | RCS-1-RV-8010C | 7 | VT-1 | R0260099 | 727 |
| B-L-2 | RCP 1-2 Internals Cover Interior | 7 | VT-3 | C0196993 | RCP 1-2 |
| F-A | | | | | |
| | 1-38R | 3 | VT-3 | C0195347 | 569 |
| | 10-13SL | 7 | VT-3 | C0197234 | 16 |
| | 10-128SL | 7 | VT-3 | C0194779 | 14 |
| | 288-158A | 9 | VT-3 | C0197317 | 7077 |

SECTION H

AUGMENTED EXAMINATIONS

PG&E

DIABLO CANYON POWER PLANT - UNIT 1

SECOND INTERVAL, THIRD PERIOD, SECOND REFUELING OUTAGE REPORT
(IR13)
CONTAINMENT EXAMS

MAJOR ITEM: AUGMENTED EXAMINATIONS

PAGE 1 of 1

| CATEGORY ITEM | DESCRIPTION | COMPONENT / LINE | WELD OR COMPONENT NO. | EXAM TYPE | EXAM DATE | COMMENTS | RESULTS |
|------------------|-------------------------|-------------------------|-------------------------------|--------------|--------------|----------|---------|
| Augmented | | | | | | | |
| | RC Pump 1-4 Flywheel | RC Pump 1-4 Flywheel | Flywheel Inner Half Radius | UT | 11-7-05 | | NRI |

SECTION I
REPAIRS AND REPLACEMENTS

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 2

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above

4. Identification of System Feedwater System (03)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| FW-1-LCV-106 | Control Components | 12428-1-1 | N/A | C0195347 | 569 | N/A | Replaced (1)(2) | <input type="checkbox"/> | N |
| FW-1-LCV-106 | Control Components | 12428-1-1 | N/A | C0195347 | 569 | N/A | Replaced (3) | <input type="checkbox"/> | N |
| FW-1-LCV-106 | Control Components | 12428-1-1 | N/A | C0201067 | 569 | N/A | Repair (4) | <input type="checkbox"/> | N |
| FW-1-378 | Velan Valve | 0418 | N/A | C0200616 | 570 | N/A | Replaced (1) | <input type="checkbox"/> | N |

7. Description of Work (1) Replaced Bonnet Bolting (2) Replaced Bonnet (3) Replaced Valve Internals (4)Machined Bonnet

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Repair/Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Subin Vestcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement/Repair described in this Report on 2-14, 2006 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above

4. Identification of System Feedwater System (03)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| 1-38R | PG&E | N/A | N/A | C0195347 | 569 | N/A | Replaced (5) | <input type="checkbox"/> | N |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (5) Replaced Bolting

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Shawn Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above

4. Identification of System Turbine Steam Supply System (04)

5. (a) Applicable Construction Code (See Work Order) 19 ___ Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|-------------------------------------|-------------------------------|
| MS-1-PCV-20 | Copes-Vulcan | 6910.95009 | N/A | C0185580 | 227 | N/A | Replaced (1) | <input type="checkbox"/> | N |
| MS-1-FCV-25 | Fisher Controls Co. | 5727538 | N/A | C0195089 | 3915 | N/A | Replaced (2) | <input type="checkbox"/> | N |
| MS-1-FCV-24 | Fisher Controls Co. | NF | N/A | C0196556 | 3916 | N/A | Replaced (3) | <input checked="" type="checkbox"/> | N |
| MS-1-5167 | Anchor Darling | EA998-1-2 | N/A | R0257735 | 594 | N/A | Replaced (1) | <input type="checkbox"/> | N |

7. Description of Work (1) Replaced Valve Internals (2) Replaced Bonnet Bolting (3) Replaced Valve By Welding

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 1010 PSIG Test Temp. 547 °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/03/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) (Date) (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 6, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.

4. Identification of System Turbine Steam Supply System (04)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| 1029-9R | PG&E | 1029-9R | N/A | C0200720-01 | 225 | N/A | Replaced (1) | <input type="checkbox"/> | N |
| 1031-16R | PG&E | 1031-16R | N/A | C0200720-02 | 3916 | N/A | Replaced (2) | <input type="checkbox"/> | N |
| 288-159R | PG&E | 288-159R | N/A | C0200720-03 | 225 | N/A | Replaced (3) | <input type="checkbox"/> | N |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Deleted Support (2) Installed Shims (3) Installed New Support

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above

4. Identification of System Reactor Coolant System (07)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|--------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| RCS-1-RV-8010A | Crosby Valve | U2C | N/A | R0261469 | 729 | N/A | Replaced (1) | <input type="checkbox"/> | N |
| RCS-1-RV-8010C | Crosby Valve | U1C | N/A | R0260099 | 727 | N/A | Replaced (1) | <input type="checkbox"/> | N |
| RCS-1-RV-8010B | Crosby Valve | U1B | N/A | R0261468 | 728 | N/A | Replaced (1) | <input type="checkbox"/> | N |
| Reactor Vessel 1-1 | Combustion Eng | CE66104 | 20760 | R0261478 | Rx. Vessel 1-1 | 1970 | Replaced (2) | <input type="checkbox"/> | Y |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Replaced Valve (2) Replaced CETNA Seal Carrier Assemblies

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks: _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Supper Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Chemical and Volume Control System (08)
5. (a) Applicable Construction Code (See Work Order) 19 ___ Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|-------------------------------------|-------------------------------|
| ELDHE 1-1 | Atlas Industrial | 853 | 704 | C0184327 | ELDHE1 | 1967 | Replaced (1) | <input type="checkbox"/> | Yes |
| BA Xfer PP 1-1 | Westinghouse | SYZ001105A1-RO | N/A | C0186984 | BATP1 | N/A | Replaced (2) | <input type="checkbox"/> | No |
| BA Xfer PP 1-2 | Westinghouse | 4SYZ-00167-A2-NR | N/A | C0186999 | BATP2 | N/A | Replaced (2) | <input type="checkbox"/> | No |
| Line-45 | PG&E | NF | N/A | C0190575 | Line-45 | N/A | Replaced (3) | <input checked="" type="checkbox"/> | No |

7. Description of Work (1) Replaced Flange Bolting (2) Installed Motor Jacking Plates (3) Rework CCP 1-1 Discharge Spool
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 2570 PSIG Test Temp. Amb °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C
 (Title) _____ (Date) _____ (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Chemical and Volume Control System (08)
5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| 73-73 | PG&E | N/A | N/A | C0190958 | Line-1466 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Deleted Pipe Support
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) (Date) (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Safety Injection System (09)
5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| SI-1-8820 | Velan Valve | NF | N/A | C0189419 | Line-1016 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| SI-1-8954B | Anchor Darling | NF | N/A | C0191846 | Line-1295 | N/A | Replaced (2) | <input type="checkbox"/> | No |
| SI-1-8982B | Anchor Darling | NF | N/A | C0195778 | Line-513 | N/A | Replaced (3) | <input type="checkbox"/> | No |
| SI-1-8956C | Anchor Darling | NF | N/A | C0198009 | Line-255 | N/A | Replaced (4) | <input type="checkbox"/> | No |

7. Description of Work (1) Replaced Internals Bolting (2) Replaced Plug (3) Replace Bonnet Bolting (4) Replaced Internals
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) (Date) (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Residual Heat Removal System (10)
5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| RHR PP 1-1 | Ingersoll-Rand | 037050 | N/A | C0198346 | RHRP1 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| RHR-1-RV-8707 | Crosby Valve | RV-2-8707-PEG | N/A | C0200757 | Line-1167 | N/A | Replaced (2) | <input type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Replaced Casing Bolting (2) Replaced Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/02/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above

4. Identification of System Containment Spray System (12)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| CS-1-RV-930 | ACF IND | 1011 | N/A | R0231766 | Spray Add TK 1-1 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| CS-1-RV-931 | ACV IND | 758 | N/A | R0231769 | Spray Add TK 1-1 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Replaced Valve with Spare

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed [Signature] Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
[Signature] Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (Title) (Date) (State or Province, National Board)

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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Component Cooling Water System (14)
5. (a) Applicable Construction Code (See Work Order) 19 ___ Edition ___ Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| CCW-1-476 | Fisher Controls | BF155806 | N/A | C0194262 | Line-321 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| CCW-1-695 | C&S Valve | 59927 | N/A | C0200626 | Line-144 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| CCW-1-RV-52 | Lonergan, J.E. | 011459-1-4-1 | N/A | R0215276 | Line-3292 | N/A | Replaced (1) | <input type="checkbox"/> | Unk |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Replaced Valve
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/02/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.

4. Identification of System HVAC System (23)

5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1

6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|-----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| VAC-1-200 | Mission Drilling Prod | 15SMF-729 | N/A | C0200592 | Line-4389 | N/A | Replaced (1) | <input type="checkbox"/> | No |
| VAC-1-21 | Mission Drilling Prod | 64213 | N/A | C0200679 | Line-3838 | N/A | Replaced (2) | <input type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Replaced Valve (2) Replaced Internals

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure PSIG Test Temp. °F Pressure Test Conducted IAW Code Case N-416-1

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Susan Westcott Engineering Manager 2/03/06
 (Owner or Owner's Designee) (Title) (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-14-2006, Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) (Date) (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc.
See Above
4. Identification of System Incore Flux Mapping System (48)
5. (a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|-------------------------------------|-------------------------------|
| Seal Table | Westinghouse | N/A | N/A | C0200677 | RVST | N/A | Repair (1) | <input checked="" type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Shorten Incore Flux Thimbles (F-14, H-13, H-17)
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure 2255 PSIG Test Temp. 547 °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks Class-1 opening

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Repair conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Repair described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date January 4, 2006
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 0
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Org. P.O. No., Job No., etc. _____
See Above
4. Identification of System Warehouse Stock (85)
5. (a) Applicable Construction Code (See Work Order) 19 Edition _____ Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1989, No Addenda, Code Case N-416-1
6. Identification of components Repaired or Replaced, and Replacement Components.

| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Work Order No. | Other Identification Line No | Year Built | Repaired Replaced, or Replacement | Pressure Test | ASME Code Stamped (Yes or No) |
|-------------------|----------------------|-------------------------|--------------------|----------------|------------------------------|------------|-----------------------------------|--------------------------|-------------------------------|
| 95-1995 | Copes-Vulcan | N/A | N/A | C0194597 | D-100-160-3 | N/A | Repaired (1) | <input type="checkbox"/> | No |
| 95-6458 | Crane | 15SMF-729 | N/A | C0197436 | N/A | N/A | Replaced (2) | <input type="checkbox"/> | No |
| 93-7965 | PG&E | BM07858 | N/A | C0199819 | N/A | N/A | Replaced (3) | <input type="checkbox"/> | No |
| | | | | | | | | <input type="checkbox"/> | |
| | | | | | | | | <input type="checkbox"/> | |

7. Description of Work (1) Refurbished Trim Set (2) Replaced Hinge Pin (3) Replaced Disc
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other _____
 Pressure _____ PSIG Test Temp. _____ °F Pressure Test Conducted IAW Code Case N-416-1
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Repair/Replacement conforms to Section XI of the ASME Code. Signed _____ Engineering Manager 2/07/06
 (Owner or Owner's Designee) Susan Westcott (Title) _____ (Date)

CERTIFICATE OF 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 California, employed by HSB-CT of Hartford, CT have inspected the Replacement/Repair described in this Report on 2-14, 20 06 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-14-2006 Commissions CA 1828 - NB 9990 A.N.I.C.
 _____ (Title) _____ (Date) _____ (State or Province, National Board)

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 in., (2) information in items 1 through 4 on this data 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.

SECTION J

Manufacturers Data Reports For Nuclear/Pressure Vessels

FORM N-1A MANUFACTURERS DATA REPORT FOR NUCLEAR VESSELS
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by Combustion Engineering, Inc., 911 West Main Street, Chattanooga, Tennessee
2. Manufactured for Westinghouse Electric Corporation, P. O. Box 355, Pittsburgh, Pennsylvania
3. Type Vert. Vessel No. 66204 (Name and address of Manufacturer)
4. Shell: Material A-533 Gr. B Cl. 1 T.S. 80,000 (Name and address of Purchaser)
5. Seams: Long 9 H.T. Yes X.R. Yes Efficiency (If Class B)
6. Heads: (a) Material A-508-64 (Flg.) T.S. 80,000 (b) Material A-533 Gr. B Cl. 1 T.S. 80,000
Location Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure

7. Constructed for Design operating press. 2500 psi. at max. temp. 650 F. at temp. of 40 F. Charpy impact 30 ft-lb Hydrostatic Test Press. 3125 psi.
8. Safety or Relief Valve Outlets: Number Size Location
9. Nozzles: Purpose (Inlet, Outlet, Drain) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached

10. Inspection Manholes, No. Size Location
Openings: Handholes, No. Size Location
Threaded, No. Size Location
11. Supports: Skirt No. Lugs 4 Legs Other Attached Welded Here & How
12. Remarks: Pressurized Water Reactor Vessel. Control Rod Housings included.

PACIFIC GAS AND ELECTRIC CO.
APPROVED FOR CONSTRUCTION
RECORDED
FEB 15 1971
DEPARTMENT OF ENGINEERING

NU-00201-49-1

For continuation of Item 4, 6 & 9, See supplement (Brief description of purpose of the vessel - State)

1 If Postweld Heat-Treated.
2 List other internal or external pressure with coincident temperature when applicable.

We certify that the statements made in this report are correct and that all details of material design, construction, and workmanship of the vessel conform to the ASME Code for Nuclear Vessels.
Date November 20 1970 Signed Combustion Engineering, Inc. By H. N. Dinwiddie
Certificate of Authorization Expires April 10, 1972 (Manufacturer)

CERTIFICATION OF DESIGN
Design information on file at Combustion Engineering, Inc., Chattanooga, Tennessee
Stress analysis report on file at Combustion Engineering, Inc., Chattanooga, Tennessee
Design specifications certified by L. Porse Prof. Eng. Yes State Calif. Reg. No. 7352
Stress analysis report certified by Frank P. Hill, Jr. Prof. Eng. Yes State Tenn. Reg. No. 7257

CERTIFICATE OF SHOP INSPECTION
VESSEL MADE BY Combustion Engineering, Inc. at Chattanooga, Tenn.
The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State and employed by Hartford Steam Boiler Inse & Ins. Co. Hartford, Connecticut
have inspected the pressure vessel described in this manufacturer's data report on May 15 1970, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the ASME Code for Nuclear Vessels.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.
Date November 20 1970
M. R. McLellan Inspectors Signature National Board No. 2928
Commissioners National Board or State and No.

FORM N-1A SUPPLEMENTAL DATA REPORT FOR NUCLEAR VESSELS
Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
As required by the Provisions of the ASME Code Rules and the National Board

1. Manufactured by Combustion Engineering, Inc., 911 West Main St., Chattanooga, Tennessee
(Name and address of Manufacturer)

2. Manufactured for Westinghouse Electric Corp., P. O. Box 355, Pittsburgh, Pennsylvania
(Name and address of Purchaser)

3. Type Vert. Vessel No. (66204) (Mfrs. Serial) (State & State No.) Natl. Bd. No. 20760 Year Built 1970
(Horiz. or Vert.)

4. Shell: Material Gr. B Cl. 1 T.S. 80,000 Nom. 8- Corr. 5- In. Diam. 14 Ft. 7/16 Length 42 Ft. 11/16
(Kind & Spec. No.) (Min. of range specified) (Thk. 5/8 In. Allow.)

5. Seams: Long..... H.T.¹..... X.R. Efficiency.....%
(If Class B)

Girth..... H.T.¹..... X.R. No. of Courses.....

6. Heads: (a) Material A-533 Gr. B Cl. 1 T.S. 80,000 (b) Material..... T.S.
Location (Top, bottom, ends) Thickness Crown Radius Knuckle Radius Elliptical Ratio Conical Apex Angle Hemispherical Radius Flat Diameter Side to Pressure (Convex or Concave)
(a) Bottom 5-5/16 88-3/8.....
(b).....
If removable, bolts used..... Other fastening.....
(Material, Spec. No. T.S., Size, Number) (Describe or Attach Sketch)

7. Constructed for operating press².....psi. at max. temp.....°F. at temp. of.....°F.
Charpy impact.....ft-lb
Hydrostatic } Test
Pneumatic or } Press. psi.
Combination }

8. Safety or Relief Valve Outlets: Number..... Size..... Location.....

9. Nozzles:
Purpose (back Outlet, etc.) Number Diam. or Size Type Material Thickness Reinforcement Material How Attached
Body 4 29-7/16" I.D. Forging A-508-64 Cl. 2 2-11/32 Integral Welded
Extension 4 29-7/16" I.D. Forging SA-182 2 2-11/32 Integral Welded

10. Inspection Manholes, No..... Size..... Location.....
Openings: Handholes, No..... Size..... Location.....
Threaded, No..... Size..... Location.....

11. Supports: Skirt..... Lugs (Number)..... Legs (Number)..... Other (Describe)..... Attached..... (Where & How)

12. Remarks:.....
.....
.....
(Brief description of purpose of the vessel - State Contents.)

¹ If Postweld Heat-Treated.

² List other internal or external pressure with coincident temperature when applicable.

We certify that the statements made in this report are correct and that all details of material design, construction, and workmanship of this vessel conform to the ASME Code for Nuclear Vessels.

Date.....19..... Signed..... By.....
(Manufacturer)

Certificate of Authorization Expires.....

CERTIFICATION OF DESIGN

Design information on file at.....
Stress analysis report on file at.....
Design specifications certified by..... Prof. Eng..... State..... Reg. No.
Stress analysis report certified by..... Prof. Eng..... State..... Reg. No.

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY..... at.....
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of..... and employed by..... of.....
have inspected the pressure vessel described in this manufacturer's data report on..... 19....., and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the ASME Code for Nuclear Vessels.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.

Date..... 19.....
..... Commissions.....
Inspectors Signature..... National Board or State and No.

FORM U-1 MANUFACTURERS' DATA REPORT FOR PRESSURE VESSELS
As required by the Provisions of the ASME Code Rules, Section VIII, Division I

1. Manufactured by Atlas Industrial Mfg. Company, 81 Somerset Place, Clifton, New Jersey
(Name and address of Manufacturer)

Manufactured for Westinghouse Electric Corp., Atomic Power Division, Pitts., Pa.
(Name and address of Purchaser)

Type Vert. Kind Heat Exch. Vessel No. (853) (Serial) (State & State No.) Natl. Bd. No. 704 Yr. Built 1969
(Horiz. or Vert.) (Tank, Jacketed, Heat Exch.)

Items 4-9 incl. to be completed for shells of heat exchangers.

4. SHELL: Material C.S., SA-53-B T.S. 60,000 Nominal Thickness .322 In. Allowance 1/8 In. Corrosion 0 In. Diam. 0 Ft. 8 5/8 In. Length 9 Ft. 2 1/2 In.

5. SEAMS: Long Seamless H.T. No R.T. No Sectioned No Efficiency 80 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

6. HEADS (a) Material C.S., SA-234 T.S. 60,000 (b) Material _____ T.S. _____
Location (Top, bottom, ends) Thickness .322 Crown Radius Weld Knuckle Radius Cap Elliptical Ratio 2:1 Conical Apex Angle _____ Hemispherical Radius _____ Flat Diameter _____ Side to Pressure (Convex or Concave) Concave
(a) Top (b) _____

If removable, bolts used _____ Other fastening Welded to Shell
(Material, Spec. No., T.S., Size, Number) (Describe or Attach Sketch)

7. STAYBOLTS: _____ If hollow _____ Attachment _____ Pitch _____ X _____ Diam. _____
(Material) (Size of Hole) (Threaded, Welded) (Horiz.) (Vert.) (Nominal)

8. JACKET CLOSURE: _____
(Describe as ogee & weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

9. Constructed for max. allowable working press. 150 psi at max. temp. 250 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press 225 psi.

Items 10 and 11 to be completed for tube sections.

10. TUBE SHEETS: Stationary. Material SS-316, SA-240 Diam. 7 1/4 In. Thickness 4 In. Attachment Bolted
(Kind & Spec. No.) (Subject to Pressure) (Welded, Bolted)

Floating. Material SA-213 Diam. _____ In. Thickness _____ In. Attachment _____
(Kind & Spec. No.)

11. TUBES: Material SS-304 O.D. 5/8 In. Thickness 16 Gauge Number 22 Type U
(Kind & Spec. No.) (Straight or U)

Items 12-15 incl. to be completed for channels of heat exchangers.

12. SHELL Material SS-316, SA-240 T.S. 75,000 Nominal Thickness 3/4 In. Allowance 0 In. Corrosion 0 In. Diam. 0 Ft. 9 1/2 In. Length 0 Ft. 5 3/4 In.

13. SEAMS: Long Dbl Butt H.T. No R.T. Complete Sectioned No Efficiency 100 %
(Welded, Dbl., Single, Lap, Butt) (Yes or No) (Spot or Complete) (Yes or No)

If riveted describe seams fully on reverse side of form.

14. HEADS (a) Material SS-316 T.S. 75,000 (b) Material _____ T.S. _____ (c) Material _____ T.S. _____

Location Thickness 3/4 Crown Radius _____ Knuckle Radius _____ Elliptical Ratio 2:1 Conical Apex Angle _____ Hemispherical Radius _____ Flat Diameter _____ Side to Pressure (Convex or Concave) Concave
(a) Bottom (b) Channel (c) Floating

If removable, bolts used (a) A.S.; SA-193-B7; 125,000; 1 5/8"; 12(b)
(Material, Spec. No., T.S., Size, Number)

(c) _____ Other fastening _____
(Describe or Attach Sketch)

15. Constructed for max. allowable working press. 2485 psi at max. temp. 650 °F. Min. temp. (when less than -20°) _____ °F. Hydrostatic Test Press 3730 psi.

Items below to be completed for all vessels where applicable.

16. SAFETY VALVE OUTLETS: Number _____ Size _____ Location _____

17. NOZZLES

| Purpose (Inlet, Outlet, Drain) | Number | Diam. or Size | Type | Material | Thickness | Reinforcement Material | How Attached |
|--------------------------------|--------|---------------|-------------|-----------|-----------|------------------------|--------------|
| Inlet-Outlet | 2 | 4" | 150#WN | C.S. | .237" | | Welded |
| Inlet-Outlet | 2 | 2" | Socket Weld | Cplg S.S. | .343" | | Welded |
| Drains | 3 | 3/4" | Socket Weld | Cplg S.S. | 3000# | | Welded |
| Vent-Drain | 2 | 3/4" | Half Cplg. | F.S. | 3000# | | Welded |

FORM U-1 (back)

18 INSPECTION Manholes, No. _____ Size _____ Location _____
 OPENINGS: Handholes, No. _____ Size _____ Location _____
 Threaded, No. _____ Size _____ Location _____
 19. SUPPORTS: Skirt No (Yes or No) Lugs 2 (Number) Legs _____ (Number) Other _____ (Describe) Attached Bonnet Weld (where & how)

20. REMARKS: #8-114, 69.3 sq.ft. Excess Letdown Heat Exchanger
Tube Side Constructed in accordance with Section III Class "C", 1965 Edition. Shell
Side Constructed in accordance with Section VIII, 1965 Edition.
Westinghouse Elec. Corp. P.O. # 54-Z-70522-B, Item # E-34, WAPD S.P.I.N.
PGCSAHEL Atlas Job # 1372-9

(Brief description of purpose of the vessel, as Air Tank, After Cooler, Jacketed Cooker, etc. State contents of each part.)

We certify that the statements made in this report are correct and that all details of design, material, construction, and workmanship of this vessel conform to the ASME Code for Pressure Vessels, Section VIII, Division 1.

Date MARCH 13 1969 Signed Atlas Ind., Mfg. Company (Manufacturer) By Frank D. Lorenzo

Certificate of Authorization Expires 12/31/70 #5027

CERTIFICATE OF SHOP INSPECTION

VESSEL MADE BY Atlas Industrial Mfg. Company at 81 Somerset Place, Clifton, N.J.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province _____ and employed by Commercial Union Insurance Group of New York, New York

have inspected the pressure vessel described in this manufacturer's data report on MARCH 13 1969, and state that to the best of my knowledge and belief, the manufacturer has constructed this pressure vessel in accordance with the applicable sections of the ASME Boiler and Pressure Vessel Code.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.

Date MARCH 13 1969

John P. ...
 Inspector's Signature

Commissions N.B. # 6214
 Nat'l Board, State, or Province and No.

CERTIFICATE OF FIELD ASSEMBLY INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province _____ and employed by _____ of _____

have compared the statements in this manufacturer's data report with the described pressure vessel and state that parts referred to as data items _____ not included in the certificate of shop inspection have been inspected by me and that to the best of my knowledge and belief the manufacturer has constructed and assembled this pressure vessel in accordance with the applicable sections of the ASME

Boiler and Pressure Vessel Code. The described vessel was inspected and subjected to a hydrostatic test of _____ psi.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data 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.

Date _____ 19 _____

 Inspector's Signature

Commissions _____
 Nat'l Board, State, or Province and No.