



**Pacific Gas and
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February 8, 2010

PG&E Letter DCL-10-008

U.S. Nuclear Regulatory Commission
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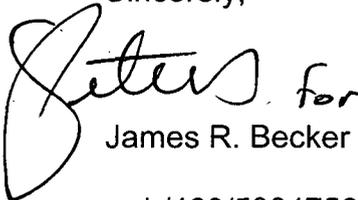
Docket No. 50-323, OL-DPR-82
Diablo Canyon Unit 2
Inservice Inspection Report for Unit 2 Fifteenth Refueling Outage

In accordance with ASME Section XI, paragraph IWA-6240(b), enclosed is the Diablo Canyon Power Plant Unit 2 Fifteenth Refueling Outage (2R15) Inservice Inspection (ISI) Report. This report provides the results of the ISI examination of Class 1, 2, and 3 components and supports and Reactor Bottom Head Visual inspections. Also included is a listing of the preservice inspection items and the NIS-2 reports for repair/replacement activities completed since the last Unit 2 refueling outage report submittal. The Unit 2 reactor vessel upper head was replaced with an integrated head assembly (IHA) and was first placed in service during 2R15.

There are no new or revised regulatory commitments as defined by the Nuclear Energy Institute 99-04, "Guidelines for Managing NRC Commitment Changes," dated July 1999, in this report.

If you have any questions regarding the information enclosed, or other ISI program activities, please contact Mr. Patrick Nugent, Manager, Technical Support Engineering, at (805) 545-4701.

Sincerely,



James R. Becker

swh/469/50047566

Enclosure

cc: Diablo Distribution
cc/encl: Elmo E. Collins, NRC Region IV
Michael S. Peck, NRC Senior Resident
Alan B. Wang, NRC Project Manager
State of California, Pressure Vessel Unit

A047
NRK

Diablo Canyon Power Plant

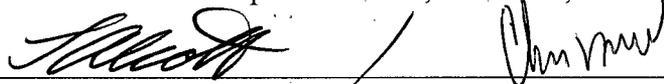
Unit 2

USNRC Docket No. 50-323

Operating License No. DPR-82

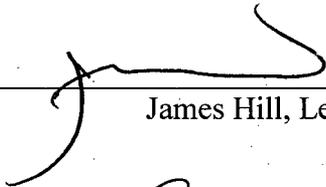
Commercial Operation Date, March 13, 1986

Prepared By:



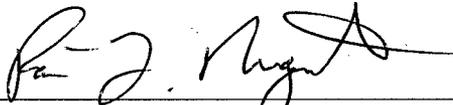
Thomas L. Alcott / Chris T. Beard, ISI Specialists

Reviewed By:



James Hill, Lead ISI Specialist

Approved By:



Patrick Nugent, 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.

Document Date: 2/01/10

Pacific Gas and Electric Company
77 Beale Street, San Francisco, CA 94106

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

TABLE OF CONTENTS

<u>SECTION</u>	<u>TITLE</u>
A.	Introduction
B.	ASME Code Report Form NIS-1 (Basis of Summary)
	1. Class 1
	2. Class 2
C.	Class 1 Components
	1. Vessels
	a. Reactor Vessel
	b. Pressurizer
	2. Bolting
	3. Valves
	4. Piping
	5. Supports
D.	Class 2 & 3 Components
	1. Piping
	2. Integral Attachments
	3. Pumps
	4. Supports
E.	Containment (IWE) Exams
F.	System Pressure Tests
G.	Containment Penetration - Appendix J
H.	Preservice Inspection Items
I.	Repairs and Replacements
	1. ASME Code Report Form NIS-2 (Indexed by System) (Manufacturers' Data Reports for 'New Items' are attached behind the applicable NIS-2)

SECTION A
INTRODUCTION

SECTION A

INTRODUCTION

Inservice inspection (ISI) of scheduled ASME Section XI Class 1, 2, and 3 components and their supports at Pacific Gas and Electric Company's Diablo Canyon Power Plant (DCPP) Unit 2 was completed during the fifteenth refueling outage from October through November, 2009. The DCPP Unit 2 fifteenth refueling outage (2R15) was the second outage in the first period within the third 10-year ISI interval.

2R15 exams were scheduled and performed as required by ASME XI, 2001 Edition thru 2003 addenda, as modified by 10CFR 50.55a.

This report is submitted as required by ASME Section XI, paragraph IWA-6240(b), and is organized in several sections. This introduction is Section A. Section B contains the completed ASME Code Report Form NIS-1 for Class 1 and 2 components. Sections C, and D, detail the Class 1, 2 and 3 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.

Containment (IWE) exams are reported in section E

System pressure tests on Class 1, 2, and 3 systems conducted during the period following 2R14, up to and through 2R15, are reported in Section F.

Appendix J, Containment penetration pressure tests are reported in Section G.

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

Section I of this report, Repairs and Replacements, contains the completed ASME Code Report Form NIS-2 for those 2R15 work packages closed prior to or on Dec 10, 2009 and for any pre-2R15 work packages closed after May 12, 2008. NIS-2 reports for 2R15 work packages that are closed after Dec 10, 2009 will be included in the next outage report. Corrective action and Order package documentation are on file at DCPP and are referenced by Order number in the NIS-2 reports.

The Unit-2 Reactor Vessel Upper Head was replaced during 2R15.

Manufacturers' Data Reports for 'New Items' are attached behind the applicable NIS-2.

continued.....

INTRODUCTION (continued)

In addition to the ASME Code examinations reported here, the following Reactor Vessel examinations were performed during 2R15:

Reactor Vessel Bottom Head Visual Examinations:

On September 10, 2008, the Federal Register published the Final Rule 10 CFR 50.55a(g)(6)(ii)(E)(1) establishing ASME Section XI Code Case N-722-1, with additional conditions stated in 10CFR, as the inspection requirement for reactor pressure vessel bottom heads at pressurized water reactor facilities.

In accordance with the requirements of ASME Section XI Code Case N-722-1, Category Item B15.80, the 58 reactor vessel bottom head penetrations were visually examined for evidence of pressure boundary leakage. This was accomplished by use of a robotically deployed inspection camera system whose resolution was confirmed to be equivalent to bare metal direct visual (VE) examination. The Unit 2 bottom head insulation package permits access with this equipment. All 58 bottom mounted instrumentation tube penetrations were examined with no limitations encountered. No evidence of pressure boundary leakage was detected.

SECTION B

ASME CODE REPORT FORM NIS-1

FORM NIS-1 OWNER'S 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 Two 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 03/13/86 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 (Bottom Head)	Combustion Engineering/ Westinghouse	CE 68101	12962-85	21359
Class 1 Pumps RCP 2-1	Westinghouse	711	N/A	N/A
Class 1 Supports	M.W. Kellogg/ Pullman	N/A	N/A	N/A
Class 1 Valves	Various	N/A	N/A	N/A
Class 1 Piping	M.W. Kellogg/ Pullman	N/A	N/A	N/A
Pressurizer Safe End Weld Overlays	AREVA	N/A	N/A	N/A
Pressurizer	Westinghouse	1171	N/A	68-106
Reactor Vessel (Top Head)	B&W / AREVA	700-0168-52 Unit #2	N/A	N/A

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in 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 10/09 to 11/09
- 9. Inspection Period Identification: First
- 10. Inspection Interval Identification: Third
- 11. Applicable Edition of Section XI 2001 Addenda 2003
- 12. Date/Revision of Inspection Plan: February 2007, Revision A
- 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
- 15. 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 2/2/10 Signed PG&E By Patrick Nugent
Owner Patrick Nugent / Engineering Manager

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB-CT of Harford, CT have inspected the components described in this Owners' Report during the period 5/08 to 12/09, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Kenny Kim Commissions CA 1828, NB 9990 A.N.I.C.
Inspector's Signature/Kenny Kim National Board, State, Province and, Endorsements.

Date 2-4-10

FORM NIS-1 OWNER'S 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 Two 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 03/13/86 6. National Board Number for Unit N/A
7. Components Inspected ASME Code Class 2 Items

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Class 2 Piping Supports	Various	N/A	N/A	N/A
Class 2 Piping	M.W. Kellogg/ Pullman	N/A	N/A	N/A
Class 2 Pumps CCP 2-1	Pacific Pumps	45611	N/A	N/A
U2 Containment Liner	Pittsburgh - Des Moines Steel & PG&E	N/A	N/A	N/A
U2 Containment Bolted Connections	Pittsburgh - Des Moines Steel & PG&E	N/A	N/A	N/A
Class 2 Vessel RHR HX 2-1	Engineers and Fabricators Co.	S-15588-C	N/A	1112

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 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 10/09 to 11/09
- 9. Inspection Period Identification: First
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- 12. Date/Revision of Inspection Plan: February 2007, Revision A
- 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
- 15. 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 2/2/10 Signed PG&E By Patrick Nugent
Owner Patrick Nugent / Engineering Manager

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California and employed by HSB-CT of Harford, CT have inspected the components described in this Owners' Report during the period 5/08 to 12/09, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Kenny Kim Commissions CA 1828, NB 9990 A.N.I.C.
Inspector's Signature/Kenny Kim National Board, State, Province and, Endorsements.
Date 2-4-10

SECTION C

CLASS ONE COMPONENTS

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15) MAJOR ITEM: BOLTING

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-G-2							
B7.20	Bolts <2" diam	Pzr2 Manway Bolting	Pzr2 Manway Bolting	VT-1	10-22-09		NRI
B7.60	RCP 2-1 Lower Seal Bolts	Lower Seal Housing Bolts	12 RCP Socket Head Screws	VT-1	10-14-09		NRI
B7.70	RHR Pump 2-1 Inj CL 1	2S6-3844-6SPL+	2V-8818A Bonnet: 12 Studs & Nuts	VT-1	10-13-09		NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: VALVES

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-M-2							
B12.50	Valve Interior	2S6-3846-6SPL+	2V-8818A Interior	VT-3	10-13-09		NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15) MAJOR ITEM: PIPING

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
RI-ISI (RB)							
	Loop 1 Spray Line	2S6-13-4SPL	WIB-78	UT	10-20-09		NRI
			WIB-78A	UT	10-20-09		NRI
			WIB-59B	UT	10-14-09		NRI
	Charging Line Loop 4	2S6-246-3SPL+	WIB-314	UT	10-14-09		NRI
			WIB-312	UT	10-14-09		NRI
	Accumulator Injection Loop 1	2S6-256-10SPL+	WIB-292	UT	10-18-09		NRI
	Accumulator Injection Loop 4	2S6-256-10SPL+	WIB-291	UT	10-15-09		NRI
	Safety Inj Loop 3 Hot Leg	2S6-237-6SPL+	WIB-235	UT	10-7-09		NRI
			WIB-234	UT	10-7-09		NRI
	Charging Line Loop 3	2S6-50-3SPL+	WIB-188	UT	10-20-09		NRI
	Safety Inj Loop 2 Hot Leg	2S6-236-6SPL+	WIB-110	UT	10-8-09		NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15) MAJOR ITEM: PIPING

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
Alloy 600 Overlay Welds							
	Pressurizer Surge Line	2*-16-14SPL	WIB-439SE	UT	10-07-09	Overlay Exam (AREVA)	NRI
	Pressurizer RV 8010A Inlet	2S6-729-6SPL	WIB-369SE	UT	10-08-09	Overlay Exam (AREVA)	NRI
	Pressurizer RV 8010B Inlet	2S6-728-6SPL	WIB-423SE	UT	10-08-09	Overlay Exam (AREVA)	NRI
	Pressurizer RV 8010C Inlet	2S6-727-6SPL	WIB-359SE	UT	10-08-09	Overlay Exam (AREVA)	NRI
	Pressurizer Relief Line	2S6-730-6SPL	WIB-380SE	UT	10-08-09	Overlay Exam (AREVA)	NRI
	Pressurizer Spray Line	2S6-15-4SPL	WIB-345SE	UT	10-08-09	Overlay Exam (AREVA)	NRI
MRP-146							
	RCS Loop-1 Crossover Drain	Line-958-2SPL	Base mat'l as per eng sketch	UT	10-20-09	MRP-146	NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PIPING SUPPORTS

ASME SECTION XI SYSTEMS - CLASS 1

PAGE 1 of 1

CATEGORY

F-A SUPPORTS

F1.10 TO F1.70 SUPPORT COMPONENTS

The required inservice inspections were performed on 30 Class 1 hangers during the fifteenth refueling outage between the dates of 10/06/09 and 10/22/09. All supports found acceptable. Data reports are on file.

LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT
		16	1-23V	246	7-8R	3844	92-40R
RCP 2-1	Support Structure	16	1-24V	253	1-27R		
13	2-34V	51	2212-20	727	989-17R		
13	412-109R	51	2215-5	730	989-23V		
13	92-23A	51	409-3A	1665	6-3V		
13	92-6V	51	78-363R	1665	6-5V		
13	92-72V	51	898-3	1991	2734-36		
13	92-8R	51	898-5	1991	2734-40		
15	92-4V	235	2-28V	1995	7-33R		
15	92-64V	235	412-129R	2575	412-157R		

SECTION D
CLASS TWO AND THREE COMPONENTS

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15) MAJOR ITEM: PIPING

ASME SECTION XI SYSTEMS - CLASS 2

PAGE 1 of 1

CATEGORY ITEM	DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
RI-ISI (RB)							
	Charging Injection Inlet	2S6-2032-6III	WIC-1033	UT	10-6-09		NRI
			WIC-319A	UT	10-6-09		NRI
	Charging Injection Outlet	2S6-2033-4III	WIC-2033A	UT	10-6-09		NRI
	RHR Injection to Hot Leg 1&2	2S1-985-12IIIP	WIC-149A	UT	10-18-09		NRI
			WIC-149B	UT	10-18-09		NRI
	Stm Gen 1 Feedwater Supply	2K16-554-16IV	WICG-01-1A	UT	10-19-09		NRI
			WICG-102-1	UT	10-19-09		NRI
	Stm Gen 3 Feedwater Supply	2K16-557-16IV	RB-557-17	UT	10-18-09		NRI
	Refueling Wtr Stg Tk Out Hdr	2S2-221-18	RB-221-7	UT	10-1-09	Weld included per RIISI	NRI
			RB-221-8	UT	10-1-09	Weld included per RIISI	NRI
	Res Ht Exchanger 2 Outlet	2S1-119-8III	RB-119-11	UT	10-1-09	Successive exam due to 2R14 indication - 64002462, reference AR #A0663750	NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM:
INTEGRAL ATTACHMENTS

PAGE 1 of 1

CATEGORY ITEM	DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
C-C							
C3.10	Pressure Vessel welded attachment	RHR Heat Exchanger 2-1	Support Leg Attmnt Item no. 19 (front)	PT	10-1-09		NRI
C3.20	RHR Pump 2-2 Welded Attach.	Line 2S1-111- 14III	47-143A Attachment	PT	10-11-09		NRI
	RHR Pp 2-2 Inj Welded Attach.	Line 2S1-509-8III	8-55A Attachment	PT	10-13-09		NRI
	CCP 2-1 Disch. Welded Attach.	Line 2S2-45-4	23-35R Attachment Lugs	PT	10-11-09		NRI
	Hx to 2V-8106 Welded Attach.	Line 2S6-48-3	949-191V Attachment	PT	10-10-09		NRI
	CCP 2-1: Welded Attachments	Cent Chg Pp 2-1	Attachment Weld Items 3,4	PT	10-12-09		NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PIPING SUPPORTS

ASME SECTION XI SYSTEMS - CLASS 2

PAGE 1 of 1

CATEGORY

F-A SUPPORTS

F1.10 TO F1.70 SUPPORT COMPONENTS

The required inservice inspections were performed on 28 Class 2 hangers during the fifteenth refueling outage between the dates of 10/06/09 and 10/22/09. All supports found acceptable. Data reports are on file.

LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT
48	949-191V	224	48-22V	509	8-55A	CFCU 2-1	Supports
53	23-42R	262	413-526V	572	413-303R	SI Pump 2-1	Pp Pedestals and Base
54	564-13	263	413-527V	576	413-424R	Steam Generator 2-1	Snub attach belly band
54	564-63	314	404-28R	746	49-112A	Steam Generator 2-1	SG-02-01-NE
54	564-152	315	50-2V	927	6-2R	Steam Generator 2-1	SG-02-01-NW
111	47-143A	319	8-4R	1466	923-44	Steam Generator 2-1	SG-02-01-SE
112	22-6R	320	414-28R	3844	92-53R	Steam Generator 2-1	SG-02-01-SW

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PIPING SUPPORTS

ASME SECTION XI SYSTEMS - CLASS 3

PAGE 1 of 1

CATEGORY

F-A SUPPORTS

F1.10 TO F1.70 SUPPORT COMPONENTS

The required inservice inspections were performed on 8 Class 3 hangers during the fifteenth refueling outage between the dates of 10/06/09 and 10/22/09. All supports found acceptable. Data reports are on file.

LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT
103	413-126A	558	42-10R	6159	414-789R	ASW Pump 2-1	28-44R
127	414-5R	568	414-506V	AFW Pump 2-1	Legs pedestal and base	Letdown HX 2-1	2 Supports to Base

SECTION E
CONTAINMENT EXAMS

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15) MAJOR ITEM: CONTAINMENT

ASME SECTION XI SYSTEMS -
CONTAINMENT

PAGE 1 of 1

CATEGORY ITEM	DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
E-A	Containment Liner	Containment Liner	Containment Liner	VT GEN-1	10-23-09	No major degradation of liner. Paint chips, blistering or gouging and other liner surface discontinuities are listed in the exam report tracking sheets.	NRI
E-G	Bolted Connections	Containment Equipment Hatch	Equip Hatch bolting (1/3)	VT-1	11-2-09		NRI

SECTION F
PRESSURE TESTS

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1, 2, & 3

PAGE 1 of 4

TEST NO.	CLASS	DESCRIPTION	EXAM DATE	COMMENTS	RESULTS
1	1	Reactor Coolant System and Connected Piping	11-08-09	Outage Frequency, STP-R8A	NRI
2	1	Excess Letdown between 8166 & 8167	11-08-09	Outage Frequency, STP-R8A	NRI
3	1	Auxillary Pressurizer spray	11-08-09	Outage Frequency, STP-R8A	NRI
4	1	Alternate Charging	11-08-09	Outage Frequency, STP-R8A	NRI
5	1	RHR & SI to Cold Legs	11-08-09	Outage Frequency, STP-R8A	NRI
6	1	Charging Injection Inside Cont.	11-08-09	Outage Frequency, STP-R8A	NRI
7	1	Safety Injection Inside Cont, From 8905A-D to 8949A-D	11-08-09	Outage Frequency, STP-R8A	NRI
8	1	RHR Between 8702 & 8701	11-08-09	Outage Frequency, STP-R8A	NRI
3	2	Auxiliary Feedwater Pump X-1 Discharge	11/11/09	Period-1 Exam	NRI
4	2	RCS Loops 1 & 4 Hot Leg Sample Lines	11/09/09	Period-1 Exam	NRI
5	2	Pressurizer Sample Lines	11/09/09	Period-1 Exam	NRI
6	2	XS Ltdn HX & Piping from 8167 to HCV-123	11/09/09	Period-1 Exam	NRI

PG&E

DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1, 2, & 3

PAGE 2 of 4

TEST NO.	CLASS	DESCRIPTION	EXAM DATE	COMMENTS	RESULTS
7	2	RCP Hi Press Seal Water Out & XS Ltdn HX Outlet Piping	11/09/09	Period-1 Exam	NRI
8	2	Charging Pumps Discharge Piping	11/09/09	Period-1 Exam	NRI
10	2	Alt Charging Between 8483, 8147 & 8379A	11/09/09	Period-1 Exam	NRI
11	2	Charging Injection 8803A & B to 8801A & B	10/28/09	Period-1 Exam	NRI
14	2	Regenerative HX and Letdown Piping	11/09/09	Period-1 Exam	NRI
15	2	Boric Acid Pumps Disch Piping	10/31/09	Period-1 Exam	NRI
15a	2	Boric Acid Pumps Disch Piping Between 8104 and 8445	11/04/09	Period-1 Exam	NRI
16	2	Boric Acid Tanks to Pump Disch Iso Valves	10/29/09	Period-1 Exam	NRI
19	2	RWST & Supply to RHR, Cont Spray, SI, Refueling Wtr Purification Pumps & Recirc Line to RHR HX	11/02/09	Period-1 Exam	NRI
21	2	Safety Injection Pump Discharge to 8802A & B and Cold Legs	11/09/09	Period-1 Exam	NRI
23	2	RHR Pumps and Discharge Piping	10/26/09	Period-1 Exam	NRI
24	2	RHR Hot Leg injection from 8703 to 8740A & B	11/08/09	Period-1 Exam	NRI

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DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1, 2, & 3

PAGE 3 of 4

TEST NO.	CLASS	DESCRIPTION	EXAM DATE	COMMENTS	RESULTS
25	2	Spray Additive Tank and Unisolable piping	10/25/09	Period-1 Exam	NRI
30	2	CCW Supply & Return to Cont Fan Coolers, RCPs and XS Letdown Heat Exchanger	10/31/09	Period-1 Exam	NRI
32	2	RX Vessel Level Indication and Vent System	11/09/09	Period-1 Exam	NRI
41	2	Refueling Canal Water Inlet (pen 46)	10/21/09	Period-1 Exam	NRI
46	2	RHR Suction from RCS	11/04/09	Period-1 Exam	NRI
47	2	Refueling Canal Water Outlet (pen 47)	10/21/09	Period-1 Exam	NRI
1a	3	Motor Driven Aux Feedwater Pumps Discharge Piping Cross Tie	11/08/09	Period-1 Exam	NRI
2	3	Turbine Driven Auxiliary Feedwater Pump Discharge Piping	11/11/09	Period-1 Exam	NRI
3	3	Condensate Storage Tank & Suction Lines to Auxiliary Feedwater & makeup Water Pumps	11/19/09	Period-1 Exam	NRI
4	3	Turbine Driven Auxiliary Feedwater Pump Steam Supply	11/11/09	Period-1 Exam	NRI
5	3	Component Cooling Water System (Except Class 2 and Test 6)	10/31/09	Period-1 Exam	NRI
6	3	Class 3 Component Cooling Water Inside Containment	11/01/09	Period-1 Exam	NRI

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DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: PRESSURE TESTS

ASME SECTION XI SYSTEMS - CLASS 1, 2, & 3

PAGE 4 of 4

TEST NO.	CLASS	DESCRIPTION	EXAM DATE	COMMENTS	RESULTS
7	3	Fire Water Transfer Tank	3/15/09	Period-1 Exam	NRI
8	3	Makeup Water Transfer Pumps Discharge to CCW & Spent Fuel Pit System	10/28/09	Period-1 Exam	NRI
8a	3	Makeup Water Transfer Pumps Discharge to SFP (MU-803 to SFP)	12/15/09	Period-1 Exam	NRI
9a	3	ASW Train-1 Supply to CCW Heat Exchanger	10/26/09	Period-1 Exam	NRI
9c	3	ASW Train-2 Supply to CCW Heat Exchanger	10/26/09	Period-1 Exam	NRI
12	3	Raw Water Storage Reservoir to Auxiliary Feedwater Pumps Suction	10/11/09	Period-1 Exam	NRI
13	3	Raw Water Storage Reservoir to Auxiliary Feedwater Pumps from FCV-436 & 437 to FW-349 & 353	10/11/09	Period-1 Exam	NRI
14	3	Refuel Water Purification Pump Suction & Discharge	1/21/10	Period-1 Exam	NRI
15	3	SFP to Refuel Water Purification Pump Suction	11/02/09	Period-1 Exam	NRI
16	3	SI Pump Recirc to the RWST	11/09/09	Period-1 Exam	NRI
17	3	RWST / Refueling Canal to Refuel Water Purif Pump Suction	10/21/09	Period-1 Exam	NRI
1 & 2		Bolted joints following insulation removal at zero pressure and containing Boric Acid.	10/06 thru 10/22/09	BA leakage reported on Notifications: 50273822, 50274424, 50276114	RI

SECTION G

ILRT/Appendix J Containment Penetration Pressure Tests

Note: All Appendix J penetrations were performed during 2R14.
The Appendix J penetrations listed here are only the penetrations that received an LLRT during 2R15.

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DIABLO CANYON POWER PLANT - UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT (2R15)

MAJOR ITEM: Containment Penetration
Appendix J

ASME SECTION XI SYSTEMS - CONTAINMENT

PAGE 1 of 1

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	10/6/09	63	V-663	Acceptable	9/17/09				
21	V-621	Acceptable	10/8/09	68	V-668	Acceptable	10/18/09				
22	V-623	Acceptable	10/8/09	69	V-668	Acceptable	10/18/09				
23	V-623	Acceptable	10/8/09	76A	V-676A	Acceptable	10/10/09				
30	V-630	Acceptable	10/7/09	76B	V-676B	Acceptable	10/10/09				
45	V-645	Acceptable	10/19/09	52E	V-678	Acceptable	10/20/09				
51B	V-651B	Acceptable	10/8/09	52F	V-678	Acceptable	10/20/09				
56	V-656	Acceptable	11/2/09	78A	V-678	Acceptable	10/20/09				
57	V-657	Acceptable	10/11/09	78B	V-678	Acceptable	10/20/09				
59A	V-659A	Acceptable	10/6/09	81	V-681	Acceptable	10/9/09				
59B	V-659B	Acceptable	10/10/09	82A	V-682A	Acceptable	10/9/09				
59C	V-659C	Acceptable	10/9/09	82B	V-682B	Acceptable	10/12/09				
61	V-661	Acceptable	9/15/09	82C	V-682B	Acceptable	10/12/09				
62	V-662	Acceptable	9/15/09								

SECTION H
PRESERVICE INSPECTION ITEMS

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DIABLO CANYON POWER PLANT – UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT
(2R15)

MAJOR ITEM: PSI

ASME SECTION XI SYSTEMS – CLASS 1, 2, & 3 PRESERVICE INSPECTION ITEMS

PAGE 1 of 2

The required preservice inspections were performed on 20 components and 14 supports during the fifteenth refueling outage.

CATEGORY	Name of Component	System	Exam Type	Work Order No.	Other Ident. Line No	Notes
B-G-1	New CETNA Housings and IPHAF Threads	07	VT-1	68006023-0020	RPV CETNAS	IPHAF = Inst Port Head Adapter Flange
B-G-2	RV-8010 SPARE	07	VT-1	60014607-0010	S/N U2SA	
	RV-8010 SPARE	07	VT-1	60014608-0010	S/N U2SB	
	RV-8010 SPARE	07	VT-1	60014609-0010	S/N U2SC	
	RCS-2-8033A	07	VT-1	60002150-0100	LINE-14	
	RCS-2-8033C	07	VT-1	60006371-0100	LINE-13	
	RCS-2-8033D	07	VT-1	60006372-0100	LINE-13	
	RCS-2-8033B	07	VT-1	60006369-0100	LINE-14	
	CVCS-2-8379A	08	VT-1	60006365-0005	LINE-50	
	CVCS-2-8379B	08	VT-1	60006366-0005	LINE-246	
	CVCS-2-8378A	08	VT-1	60006361-0005	LINE-50	
	CVCS-2-8378B	08	VT-1	60006363-0005	LINE-246	
	CVCS-2-LCV-460	08	VT-1	60002143-0100	LINE-24	
	CVCS-2-8148	08	VT-1	60020193-0100	LINE-4532	
	SI-2-8948C	09	VT-1	60003025-0200	LINE-255	
	SI-2-8949A	09	VT-1	60007926-0200	LINE-235	
B-M-2	RV-8010 SPARE	07	VT 3-2	60014607-0010	S/N U2SA	Converted to Steam Seat
	RV-8010 SPARE	07	VT 3-2	60014608-0010	S/N U2SB	Converted to Steam Seat
	RV-8010 SPARE	07	VT 3-2	60014609-0010	S/N U2SC	Converted to Steam Seat
	RV-8010 SPARE	07	VT 3-2	60013619-0010	S/N U1A	Converted to Steam Seat

PG&E

DIABLO CANYON POWER PLANT – UNIT 2

THIRD INTERVAL, FIRST PERIOD, SECOND REFUELING OUTAGE REPORT
(2R15)

MAJOR ITEM: PSI

ASME SECTION XI SYSTEMS – CLASS 1, 2, & 3 PRESERVICE INSPECTION ITEMS

PAGE 2 of 2

CATEGORY	Name of Component	System	Exam Type	Work Order No.	Other Ident. Line No	Notes
B-O	CRD HOUSING 55 WELD	07	PT		Control Rod Housing	Selected ISI welds.
	CRD HOUSING 73 WELD	07	PT		Control Rod Housing	
	CETNA HOUSING 74 WELD	07	PT		CETNA Housing	
F-A	2216-144	09	VT-3	68005549		Modified a selected support
	SG 2-1, 2-2, 2-3, 2-4 LLS	07	VT-3	60014441	SG Lower Lateral Supports	SGRP attachments.
	AFW Pump 2-1 Base Plate	03	VT-3	60020888-0010	AFW PP 2-1	Welded attachment to pump base plate.
	SG02-01SL-SW	04	VT-3	60020038-0010	PAUL-MUNROE	Replaced snubber control valve.
	70-66SL	04	VT-3	60015127-0200	S/N 75	Replaced Snubber
	78-293SL	04	VT-3	60014957-0200	S/N 53	Replaced Snubber
	412-154SL	07	VT-3	64012707-0275	S/N 277	Replaced Snubber
	413-224SL	07	VT-3	60020225-0200	S/N 138	Replaced Snubber
	78-137SL	08	VT-3	60020159-0200	S/N 17	Replaced Snubber
	78-419SL	08	VT-3	60015123-0200	S/N 79	Replaced Snubber
	72-57SL	14	VT-3	60020226-0200	S/N 57	Replaced Snubber

RPV Upper Head Replacement Project	U2 Reactor Vessel Head	07	NDE by AREVA	AREVA Traveler	RPV Upper Head	Most NDE performed in Indiana at B&W fabrication facility. Omega Seal weld, head vent piping and RVILIS piping NDE performed at DCP. Reports available at DCP.

SECTION I
REPAIRS AND REPLACEMENTS

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 (c) Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
Line-566	PG&E	N/A	N/A	C0210613	Line-566-1.5"	1985	Installed (1)	<input checked="" type="checkbox"/>	No
FW-2-LCV-111	Control Components Inc.	12428-1-2	N/A	60002229	Line-576-3"	1985	Installed (2)	<input checked="" type="checkbox"/>	No
AFW PP 2-1	Borg-Warner	(baseplate)	N/A	60020888	PP 2-1 baseplate	1985	Installed (3)	<input type="checkbox"/>	No
								<input type="checkbox"/>	

7. Description of Work (1) Replaced piping. (2) Replaced bonnet, bonnet bolting & internals. (3) Weld studs to baseplate.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure see rmks PSIG Test Temp. _____ °F

9. Remarks (1) AFW pump 2-2 disch = 1480 psig. (2) AFW pump 2-2 disch = 1490 psig.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
Signed *Patrick Nugent* Engineering Manager 2/2/10
(Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT
have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-4-10 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 2

2. Plant Diablo Canyon Power Plant Unit 2
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 Main Steam System (4)

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 - 2001, 03 (c) Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
MS-2-PCV-20	Copes - Vulcan	6910.95009	N/A	60002166	Line-227-8"	1985	Installed (1)	<input type="checkbox"/>	No
MS-2-FCV-95	Velan Valve	NF	N/A	60006383	Line-760-4"	1985	Installed (2)	<input type="checkbox"/>	No
MS-2-FCV-38	Velan Valve	NF	N/A	60006385	Line-594-4"	1985	Installed (2)	<input type="checkbox"/>	No
MS-2-PCV-20	Copes - Vulcan	6910.95009	N/A	60008942	Line-227-8"	1985	Installed (3)	<input type="checkbox"/>	No
MS-2-PCV-19	Copes - Vulcan	6910.95009	N/A	60010276	Line-228-8"	1985	Installed (2)(3)	<input type="checkbox"/>	No

7. Description of Work (1) Replace one stud / nut. (2) Replaced bonnet bolting. (3) Replaced internals.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 1000 PSIG Test Temp. 545 °F

9. Remarks Pressure and Temp are Main Steam in Mode-3 coming out of outage.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
Signed Patrick Nugent Engineering Manager 2/2/10
(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, And employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-4-10 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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit 2
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 Main Steam System (4)
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 - 2001, 03 Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
Stm Gen 2-1 LLS	SGT	N/A	N/A	60014441	Lower Lateral Spt	2008	Installed (4)	<input type="checkbox"/>	No
Stm Gen 2-2 LLS	SGT	N/A	N/A	60014441	Lower Lateral Spt	2008	Installed (4)	<input type="checkbox"/>	No
Stm Gen 2-3 LLS	SGT	N/A	N/A	60014441	Lower Lateral Spt	2008	Installed (4)	<input type="checkbox"/>	No
Stm Gen 2-4 LLS	SGT	N/A	N/A	60014441	Lower Lateral Spt	2008	Installed (4)	<input type="checkbox"/>	No
78-293SL	Anchor Darling	53	N/A	60014957	Line-1020-2"	Unk	Installed (10)	<input type="checkbox"/>	Yes
70-66SL	Anchor Darling	75	N/A	60015127	Line-1041-2.5"	Unk	Installed (10)	<input type="checkbox"/>	Yes
MS-2-RV-224	NWS Technologies	BN1750	N/A	60018712	Line-1065	1985	Installed (5)(6)	<input checked="" type="checkbox"/>	No
MS-2-RV-61	NWS Technologies	BM07857	N/A	60018773	Line-1066	1985	Installed (5)	<input checked="" type="checkbox"/>	No
MS-2-RV-14	NWS Technologies	BM7853	N/A	60018779	Line-226	1994	Installed (5)	<input checked="" type="checkbox"/>	No
SG02-01SL-SW	Paul-Munroe	1697	N/A	60020038	SG 2-1 snubber	1985	Installed (7)	<input type="checkbox"/>	No
MS-2-5166	Anchor Darling	BD834	N/A	68000813	Line-593-4"	1990	Installed (8)(9) (N)	<input checked="" type="checkbox"/>	No
MS-2-5167	Anchor Darling	BD833	N/A	68000813	Line-594-4"	1990	Installed (8)(9) (N)	<input checked="" type="checkbox"/>	No
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	

7. Remarks (4) Misc minor attmnt welds to Lower Lateral Support. (5) Replaced RV. (6) Replaced spacer.
 (7) Replaced snubber control valve. (8) Replaced valve. (9) Installed pipe flanges. (10) Replaced snubber.
 (N) New item. Code Data Report attached.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. BD833 thru BD837

8. Design conditions 1085 (pressure) psi 600 (temperature) °F or valve pressure class 600

9. Cold working pressure 1480 psi at 100°F

10. Hydrostatic test 2225 psi. Disk differential test pressure 1630 psi

11. Remarks: Seat Ring, SA351-CF8M, HT Codes as follows: CMHP-1(BD833), CMRT-2(BD834), CMRT-3(BD835), CMRT-4(BD836), CMRT-5(BD837)

SO 45546, Item 1, 4" Figure 600 DC Valve

CERTIFICATION OF DESIGN

Design Specification certified by K.J. DALAL P.E. State CA Reg. no. M-16690
 Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 6/18/08 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 6/18/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 6/18/08 Signed [Signature] Commissions N-1549
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 3

2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 (c) Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
RCP 2-2	Westinghouse	712	--	C0220413	RCP 2-2	1985	Installed (1)	<input type="checkbox"/>	No
RCS-2-8033A	Velan Valve	--	N/A	60002150	Line-14-4"	1985	Installed (2)	<input type="checkbox"/>	Yes
RCS-2-8033B	Velan Valve	--	N/A	60006369	Line-14-4"	1985	Installed (2)	<input type="checkbox"/>	Yes
RCS-2-8033C	Velan Valve	--	N/A	60006371	Line-13-4"	1985	Installed (2)	<input type="checkbox"/>	Yes
RCS-2-8033D	Velan Valve	--	N/A	60006372	Line-14-4"	1985	Installed (2)	<input type="checkbox"/>	Yes

7. Description of Work (1) Modify shim support plate (welding). (2) Replace bonnet bolting.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2235 PSIG Test Temp. 547 °F

9. Remarks

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
Signed [Signature] Engineering Manager 2/2/10
(Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
[Signature] Inspector 2-4-10 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 3
2. Plant Diablo Canyon Power Plant Unit 2
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 - 2001, 03 Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
RCS-2-9365B	Flowserve	69BPE	N/A	60007602	Line-2S6-3/4"	1984	Installed (3) (N)	<input type="checkbox"/>	No
RCS-2-PCV-455A	Fisher Controls	6468369	N/A	60009352	Line-13-4"	1988	Installed (4)	<input type="checkbox"/>	No
RCS-2-PCV-455B	Fisher Controls	6468371	N/A	60009353	Line-14-4"	1988	Installed (4)	<input type="checkbox"/>	No
RCS-2-8093	Flowserve	84BEW	N/A	60012485	Lines-3102-3/4" & 7132-3/4"	2009	Installed (3)(5) (N)	<input type="checkbox"/>	No
Line-1469	PG&E	N/A	N/A	60013854	Line-1469-3/4"	2009	Installed (6)	<input type="checkbox"/>	No
326-382A	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-383R	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-384R	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-385R	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-386R	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-387R	PG&E	N/A	N/A	60013854	Line-7132-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
Pzr RV Spare (8010A)	Crosby Valve	U2SA	Unk	60014607	S/C D957859	Unk	Installed (8)(9)	<input type="checkbox"/>	Yes
Pzr RV Spare (8010B)	Crosby Valve	U2SB	Unk	60014608	S/C D957860	Unk	Installed (8)(9)	<input type="checkbox"/>	Yes
Pzr RV Spare (8010C)	Crosby Valve	U2SC	Unk	60014609	S/C D957858	Unk	Installed (8)(9)	<input type="checkbox"/>	Yes
Line-1674	PG&E	N/A	N/A	60014659	Line-2S6-3/4"	1986	Installed (10)	<input type="checkbox"/>	No
Line-1674 lateral tee	PG&E	N/A	N/A	60014659	Line-2S6-3/4"	2009	Installed (11)	<input type="checkbox"/>	No
RPV Upper Head	B&W	700-0168-52	N/A	60015238	RPV Upper Head	2009	Installed (15)	<input checked="" type="checkbox"/>	Yes
413-224SL	Anchor Darling	138	N/A	60020225	Line-2999	Unk	Installed (14)	<input type="checkbox"/>	No
Pressurizer	Westinghouse	1171	68-106	60020504	Pzr Manway	1973	Installed (12)	<input type="checkbox"/>	Yes
RCS-2-RV-8010A	Crosby Valve	U2SA	Unk	64002772	Line-729-6"	2007	Installed (13)	<input checked="" type="checkbox"/>	Yes
RCS-2-RV-8010B	Crosby Valve	U2SB	Unk	64002773	Line-728-6"	2007	Installed (13)	<input checked="" type="checkbox"/>	Yes
RCS-2-RV-8010C	Crosby Valve	U2SC	Unk	64002774	Line-727-6"	2007	Installed (13)	<input checked="" type="checkbox"/>	Yes
412-154SL	Anchor Darling	277	N/A	64012707	Line-1195-3"	1985	Installed (14)	<input type="checkbox"/>	No

7. Remarks (continued), (3) Replace valve & assoc piping. (4) Replace internals. (5) Install Pzr RV Loop drain piping. (6) Cut and Cap Class-1 pipe. (7) Installed new Class-1 support. (8) Replaced internals (convert to steam seat). (9) Replace bolting. (10) Relocate Class-1 piping and thermowell (TW/TE-453). (11) Bore lateral tee to fit thermowell. (12) Install helicoils for manway diaphragm locating screws. (13) Replaced RV. (14) Replaced snubber. (15) Replace Upper RPV head *
- (N) New item. Code Data Report attached.
- (* Also see separate AREVA NIS2.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. 66BPE THRU 85BPE

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878
9. Cold working pressure 4507 psi at 100°F
10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi
11. Remarks: S.O. 53099-07

CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
 Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 8/25/09 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on Aug 25, 2009, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 8/25/09 Signed [Signature] Commissions NE 1580
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 1 of 7
Address

2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.

3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address

4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year

(c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Reactor Head	Babcock and Wilcox Nuclear Operations Group	700-0168-52 Unit #2	N/A	N/A	2009	Installed	Yes
CRDM-Rod Travel Housing (CRDM-RTH)	Jeumont SA	DBC 45	N/A	1/H8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 48	N/A	2/F8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 25	N/A	3/H10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 39	N/A	5/K8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 32	N/A	6/H6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 30	N/A	7/F10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 43	N/A	8/K10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 53	N/A	9/K6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 51	N/A	10/F6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 44	N/A	14/D8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 46	N/A	15/H12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 35	N/A	16/M8	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 2 of 7
Address

2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.

3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address

4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda.
Year
 (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 15	N/A	17/H4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 26	N/A	30/C9	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 23	N/A	31/G13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 11	N/A	32/J13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 22	N/A	33/N9	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 27	N/A	34/N7	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 9	N/A	35/J3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 14	N/A	36/G3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 34	N/A	37/C7	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 41	N/A	38/D12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 6	N/A	39/M12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 16	N/A	40/M4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 21	N/A	41/D4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 18	N/A	42/C11	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 47	N/A	43/E13	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 3 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year
- (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 12	N/A	44/L13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 54	N/A	45/N11	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 3	N/A	46/N5	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 40	N/A	47/L3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 33	N/A	48/E3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 2	N/A	49/C5	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 36	N/A	50/B8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 5	N/A	51/H14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 42	N/A	52/P8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 1	N/A	53/H2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 49	N/A	54/B10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 7	N/A	55/F14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 50	N/A	56/K14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 38	N/A	57/P10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 17	N/A	58/P6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 13	N/A	59/K2	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure 2235 psi Test Temp. 547 °F

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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 4 of 7
Address

2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.

3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address

4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda.
Year

(c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 20	N/A	60/F2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 8	N/A	61/B6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 24	N/A	66/B12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 28	N/A	67/D14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 4	N/A	68/M14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 52	N/A	69/P12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 31	N/A	70/P4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 37	N/A	71/M2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 19	N/A	72/D2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 29	N/A	73/B4	2009	Installed	No
Reactor Vessel Head Vent System RVHVS piping Sub assembly -1	AREVA NP	9082836-001	N/A	N/A	2009	Installed	Yes
RVHVS piping Sub assembly-2	AREVA NP	9082836-002	N/A	N/A	2009	Installed	NO

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 5 of 7
Address

2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.

3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address

4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year

(c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RVHVS piping Sub assembly -3	AREVA NP	9082836-003	N/A	N/A	2009	Installed	Yes
Reactor Vessel Level Indication System (RVLIS) piping subassembly-1	AREVA NP	9091693-001	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-2	AREVA NP	9091693-002	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-3	AREVA NP	9091693-003	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-4	AREVA NP	9091693-004	N/A	N/A	2009	Installed	No
RVLIS piping subassembly-5	AREVA NP	9091693-005	N/A	N/A	2009	Installed	Yes

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St. San Francisco, CA 94105, USA Sheet 6 of 7
Address

2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.

3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address

4. Identification of System Reactor Vessel (Class 1), Reactor Coolant System (07)

5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year

(c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Solenoid Operated Valve (SOV) Subassembly -1	AREVA NP	9082837-001	N/A	N/A	2009	Installed	Yes
(SOV) Subassembly -2	AREVA NP	9082837-002	N/A	N/A	2009	Installed	Yes

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
 Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric: Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 1 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda.
Year
 (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Reactor Head	Babcock and Wilcox Nuclear Operations Group	700-0168-52 Unit #2	N/A	N/A	2009	Installed	Yes
CRDM-Rod Travel Housing (CRDM-RTH)	Jeumont SA	DBC 45	N/A	1/H8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 48	N/A	2/F8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 25	N/A	3/H10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 39	N/A	5/K8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 32	N/A	6/H6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 30	N/A	7/F10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 43	N/A	8/K10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 53	N/A	9/K6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 51	N/A	10/F6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 44	N/A	14/D8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 46	N/A	15/H12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 35	N/A	16/M8	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 2 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda.
Year
 (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 15	N/A	17/H4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 26	N/A	30/C9	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 23	N/A	31/G13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 11	N/A	32/J13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 22	N/A	33/N9	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 27	N/A	34/N7	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 9	N/A	35/J3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 14	N/A	36/G3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 34	N/A	37/C7	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 41	N/A	38/D12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 6	N/A	39/M12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 16	N/A	40/M4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 21	N/A	41/D4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 18	N/A	42/C11	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 47	N/A	43/E13	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 3 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year
 (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 12	N/A	44/L13	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 54	N/A	45/N11	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 3	N/A	46/N5	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 40	N/A	47/L3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 33	N/A	48/E3	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 2	N/A	49/C5	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 36	N/A	50/B8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 5	N/A	51/H14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 42	N/A	52/P8	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 1	N/A	53/H2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 49	N/A	54/B10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 7	N/A	55/F14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 50	N/A	56/K14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 38	N/A	57/P10	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 17	N/A	58/P6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 13	N/A	59/K2	2009	Installed	No

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St. San Francisco, CA 94105, USA Sheet 4 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year
 (c) Applicable Section XI Code Cases None

6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
CRDM-RTH	Jeumont SA	DBC 20	N/A	60/F2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 8	N/A	61/B6	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 24	N/A	66/B12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 28	N/A	67/D14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 4	N/A	68/M14	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 52	N/A	69/P12	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 31	N/A	70/P4	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 37	N/A	71/M2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 19	N/A	72/D2	2009	Installed	No
CRDM-RTH	Jeumont SA	DBC 29	N/A	73/B4	2009	Installed	No
Reactor Vessel Head Vent System RVHVS piping Sub assembly -1	AREVA NP	9082836-001	N/A	N/A	2009	Installed	Yes
RVHVS piping Sub assembly-2	AREVA NP	9082836-002	N/A	N/A	2009	Installed	NO

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric. Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 5 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda.
Year
 (c) Applicable Section XI Code Cases None
6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RVHVS piping Sub assembly -3	AREVA NP	9082836-003	N/A	N/A	2009	Installed	Yes
Reactor Vessel Level Indication System (RVLIS) piping subassembly-1	AREVA NP	9091693-001	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-2	AREVA NP	9091693-002	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-3	AREVA NP	9091693-003	N/A	N/A	2009	Installed	Yes
RVLIS piping subassembly-4	AREVA NP	9091693-004	N/A	N/A	2009	Installed	No
RVLIS piping subassembly-5	AREVA NP	9091693-005	N/A	N/A	2009	Installed	Yes

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code, Section XI

1. Owner Pacific Gas and Electric Date November 4, 2009
Name
77 Beale St, San Francisco, CA 94105, USA Sheet 6 of 7
Address
2. Plant Diablo Canyon Power Plant Unit 2
Name
P.O Box 56, Avila Beach CA 94354, USA See Remarks
Address Repair/Replacement Organization P.O. Box, Job No., etc.
3. Work Performed by AREVA NP, Inc. Type Code Symbol Stamp N/A
Name Authorization No. N/A
3315 Old Forest Road, Lynchburg VA 24501, USA Expiration Date N/A
Address
4. Identification of System Reactor Vessel (Class 1) Reactor Coolant System (07)
5. (a) Applicable Construction Code ASME III, 2001 Edition, 2003 Addenda, N/A Code Case
Year
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity 2001 Ed. thru 2003 Addenda
Year
 (c) Applicable Section XI Code Cases None
6. Identification of Components:

Name of component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Solenoid Operated Valve (SOV)Subassembly -1	AREVA NP	9082837-001	N/A	N/A	2009	Installed	Yes
(SOV)Subassembly -2	AREVA NP	9082837-002	N/A	N/A	2009	Installed	Yes

7. Description of Work Installed new Reactor Head and Control rod Drive Mechanisms (CRDM).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt

Other Pressure 2235 psi Test Temp. 547 °F

NOTE: Supplemental sheets in 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 6 of this report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks: N-2 forms for the Reactor Vessel Head and CRDMs are attached. N-5 forms for RVHVS and RVLIS are attached.

Applicable Manufacturer's Data Reports to be attached

Other items installed are as follows:

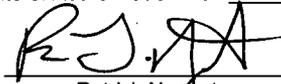
See AREVA NP Documents 50-9073915-003, 50-9073916-003, 50-9073917-000, 0-9073918-003, & 50-9073920-003.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp _____ N/A _____

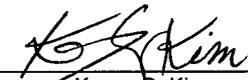
Certificate of Authorization No. _____ N/A _____

Signed  Engineering Manager _____ Date FEB 2 2010
 Patrick Nugent (Title)

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CA and employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13 2008 to 12/10 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Inspector _____ Commissions CA 1828 - NB 9990 A.N.I.C
 Kenny D. Kim (Title) (State or Province, National Board)
 Date 2-4-10

FORM N-2 CERTIFICATE HOLDER'S DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

**As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production**

1. Manufactured and certified by Babcock & Wilcox Nuclear Operations Group, Inc. 1400 Old Highway 69 South, Mt. Vernon, IN (USA)
(name and address of NPT Certificate Holder)
2. Manufactured for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. Type See Supplemental Page 3 See Supplemental Page 3 See Supplemental page 3 N/A 2009
(drawing no.) (material spec. no.) (tensile strength) (CRNI) (year built)
5. ASME Code, Section III, Division 1 2001 2003 1 None
(edition) (addenda data) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks Fabrication performed in accordance with AREVA NP Inc., Certified Design Specification 08-9025240-003 with the exception of the Preservice examination, section 6.14, (performed by AREVA) and per Drawing 9023469E Rev. 006.
8. Nom. thickness 7.236" Min. design thickness 7.00" Diameter ID 167.000" Length overall 158.291"
9. When applicable, Certificate Holder's Data Reports are attached for each item of this report.

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) CC/DC002-CRDMHU01	N/A	(26)	
(2) CC/DC002-CRDMHU02	N/A	(27)	
(3) CC/DC001-CRDMHU06	N/A	(28)	
(4) CC/DC002-CRDMHU04 thru 06	N/A	(29)	
(5) CC/DC002-CRDMHU81	N/A	(30)	
(6) CC/DC002-CRDMHU08	N/A	(31)	
(7) CC/DC002-CRDMHU09	N/A	(32)	
(8) CC/DC002-CRDMHU82	N/A	(33)	
(9) CC/DC002-CRDMHU15	N/A	(34)	
(10) CC/DC002-CRDMHU16	N/A	(35)	
(11) CC/DC001-CRDMHU22	N/A	(36)	
(12) CC/DC002-CRDMHU30 thru 40	N/A	(37)	
(13) CC/DC001-CRDMHU46	N/A	(38)	
(14) CC/DC002-CRDMHU42 thru 61	N/A	(39)	
(15) CC/DC002-CRDMHU66 thru 73	N/A	(40)	
(16) CC/DC002-CRDMHU82 thru 84	N/A	(41)	
(17) CC/DC002-CRDMHU86	N/A	(42)	
(18) CC/DC002-TCU74 thru 77	N/A	(43)	
(19) CC/DC002-TCU79	N/A	(44)	
(20)	N/A	(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 2485 PSIG Temperature 650 Deg. F Hydro. test pressure 3111 PSIG at temp. 73.5 Deg. F
(when applicable)

* Supplemental information in the form of lists, sketches, or drawings may be used provided. (1) size is 8 1/2 x 11, (2) information in items 2 and 3 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.

Certificate Holder's Serial Nos. 700-0168-52 Unit through N/A

CERTIFICATION OF DESIGN

Design specifications certified by Larry W. Davis P.E. State California Reg. no. M33472
Design report* certified by Douglas E. Killian, P.E. State California Reg. no. M33816

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Replacement Reactor Vessel Closure Head conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-3192-2 Expires March 24, 2012
Date 7/11/09 Name Babcock & Wilcox Nuclear Operations Signed [Signature]

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 IN and employed by HSBCT of CT have inspected these items described in this Data Report on 7/11/09, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Date 7/11/09 Signed [Signature] Commissions IN 1793

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 3 of 3

Certificate Holder's Serial Nos. 700-0168-52 Unit #2 through N/A

1. Manufactured and certified by Babcock & Wilcox Nuclear Operations Group, Inc.
1400 Old Highway 69 South Mt. Vernon, Indiana 47620
(Name and address of Certificate Holder)

2. Manufactured for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco CA 94105 (USA)
(Name and address of Purchaser)

3. Location of Installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)

4. Component or Part Part S/N 700-0168-52 Unit #2

5. 2009 N/A N/A
(Year built) (CRN) (Nat'l Board No.)

Data Items by Line No.				
4	Drawings No. 9023469E	Rev. 006		
	Description	Material Spec No.	Min. Tensile Strength	
	Closure Head Forging	SA 508 Grade 3 Class 1	80 ksi	
	Lifting Lugs	SA 533 Grade B Class 2	90 ksi	
	IHA Support Lugs	SA 533 Grade B Class 2	90 ksi	
	Vent Nozzle	SB 166 UNS N06690	92.08 ksi	
	RVLIS Nozzle	SB 166 UNS N06690	92.08 ksi	
	Vent/RVLIS 90 deg. Elbow	SA 403 Grade 304/304L	87 ksi	
	Vent & RVLIS Pipe	SA 376 TP 304	70 ksi	
	Vent Flow Restrictor	SA 479 Type 304/304L	87ksi	
		At 68 deg. F	At 650 Deg. F	
	ILH Nozzles	SA 479 Type 304/304L	75 ksi	59.2 ksi
		SB 167 UNS N06690	85 ksi	80 ksi
	Thermocouple Nozzles	SA 479 Type 304/304L	75 kis	56.7 ksi
		SB 167 UNS N06690	85 ksi	80 ksi

Date 7/11/09 Name B&W NUC, Inc. Signed [Signature]
(Certificate Holder) (Authorized representative)

Date 7/11/09

Signed [Signature] Commissions IN 1793
(Authorized Nuclear Inspector) (Nat'l Board (Inc. Endorsements), State, Province and No.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES

**As Required by the Provisions of the ASME Code Section III 400 0008
Not to Exceed One Day's Production**

1. Manufactured and certified by AREVA NP Usine de Chalons/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE

2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA

3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA

4. Type (See supplementary pages 3 & 4) N/A 2008
(drawing no.) (mat'l spec no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 2001 Addenda through 2003 1 N/A
(edition) (addenda) (class) (code case no.)

6. Fabricated in accordance with Const. Spec. (Div 2 only) N/A Revision / Date /
(no.)

7. Remarks:
- Integrated Latch Housings (ILH) were welded onto CRDM nozzles by AREVA NP St Marcel.
- ILH will be hydro-tested with the Replacement Reactor Vessel Closure Head.
- CC/DC002 - CRDMHU83, CRDMHU84 and CRDMHU86 are spare parts. If they are fitted on the head, their length will be modified to the length of the ILH they will replace.

8. Nom. Thickness (in.) N/A Min. des thickness (in.) 0.622" Dia. ID (ft & in.) 2.750"
Length overall (ft & in.) (See supplementary pages 3 & 4)

9. When applicable, Certificate Holders' Data Reports are attached for each item on this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
1. CC/DC002 - CRDMHU01	N/A	27. CC/DC002 - CRDMHU49	N/A
2. CC/DC002 - CRDMHU04	N/A	28. CC/DC002 - CRDMHU50	N/A
3. CC/DC002 - CRDMHU05	N/A	29. CC/DC002 - CRDMHU51	N/A
4. CC/DC002 - CRDMHU06	N/A	30. CC/DC002 - CRDMHU52	N/A
5. CC/DC002 - CRDMHU08	N/A	31. CC/DC002 - CRDMHU53	N/A
6. CC/DC002 - CRDMHU09	N/A	32. CC/DC002 - CRDMHU54	N/A
7. CC/DC002 - CRDMHU15	N/A	33. CC/DC002 - CRDMHU55	N/A
8. CC/DC002 - CRDMHU16	N/A	34. CC/DC002 - CRDMHU56	N/A
9. CC/DC002 - CRDMHU30	N/A	35. CC/DC002 - CRDMHU57	N/A
10. CC/DC002 - CRDMHU31	N/A	36. CC/DC002 - CRDMHU58	N/A
11. CC/DC002 - CRDMHU32	N/A	37. CC/DC002 - CRDMHU59	N/A
12. CC/DC002 - CRDMHU33	N/A	38. CC/DC002 - CRDMHU60	N/A
13. CC/DC002 - CRDMHU34	N/A	39. CC/DC002 - CRDMHU61	N/A
14. CC/DC002 - CRDMHU35	N/A	40. CC/DC002 - CRDMHU66	N/A
15. CC/DC002 - CRDMHU36	N/A	41. CC/DC002 - CRDMHU67	N/A
16. CC/DC002 - CRDMHU37	N/A	42. CC/DC002 - CRDMHU68	N/A
17. CC/DC002 - CRDMHU38	N/A	43. CC/DC002 - CRDMHU69	N/A
18. CC/DC002 - CRDMHU39	N/A	44. CC/DC002 - CRDMHU70	N/A
19. CC/DC002 - CRDMHU40	N/A	45. CC/DC002 - CRDMHU71	N/A
20. CC/DC002 - CRDMHU42	N/A	46. CC/DC002 - CRDMHU72	N/A
21. CC/DC002 - CRDMHU43	N/A	47. CC/DC002 - CRDMHU73	N/A
22. CC/DC002 - CRDMHU44	N/A	48. CC/DC002 - CRDMHU81	N/A
23. CC/DC002 - CRDMHU45	N/A	49. CC/DC002 - CRDMHU82	N/A
24. CC/DC002 - CRDMHU46	N/A	50. CC/DC002 - CRDMHU83	N/A
25. CC/DC002 - CRDMHU47	N/A	51. CC/DC002 - CRDMHU84	N/A
26. CC/DC002 - CRDMHU48	N/A	52. CC/DC002 - CRDMHU86	N/A

10. Design Pressure 2485 psig Temp. 650 Deg. F Hydro. Test Pressure @ Temp NO (refer to item 7)

CORRECTED
COPY

FORM N-2 (Back - Pg 2 of 4)

A00 0009

Certificate Holders' Serial Nos CC/DC002 - CRDMHU01, CRDMHU04 to CRDMHU06, CRDMHU08, CRDMHU09, CRDMHU15, CRDMHU16, CRDMHU30 to CRDMHU40, CRDMHU42 to CRDMHU61, CRDMHU66 to CRDMHU73, CRDMHU81 to CRDMHU84, CRDMHU86

CERTIFICATION OF DESIGN

Design Specifications Certified by Larry W. DAVIS P.E. State CA Reg. No. M-33472

Design Report Certified by Harry HARRISON III P.E. State CA Reg. No. M-33812

CERTIFICATE OF COMPLIANCE

We Certify that the statements made in this report are correct and that this (these) CRDM adapters

conforms to the rules of construction of the ASME Code, Section III Division 1.

NPT Certification of Authorization No. N-2772 Expires: Jan.29,2009

Date 09/25/08 Name AREVA NP Signed C. FRONTIERE

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 GEORGIA and employed by HSBCT

of Hartford / CT have inspected these items described in this Data Report on 30th JUNE 2008.

and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or

Appurtenances in accordance with the ASME Code, Section III, Division 1. Each Part has been authorized for stamping on the date shown above.

By signing this certificate, neither the Inspector nor his Employer makes any warranty expressed or implied concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his Employer shall be liable for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 24th Sept. 2008 Signed Gci Edley Commissions A.N. GA674

(Authorized Nuclear Inspector)

(Nat'l Board Endsmts, State or Prov. and no.)

A00 0010

**CORRECTED
COPY**

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 3 of 4

Certificate Holder's Serial Nos. CC/DC002 - CRDMHU01, CRDMHU04 to CRDMHU06, CRDMHU08, CRDMHU09, CRDMHU15, CRDMHU16, CRDMHU30 to CRDMHU40, CRDMHU42 to CRDMHU61, CRDMHU66 to CRDMHU73, CRDMHU81 to CRDMHU84, CRDMHU86

1. Manufactured and certified by AREVA NP Usine de Chalon/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE

2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA

3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA

4. Component or Part CRDM ADAPTER FOR REACTOR VESSEL CLOSURE HEAD

5. 2008 N/A N/A
(Year built) (CRN) (Nat'l Board No.)

Data Items by Line No.		Rev.
4	Drawings No.	
	02-9040741E	000
	02-9044744D	000
	BUHPDC/NCC0312	B
	BUMPDC/NCC0401	A
	BUHPDC/NCC0513	C
	BUHPDC/NCC0514	F
	Material Spec. No.	ASME material
	CRDM nozzles	SB -167 UNS N06690
	CRDM flanges with ILH	SA-182 Grade F 304
	Tensile Strength (min. SU - Note 1)	At 68°F At 650°F
	CRDM nozzles	85 ksi 80 ksi
	CRDM flanges with ILH	70 ksi 59.2 ksi
	Note 1 : Min. tensile strength value SU from ASME Code, Section III, Division 1, Appendices, Table I-3.0 which refers to Section II, Part D, Subpart 1, Table U.	

Date 09/23/08 Name AREVA NP Signed C. FRONTIERE
(Certificate Holder) (Authorized representative)

Date 24th SEPTEMBER

Signed G. Edley Commissions A.N. G.674
(Authorized Nuclear Inspector) (Nat'l Board (Inc. Endorsements), State, Province and No)

400 0011

**CORRECTED
COPY**

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 4 of 4

Certificate Holder's Serial Nos. CC/DC002 - CRDMHU01, CRDMHU04 to CRDMHU06, CRDMHU08, CRDMHU09, CRDMHU15, CRDMHU16, CRDMHU30 to CRDMHU40, CRDMHU42 to CRDMHU61, CRDMHU66 to CRDMHU73, CRDMHU81 to CRDMHU84, CRDMHU86

1. Manufactured and certified by AREVA NP Usine de Chalons/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE
2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA
3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA
4. Component or Part CRDM NOZZLE ADAPTOR FOR REACTOR VESSEL CLOSURE HEAD
5. 2008 N/A N/A
(Year built) (CRN) (Nat'l Board No.)

Data Items by Line No.	Serial number	Length overall
8	CRDMHU01	6' 7.069"
	CRDMHU04,05	6' 9.200"
	CRDMHU06,08,09,81	6' 11.121"
	CRDMHU82,15,16	7' 2.988"
	CRDMHU30,31,32,33,34,35,36,37	7' 8.017"
	CRDMHU38,39,40	7' 11.181"
	CRDMHU42,43,44,45,46,47,48,49	8' 0.265"
	CRDMHU50,51,52,53	8' 1.365"
	CRDMHU54,55,56,57,58,59,60,61	8' 3.617"
	CRDMHU66,67,68,69,70,71,72,73	8' 10.866"
	CRDMHU83,84,86	9' 6.099" (refer to item 7)

Date 09/23/08 Name AREVA NP Signed G. FRONTIERE
(Certificate Holder) (Authorized representative)

Date 24th SEPTEMBER 2008

Signed G. Edley Commissions A.N. GA674
(Authorized Nuclear Inspector) [Nat'l Board (Inc. Endorsements), State, Province and No]

FORM N-2 (Back - Pg 2 of 4)

A 00 0009

Certificate Holders' Serial Nos CC/DC002 - CRDMHU02
CC/DC001 - CRDMHU06, CRDMHU22, CRDMHU46

CERTIFICATION OF DESIGN

Design Specifications Certified by Larry W. DAVIS P.E. State CA Reg. No. M-33472
Design Report Certified by Harry HARRISON III P.E. State CA Reg. No. M-33812

CERTIFICATE OF COMPLIANCE

We Certify that the statements made in this report are correct and that this (these) CRDM adapters
conforms to the rules of construction of the ASME Code, Section III Division 1

NPT Certification of Authorization No. N-2772 Expires: Jan.29,2009

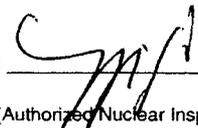
Date 10/09/08 Name AREVA NP Signed G. FROSTIERE 

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 NY and employed by HSBCT
of Hartford / CT have inspected these items described in this Data Report on Oct. 09th 2008

and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or
Appurtenances in accordance with the ASME Code, Section III, Division 1. Each Part has been authorized for
stamping on the date shown above.

By signing this certificate, neither the Inspector nor his Employer makes any warranty expressed or implied
concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his Employer
shall be liable for any personal injury or property damage or loss of any kind arising from or connected with this
inspection.

Date Oct. 09th 2008 Signed  Commissions NY 5248
(Authorized Nuclear Inspector) (Nat'l Board Endsmts, State or Prov. and no.)

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

A 00 0010

Certificate Holder's Serial Nos. CC/DC002 - CRDMHU02
CC/DC001 - CRDMHU06, CRDMHU22, CRDMHU46

1. Manufactured and certified by AREVA NP Usine de Chalon/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE
2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA
3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA
4. Component or Part CRDM ADAPTER FOR REACTOR VESSEL CLOSURE HEAD
5. 2008 N/A N/A
(Year built) (CRN) (Nat'l Board No.)

Data Items by Line No.			
4	Drawings No.	Rev.	
	02-9040741E	000	
	02-9044744D	000	
	BUHPDC/NCC0311	B	
	BUHPDC/NCC0312	B	
	BUMPDC/NCC0412	A	
	BUMPDC/NCC0401	A	
	BUHPDC/NCC0503	C	
	BUHPDC/NCC0513	C	
	BUHPDC/NCC0504	D	
	BUHPDC/NCC0514	F	
	Material Spec. No.	ASME material	
	CRDM nozzles	SB -167 UNS N06690	
CRDM flanges with ILH	SA-182 Grade F 304		
Tensile Strength (min. SU - Note 1)	At 68°F	At 650°F	
CRDM nozzles	85 ksi	80 ksi	
CRDM flanges with ILH	70 ksi	59.2 ksi	
Note 1 : Min. tensile strength value SU from ASME Code, Section III, Division 1, Appendices, Table I-3.0 which refers to Section II, Part D, Subpart 1, Table U.			

Date 10/29/08 Name AREVA NP Signed G. FRONTIERE
 (Certificate Holder) (Authorized representative)

Date Oct. 09th 2008
 Signed [Signature] Commissions NY5248
 (Authorized Nuclear Inspector) (Nat'l Board (Inc. Endorsements), State, Province and No)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 4 of 4

A 00 0011

Certificate Holder's Serial Nos. CC/DC002 - CRDMHU02
CC/DC001 - CRDMHU06, CRDMHU22, CRDMHU46

1. Manufactured and certified by AREVA NP Usine de Chalon/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE

2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA

3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA

4. Component or Part CRDM NOZZLE ADAPTOR FOR REACTOR VESSEL CLOSURE HEAD

5. 2008 (Year built) N/A (CRN) N/A (Nat'l Board No.)

Data Items by Line No.		
8	Serial number	Length overall
	CC/DC002 - CRDMHU02	6' 9.200"
	CC/DC001 - CRDMHU06	6' 9.200"
	CC/DC001 - CRDMHU22	7' 2.988"
	CC/DC001 - CRDMHU46	7' 11.181"

Date 10/09/08 Name AREVA NP Signed G. FRONTIERE
(Certificate Holder) (Authorized representative)

Date Oct. 09th 2008

Signed [Signature] Commissions NY 5248
(Authorized Nuclear Inspector) [Nat'l Board (Inc. Endorsements), State, Province and No]

**CORRECTED
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FORM N-2 (Back - Pg 2 of 3)

400 0009

CC/DC002 - TCU74, TCU75, TCU76,
TCU77, TCU79, TCU101, TCU102
Certificate Holders' Serial Nos

CERTIFICATION OF DESIGN

Design Specifications Certified by Wells D. FARGO P.E. State CA Reg. No. M-31209

Design Report Certified by Paul B. BLAKESLEE P.E. State CA Reg. No. M-25887

CERTIFICATE OF COMPLIANCE

We Certify that the statements made in this report are correct and that this (these) CETNA adapters
conforms to the rules of construction of the ASME Code, Section III Division 1

NPT Certification of Authorization No. N-2772 Expires: Jan.29,2009

Date 10/09/08 Name AREVA NP Signed G. FRONTIERE

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 NY and employed by HSBCT
of Hartford / CT have inspected these items described in this Data Report on Oct. 09th 2008

and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or
Appurtenances in accordance with the ASME Code, Section III, Division 1. Each Part has been authorized for
stamping on the date shown above.

By signing this certificate, neither the Inspector nor his Employer makes any warranty expressed or implied
concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his Employer
shall be liable for any personal injury or property damage or loss of any kind arising from or connected with this
inspection.

Date Oct. 09th 2008 Signed [Signature] Commissions NY5248
(Authorized Nuclear Inspector) (Nat'l Board Endsmts, State or Prov. and no.)

**CORRECTED
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**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
 As Required by the Provisions of the ASME Code Section III**

A00 0010
 Pg. 3 of 3

CC/DC002 – TCU74, TCU75, TCU76,
Certificate Holder's Serial Nos. TCU77, TCU79, TCU101, TCU102

1. Manufactured and certified by AREVA NP Usine de Chalons/Saint Marcel
(Name and address of Certificate Holder)
Zone Industrielle et Portuaire Sud - 71380 SAINT MARCEL - FRANCE
2. Manufactured for PACIFIC GAS & ELECTRIC COMPANY (PG&E)
(Name and address of Purchaser)
77 Beale Street, San Francisco, CA 94105, USA
3. Location of Installation Diablo Canyon Power Plant Unit 2, P.O. Box 56, Avila Beach, CA 94354, USA
4. Component or Part CETNA ADAPTER FOR REACTOR VESSEL CLOSURE HEAD

5. 2008 N/A N/A
(Year built) (CRN) (Nat'l Board No.)

Data Items by Line No.		
4	Drawings No.	Rev.
	02-9041346D	003
	02-9052027C	001
	BUHPDC/NCC0312	B
	BUMPDC/NCC0522	B
	BUHPDC/NCC0576	B
	BUHPDC/NCC0577	F
	Material Spec. No.	ASME material
	CETNA nozzles	SB -167 UNS N06690
	CETNA flanges	SA-479 Grade F 304/304L
	Tensile Strength (min. SU – Note 1)	At 68°F At 650°F
	CETNA nozzles	85 ksi 80 ksi
	CETNA flanges	70 ksi 56.7 ksi
	Note 1 : Min. tensile strength value SU from ASME Code, Section III, Division 1, Appendices, Table I-3.0 which refers to Section II, Part D, Subpart 1, Table U..	
8	Serial number	Length overall
	TCU74, 75, 76, 77, 79	6' 1.920"
	TCU101, 102	6' 6.459"

Date 10/03/08 Name AREVA NP Signed G. FRONTIERE
(Certificate Holder) (Authorized representative)

Date Oct 03rd 2008

Signed [Signature] Commissions NY 5248
(Authorized Nuclear Inspector) (Nat'l Board (Inc. Endorsements), State, Province and No)

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Reactor Vessel Head Vent System (RVHVS) Sub Assembly 1 9082836-001 02-9082836E Rev 003 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)

7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
N/A	N/A	N/A	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073946 Rev 000 as modified by 30-9111840 Rev 000 and 30-9111840 Rev 001	DH Wood
02-9082836E Rev 003	DH Wood
02-9046308D Rev 007, and 02-9046310D Rev 005	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 67 F System design pressure 2485 PSIG at temp. 650 F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP, Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7/16/09 Name AREVA NP Inc. Signed Michael Galan
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/16/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/16/09 Signed Ophelia Hatcher Commissions 5656 ABN, VA, 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9082836-001

Attachment to ASME FORM N-5 for RVHVS Subassembly 1,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVHVS Subassembly 1, S/N 9082836-001, Drawing 02-9082836E
Rev 003, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVHVS SUB-ASSEMBLY 1 - S/N 9082836-001				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3pc	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x4 Ø1.32x67 Ø1.32x102
1	Energy and Process Corporation	1" 6000# 90° SW ELBOW, SA-182 F304/L	Heat Code D83 HT# 0528	Ø1.94x1.19x1.19
2	Energy and Process Corporation	1" 6000# SW COUPLING, SA-182 F304/L	Heat Code XKA HT# 418361	Ø1.94x1.5

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Reactor Vessel Head Vent System (RVHVS) Sub Assembly 3 9082836-003 02-9082836E Rev 003 N/A N/A 2009
(system name) (Cert. Holder's serial no. (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)

7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1" 1878 Globe Valve	Flowsolve Corp., 1900 S. Sanders St., Raleigh NC, 27603	86BMY, 87BMY, 88BMY 89BMY,	N/A	N/A	N/A
3/8" 3HN Valve	Swagelok Comp., 29500 Solon Rd., Solon, OH 44139	YU7348-001-0001 YU7348-001-0002			

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with
 Procedure or Drawing No. 50-9073946 Rev 000 as modified by 30-9111840 Rev 000 and 30-9111840 Rev 001 DH Wood Prepared by
02-9082836E Rev 003 DH Wood
02-9046308D Rev 007, and 02-9046310D Rev 005 DH Wood
9. Hydrostatic test pressure 3107 PSIG at temp. 68°F System design pressure 2485 PSIG at temp. 650°F

10. Remarks
Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design specification certified by Larry Davis P.E. State CA Reg. no. M33472

Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811

Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A

Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012

Date 7/15/09 Name AREVA NP Inc. Signed Michael [Signature]
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/15/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/15/09 Signed Ophelia [Signature] Commissions 5656 ABN, VA, 105R
(Authorized Nuclear Inspector) [National Bd. (incl. endorsements), and state or prov. and no.]

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Certificate Holder's Serial Nos. S/N 9082836-003

Attachment to ASME FORM N-5 for RVHVS Subassembly 3,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVHVS Subassembly 3, S/N 9082836-003, Drawing 02-9082836E
Rev 003, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVHVS SUB-ASSEMBLY 3 - S/N 9082836-003				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
9PC	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x3 Ø1.32x5.6 Ø1.32x13.9 Ø1.32x5.6 Ø1.32x16.8 Ø1.32x52.6 Ø1.32x13.72 Ø1.32x14.1 Ø1.32x8.2
1	Energy and Process Corporation	1" 6000# 90° SW ELBOW, SA-182 F304/L	HT# 0528	Ø1.94x1.19x1.19
3	Energy and Process Corporation	1"X1"X1" 6000# SW TEE, SA-182 F304/L	HT# 537694	2.38x1.94x2.5
2	Energy and Process Corporation	1" R.F. FLANGE #1500 SW SCH 160 BORE, SA-182 F347	HT# 9387H	Ø5.88x1.62
2	Swagelok	3/8" SWAGELOK TO TUBE UNION P/N SS-600-6W, TYPE 316 SS	THD (Nut) UHA (Body)	Ø5/8x1.5
2	Swagelok	SWAGELOK END PLUG #SS-600-P-0010, TYPE 316 SS	SJY (Nut) RPU (Body)	Ø3/8x.75
2	Swagelok	SWAGELOK 1" PIPE TO 3/8" TUBE ADAPTER P/N SS-16-MPW-A-6TSW, TYPE 316 SS	SWF	Ø1.32x1.4
AR	Energy and Process Corporation	TUBING Ø.373 X .121" TO .125" WALL, SA-479 TP 316/L	HT# 30828	Ø3/8x4long

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Reactor Vessel Level Indication System (RVLIS) Sub Assembly 1 9091693-001 02-9091693E Rev 001 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
N/A	N/A	N/A	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with Procedure or Drawing No. 50-9073945 Rev 000 as modified by 30-9111839 Rev 000 and 30-9111839 Rev 001 DH Wood Prepared by
(name and address of N or NA Certificate Holder)
- 02-9091693E Rev 001 DH Wood
- 02-9048971D Rev 007 DH Wood
9. Hydrostatic test pressure 3107 PSIG at temp. 67 F System design pressure 2485 PSIG at temp. 650 F

10. Remarks Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.
 N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.
 By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.
 N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7/14/09 Name AREVA NP Inc. Signed Michael [Signature]
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/14/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.
 By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/14/09 Signed Ophelia Hutcherson Commissions 5656 ABN VA 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9091693-001

Attachment to ASME FORM N-5 for RVLIS Subassembly 1,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVLIS Subassembly 1, S/N 9091693-001, Drawing 02-9091693E
Rev 001, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVLIS SUB-ASSEMBLY 1 - S/N 9091693-001				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
AR	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	23x4x1.315
1	Energy and Process Corporation	1" 6000# 90° SW ELBOW, SA-182 F304/L	Heat Code D83 HT# 0528	Ø1.94x1.19x1.19

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Reactor Vessel Level Indication System (RVLIS) Sub Assembly 2 9091693-002 02-9091693E Rev 001 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)

7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1" 1878 Y Globe Valve	Flowsolve Corporation 1900 South Sanders St. Raleigh NC, 27603	978MY	N/A	N/A	2009

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with
- | | |
|--|----------------|
| Procedure or Drawing No. | Prepared by |
| <u>50-9073945 Rev 000 as modified by 30-9111839 Rev 000 and 30-9111839 Rev 001</u> | <u>DH Wood</u> |
| <u>02-9091693E Rev 001</u> | <u>DH Wood</u> |
| <u>02-9048971D Rev 007</u> | <u>DH Wood</u> |

9. Hydrostatic test pressure 3107 PSIG at temp. 67 F System design pressure 2485 PSIG at temp. 650 F

10. Remarks
Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7/14/09 Name AREVA NP Inc. Signed Michael [Signature]
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/14/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/18/09 Signed Ophus A. Hitcherson Commissions 5656 ABN VA 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Certificate Holder's Serial Nos. S/N 9091693-002

Attachment to ASME FORM N-5 for RVLIS Subassembly 2,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVLIS Subassembly 2, S/N 9091693-002, Drawing 02-9091693E Rev 001, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVLIS SUB-ASSEMBLY 2 - S/N 9091693-002				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3pc	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x11 Ø1.32x12 Ø1.32x12.38
1	Energy and Process Corporation	1" 6000# 90° SW ELBOW, SA-182 F304/L	Heat Code D83 HT# 0528	Ø1.94x1.19x1.19
1	General Nuclear Corporation	1"X1"X1" 6000# SW RESTRICTOR ORIFICE TEE 9049945	HT# 245765	3.12x2.0x2.5
1	Energy and Process Corporation	1" Y PATTERN GLOBE VALVE ANCHOR DARLING #1878 TAG # RCS-2-603	S/N 97BMY	

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
4. System identification Reactor Vessel Level Indication System (RVLIS) Sub Assembly 3 9091693-003 02-9091693E Rev 001 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)

7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
3/8" 3HN Valve	Swagelok Company	YU7348-001-0004	N/A	N/A	2009
	29500 Solon Rd.	YU7348-001-0003			
	Solon, OH 44139				

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073945 Rev 000 as modified by 30-9111839 Rev 000 and 30-9111839 Rev 001	DH Wood
02-9091693E Rev 001	DH Wood
02-9048971D Rev 007	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 67°F System design pressure 2485 PSIG at temp. 650°F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7-15-09 Name AREVA NP Inc. Signed Michael Falcon
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/15/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/15/09 Signed Ephusa Hutcherson Commissions 5656 ABN VA105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9091693-003

Attachment to ASME FORM N-5 for RVLIS Subassembly 3,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVLIS Subassembly 3, S/N 9091693-003, Drawing 02-9091693E
Rev 001, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVLIS SUB-ASSEMBLY 3 - S/N 9091693-003				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
2pc	Dubose Energy	TUBING .Ø3/8" X .063 WALL SA-213 TP 316/L	HT# 359120	Ø3/8x48long Ø3/8x5long
1	Swagelok	#3/8" SWAGELOK TO TUBE SW UNION SS-600-6-6W, TP 316 SS	THD (NUT) UHA (BODY)	Ø5/8x1.5
1	Swagelok	SWAGELOK END PLUG #SS-600-P, TP 316 SS	SJY (Nut) RPU (Body)	Ø3/8x.75
1	Swagelok	SWAGELOK 3/8 X 3/8 X 3/8 TEE SS-6-TSW-3, TP 316 SS	SGL	2.4x1.2xØ5/8

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Reactor Vessel Level Indication System (RVLIS) Sub Assembly 5 9091693-005 02-9091693E Rev 001 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1" 1878 Y Globe Valve	Flowsarve Corporation 1900 South Sanders St. Raleigh NC, 27603	96BMY 95BMY	N/A	N/A	2009

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073945 Rev 000 as modified by 30-9111839 Rev 000 and 30-9111839 Rev 001	DH Wood
02-9091693E Rev 001	DH Wood
02-9048971D Rev 007	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 67 F System design pressure 2485 PSIG at temp. 650 F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7/14/09 Name AREVA NP Inc. Signed Michael [Signature]
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/14/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/14/09 Signed Ophus [Signature] Commissions 5656 ABN VA 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9091693-005

Attachment to ASME FORM N-5 for RVLIS Subassembly 5,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: RVLIS Subassembly 5, S/N 9091693-005, Drawing 02-9091693E
Rev 001, CRN: N/A, National Board no: N/A, Year Built: 2009.

RVLIS SUB-ASSEMBLY 5 - S/N 9091693-005				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3pc	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x11 Ø1.32x13 Ø1.32x14

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Sub Assembly SOV 1 9082837-001 02-9082837E Rev 002 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1" Solenoid Operated Valve Model 08H-001	Target Rock 1966E Broadhollow Road E. Farmingdale, NY 11735	S/N: 8, S/N: 7	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073949 Rev 000 as modified by 30-9111841 Rev 000	DH Wood
02-9082837E Rev 002	DH Wood
02-9046308D Rev 007, and 02-9046310D Rev 005	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 68°F; System design pressure 2485 PSIG at temp. 650°F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
 Design specification certified by Larry Davis P.E. State CA Reg. no. M33472
 Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811
 Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A
 Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.
 We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012
 Date 7/16/09 Name AREVA NP Inc. Signed Michael Bulow
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/16/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/16/09 Signed Opheus A. Hutchinson Commissions 5656 ABN, VA, 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9082837-001

Attachment to ASME FORM N-5 for Subassembly SOV-1,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: Subassembly SOV-1, S/N 9082837-001, Drawing 02-9082837E Rev 002, CRN: N/A, National Board no: N/A, Year Built: 2009.

SUB-ASSEMBLY SOV-1 - S/N 9082837-001				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3PC	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x6.75 Ø1.32x10.5 Ø1.32x4.80
2	Energy and Process Corporation	1" R.F. FLANGE #1500 SW SCH 160 BORE, SA-182 F347	HT# 9387H	Ø5.88x1.62

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant Unit #2 P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Sub Assembly SOV 2 9082837-002 02-9082837E Rev 002 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1". Solenoid Operated Valve Model 08H-001	Target Rock 1966E Broadhollow Road E. Farmingdale, NY 11735	S/N: 5, S/N: 6	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073949 Rev 000 as modified by 30-9111841 Rev 000	DH Wood
02-9082837E Rev 002	DH Wood
02-9046308D Rev 007, and 02-9046310D Rev 005	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 68°F . System design pressure 2485 PSIG at temp. 650°F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design specification certified by Larry Davis P.E. State CA Reg. no. M33472

Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811

Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A

Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.

We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012

Date 7/16/09 Name AREVA NP Inc. Signed Michael Kulas
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/16/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/16/09 Signed Opheya Hutcherson Commissions 5656 ABN, VA, 105R
(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. and no.)

**CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III**

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9082837-002

Attachment to ASME FORM N-5 for Subassembly SOV-2,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501
4. System Identification: Subassembly SOV-2, S/N 9082837-002, Drawing 02-9082837E Rev 002, CRN: N/A, National Board no: N/A, Year Built: 2009.

SUB-ASSEMBLY SOV-2 - S/N 9082837-002				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3PC	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x6.75 Ø1.32x10.5 Ø1.32x4.80
2	Energy and Process Corporation	1" R.F. FLANGE #1500 SW SCH 160 BORE, SA-182 F347	HT# 9387H	Ø5.88x1.62

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Sub Assembly SOV 5 9082837-005 02-9082837E Rev 002 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1* Solenoid Operated Valve Model 08H-001	Target Rock 1966E Broadhollow Road E. Farmingdale, NY 11735	S/N: 10, S/N: 11	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073949 Rev 000 as modified by 30-9111841 Rev 000	DH Wood
02- 9082837E Rev 002	DH Wood
02- 9046308D Rev 007, and 02-9046310D Rev 005	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 67°F . System design pressure 2485 PSIG at temp. 650°F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-90444.18-004.
Piping subassemblies marked with serial number in lieu of stamping
This subassembly is a spare and can be used in Unit #1 or Unit #2.

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design specification certified by Larry Davis P.E. State CA Reg. no. M33472

Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811

Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A

Date N/A Name N/A Signed N/A

(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A

(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. end no.)

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.

We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012

Date 7/16/09 Name AREVA NP Inc. Signed Michael Huber

(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/16/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/16/09 Signed Ophelia Fletcher Commissions 5656 ABN, VA, 105R

(Authorized Nuclear Inspector) (National Bd. (incl. endorsements), and state or prov. end no.)

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9082837-005

Attachment to ASME FORM N-5 for Subassembly SOV-5,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: Subassembly SOV-5, S/N 9082837-005, Drawing 02-9082837E Rev 002, CRN: N/A, National Board no: N/A, Year Built: 2009.

SUB-ASSEMBLY SOV-5 - S/N 9082837-005				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3PC	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x6.75 Ø1.32x10.5 Ø1.32x4.80
2	Energy and Process Corporation	1" R.F. FLANGE #1500 SW SCH 160 BORE, SA-182 F347	HT# 9387H	Ø5.88x1.62

**FORM N-5 CERTIFICATE HOLDER'S DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF
NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III, Division 1**

1. Installed and certified by AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address of N or NA Certificate Holder)
2. Installed for Pacific Gas & Electric Company (PG&E) 77 Beale Street, San Francisco, CA 94105, (USA)
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant P.O. Box 56, Avila Beach, CA. 94354 (USA)
(name and address)
4. System identification Sub Assembly SOV 6 9082837-006 02-9082837E Rev 002 N/A N/A 2009
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (National Bd. no.) (year installed)
5. ASME Code, Section III, Division 1 2001 2003 Class 1 N-411-1
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501
(name and address)
7. Nuclear components, parts, appurtenances, and supports installed: (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holder's Data Reports.)

Components

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built
1" Solenoid Operated Valve Model 08H-001	Target Rock 1966E Broadhollow Road E. Farmingdale, NY 11735	S/N: 9, S/N: 12	N/A	N/A	N/A

Piping and part installation

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) National Bd. No.	(f) Year Built—Parts Only
N/A	N/A	N/A	N/A	N/A	N/A

Support installation

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) National Bd. No.	(g) Year Built
N/A	N/A	N/A	N/A	N/A	N/A	N/A

Additional material excluding welding material

(a) Name of Manufacturer	(b) Material Spec. No.	(c) Dimensions—Overall
See sheet 3	See sheet 3	See sheet 3

8. Installation in accordance with

Procedure or Drawing No.	Prepared by
50-9073949 Rev 000 as modified by 30-9111841 Rev 000	DH Wood
02- 9082837E Rev 002	DH Wood
02- 9046308D Rev 007, and 02-9046310D Rev 005	DH Wood

9. Hydrostatic test pressure 3107 PSIG at temp. 67° F System design pressure 2485 PSIG at temp. 650° F

10. Remarks

Piping subassemblies fabricated in accordance with AREVA Certified Design Specification 08-9044418-004.
Piping subassemblies marked with serial number in lieu of stamping
This subassembly is a spare and can be used in Unit #1 or Unit #2.

* Supplemental information in the form of lists, sketches, or drawings may be used provided: (1) size is 8 1/2 x 11; (2) information in items 1 and 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.

CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design report on file at AREVA NP Inc., 3315 Old Forest Rd, Lynchburg VA, 24501

Design specification certified by Larry Davis P.E. State CA Reg. no. M33472

Design report certified by James Richard Harrington. P.E. State CA Reg. no. M33811

Design conditions of pressure piping 2485 psi. Temp. 650 °F.

CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. N/A Expires N/A

Date N/A Name N/A Signed N/A
(N or NA Certificate Holder) (authorized representative)

CERTIFICATE OF INSTALLATION 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 N/A and employed by N/A of N/A have inspected the installation of the items described in this Data Report on N/A and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the installation described in this 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 N/A Signed N/A Commissions N/A
(Authorized Nuclear Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement.

We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1650 Expires June 12, 2012

Date 7/16/09 Name AREVA NP Inc. Signed Michael Taylor
(N Certificate Holder) (authorized representative)

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 Virginia and employed by HSB-CT of Hartford, CT have inspected the piping system described in this Data Report on 7/16/09 and state that to the best of my knowledge and belief, the Certificate Holder has connected this piping system in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the piping system described in this 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 7/16/09 Signed Ophus A. Hutchinson Commissions 5656 ABN, VA, 105R
(Authorized Nuclear Inspector) [National Bd. (incl. endorsements), and state or prov. and no.]

CERTIFICATE HOLDERS' DATA REPORT SUPPLEMENTARY SHEET
As Required by the Provisions of the ASME Code Section III

Pg. 3 of 3

Certificate Holder's Serial Nos. S/N 9082837-006

Attachment to ASME FORM N-5 for Subassembly SOV-6,

1. Installed and Certified by: AREVA NP, 3315 Old Forest Rd, Lynchburg VA, 24501

4. System Identification: Subassembly SOV-6, S/N 9082837-006, Drawing 02-9082837E Rev 002, CRN: N/A, National Board no: N/A, Year Built: 2009.

SUB-ASSEMBLY SOV-6 - S/N 9082837-006				
Qty	Manufacturer	Description	Heat #	Overall Dimensions
3PC	Energy and Process Corporation	1" SCH 160 SEAMLESS PIPE, SA-376 TP 304	HT# 39131	Ø1.32x6.75 Ø1.32x10.5 Ø1.32x4.80
2	Energy and Process Corporation	1" R.F. FLANGE #1500 SW SCH 160 BORE, SA-182 F347	HT# 9387H	Ø5.88x1.62

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit 2
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 - 2001, 03 Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
								<input type="checkbox"/>	
CVCS-2-8378A	Velan Valve	NF	N/A	60006361	Line-50-3"	1985	Installed (3)	<input type="checkbox"/>	Yes
CVCS-2-8378B	Velan Valve	NF	N/A	60006363	Line-246-3"	1985	Installed (3)	<input type="checkbox"/>	Yes
CVCS-2-8379A	Velan Valve	NF	N/A	60006365	Line-50-3"	1985	Installed (3)	<input type="checkbox"/>	Yes
CVCS-2-8379B	Velan Valve	NF	N/A	60006366	Line-246-3"	1985	Installed (3)	<input type="checkbox"/>	Yes
CVCS-2-8382A	Flowserve	61BEY	N/A	60007435	Line-1478-2"	1985	Installed (2)** (N)	<input checked="" type="checkbox"/>	No
CVCS-2-8403	Flowserve	E-284A-1-1	N/A	60007438	Line-1312-3"	1985	Installed (4)** (N)	<input checked="" type="checkbox"/>	No
CVCS-2-8403	Flowserve	E-284A-1-1	N/A	60007438	Line-1312-3"	1985	Corrected (5)**	<input checked="" type="checkbox"/>	No
CVCS-2-8364B	Flowserve	EB018-3-7 / 3535	N/A	60007600	Line-2534-3/4"	1985	Installed (2) (N)	<input type="checkbox"/>	No
CVCS-2-294	Flowserve	92BPA	N/A	60007600	Line-2534-3/4"	1985	Installed (2) (N)	<input type="checkbox"/>	No
CVCS-2-8148	Copes-Vulcan	NF	N/A	60020193	Line-4532-2"	1985	Installed (3)	<input type="checkbox"/>	No
78-419SL	Anchor-Darling	79	N/A	60015123	Line-57-1.5"	Unk	Installed (6)	<input type="checkbox"/>	Yes
78-137SL	Anchor-Darling	17	N/A	60020159	Line-402	1985	Installed (6)	<input type="checkbox"/>	Yes
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	

7. Remarks (continued) (2) Replaced valve and assoc piping. (3) Replace bolting. (4) Replaced valve.
 (5) Repair of Reject RT indication in new weld. (6) Replaced snubber.
 (N) New item. Code Data Report attached.

8. Design conditions 6430 psi 100 °F or valve pressure class 2680 (1)
(pressure) (temperature)
9. Cold working pressure 6430 psi at 100°F
10. Hydrostatic test 9650 psi. Disk differential test pressure 7075 psi
11. Remarks: MATERIALS MEET ASME SECTION II EDITION: 1989 ADDENDA: NONE

CERTIFICATE OF DESIGN

Design Specification certified by M. LAVIGNE P.E. State QUE Reg. no. 40052
 Design report certified by S. ISBITSKY P.E. State QUE Reg. no. 22115

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.
 N Certificate of Authorization No. N-2797-1 Expires APR 20, 2007

Date NOV 29 2006 Name VELAN INC. Signed *[Signature]*
(N Certificate Holder) (authorized representative)

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 QUEBEC and employed by REGIE DU BATIMENT of QUEBEC have inspected the pump, or valve, described in this Data Report on November 30, 2006, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 Nov. 30/2006 signed *[Signature]* Commissions QUEBEC **J-P.FACHINETTI QC# 13813**
no.) (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and

(1) For manually operated valves only.

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code , Section III, Div. 1.

1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for Pacific Gas and Electric PO Box 7760 San Francisco, CA 94120-7760
(Name and Address of Purchaser or Owner)

3. Location of Installation Diablo Canyon Power Plant 800 Price Canyon Rd. Pismo Beach, CA 93449
(Name and Address)

4. Pump or Valve Valve Nominal Inlet Size 2" Outlet Size 2"
(inch) (inch)

	(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	1878#	58BEY	N/A	W8923035 REV. E	1	N/A	2006
(2)	1878#	59BEY	N/A	W8923035 REV. E	1	N/A	2006
(3)	1878#	60BEY	N/A	W8923035 REV. E	1	N/A	2006
(4)	1878#	61BEY	N/A	W8923035 REV. E	1	N/A	2006
(5)	1878#	62BEY	N/A	W8923035 REV. E	1	N/A	2006
(6)	1878#	63BEY	N/A	W8923035 REV. E	1	N/A	2006
(7)							
(8)							
(9)							
(10)							

5. 2"-1878 Globe Valve
(Brief description of service for which equipment was designed)

36699 Item 001

6. Design Conditions 2735 psi 680 °F or Valve Pressure Class 1878 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 4507 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
N2377	SA351 CF8M	Flowserve	Body
(b) Forgings			
21560	A747-Cb7-Cu1-H1100	Flowserve	Disc

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (back)

8. Remarks 3" x 2" x 3"-1816#-YGB Globe Valve w/B320-10 B.G. Actuator

9. Design conditions 2735 psi 579 °F or valve pressure class 1816 (1)

(pressure) (temperature)

10. Cold working pressure 4358 psi at 100°F

11. Hydrostatic test 6550 psi. Disk differential test pressure 4794 psi

CERTIFICATION OF DESIGN

Design Specification certified by Kersi J. Dalal P.E. State CA Reg. no. M-16690
 Design Report certified by Theron C. Bartlett II P.E. State PA Reg. no. 039036-E

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01
 Date 8-21-98 Name BW/IP International, Inc.
Valve Division Signed [Signature]
(N Certificate Holder) (Authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State Massachusetts of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 3-13 thru 6-25, 19 98, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 8-25-98 Signed [Signature] Commissions Pennsylvania 2392
(Inspector) (Nat'l. Bd. (incl. endorsement) state or prov. and no.)

(1) For manually operated valves only.

Remarks for 2-18784-00 6100 Valve w/14" Tee Handle

Anchor/Darling Valve Co., 701 First St., Willingboro, PA 17370
 Manufactured and certified by Anchor/Darling Valve Co., 701 First St., Willingboro, PA 17370
 Design conditions 27.35 psi at 600 °F or valve or valve class 1878
 Cold working pressure 4505 psi at 100 °F
 Hydrostatic test 6775 psi. Disk differential test pressure 4958 psi

CERTIFICATION OF DESIGN

Design Specification certified by Andrew E. Arley P.E. State CA Reg. no. 014381
 Design Report certified by Ronald S. Farrell P.E. State PA Reg. no. PE-035216-B

CERTIFICATE OF SHOP COMPLIANCE

We certify that the assessments made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/92
 Date 11/20/89 Name Anchor/Darling Valve Company Signed [Signature]

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, Mass. have inspected the pump, or valve, described in this Data Report on 11/20/89 10:30 AM and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 11-30-89 Signed Charles Young Commission Pennsylvania 2392
(Not. Bd. Incl. endorsement: date of prov. and no.)

(1) For manually operated valves only.

04690007A

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)
2. Manufactured for Pacific Gas & Electric Company, P.O. Box 7760, San Francisco, CA 94120-7760
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant, 800 Price Canyon Rd., Pismo Beach, CA 93449
(name and address)
4. Model No., Series No., or Type 1878# GLOBE VALVE Drawing W9424267 Rev. G CRN N/A
5. ASME Code, Section III, Division 1: 1986 NO 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 3/4 Outlet size 3/4
(in.) (in.)
7. Material:
 (a) valve Body SA351-CF8M Bonnet N/A Disk A747-CB7-Cu1-H1100 Bolting N/A
 (b) pump Casing _____ Cover _____ Bolting _____

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
68BPA	N/A	P3448-1	N/A	6992-11
69BPA	N/A	P3448-2	N/A	6992-12
70BPA	N/A	P3448-3	N/A	6992-13
71BPA	N/A	P3448-4	N/A	6992-14
72BPA	N/A	P3448-5	N/A	6992-15
73BPA	N/A	P3448-6	N/A	6992-16
74BPA	N/A	P3448-7	N/A	6992-17
75BPA	N/A	P3448-8	N/A	6992-18
76BPA	N/A	P3448-9	N/A	6992-19
77BPA	N/A	P3448-10	N/A	6992-20
78BPA	N/A	P3368-1	N/A	6992-41
79BPA	N/A	P3368-2	N/A	6992-42
80BPA	N/A	P3368-4	N/A	6992-43
81BPA	N/A	P3368-5	N/A	6992-44
82BPA	N/A	P3368-6	N/A	6992-45
83BPA	N/A	P3368-7	N/A	6992-31
84BPA	N/A	P3368-8	N/A	6992-32
85BPA	N/A	P3368-9	N/A	6992-33
86BPA	N/A	P3368-10	N/A	6992-34
87BPA	N/A	P3368-11	N/A	6992-35
88BPA	N/A	P3368-12	N/A	6992-36
89BPA	N/A	P3368-13	N/A	6992-37
90BPA	N/A	P3368-14	N/A	6992-38
91BPA	N/A	P3368-15	N/A	6992-39
92BPA	N/A	P3368-16	N/A	6992-40

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. 68BPA THRU 92BPA

8. Design conditions 2735 psi 680 °F or valve pressure class 1878
(pressure) (temperature)
9. Cold working pressure 4507 psi at 100°F
10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi
11. Remarks: S.O. 53099-05

CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
 Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 7/28/09 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (Authorized Representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 7/28/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 7/28/09 Signed [Signature] Commissions NC1549
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 3
2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 (c) Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
SI-2-8952A	Velan Valve	891210-10	N/A	60006718	Line-SI-2" for LT-950	1985	Installed (1)* (N)	<input checked="" type="checkbox"/>	No
SI-2-8949A	Velan Valve	NF	N/A	60007926	Line-235-6"	1985	Installed (2)	<input type="checkbox"/>	No
2216-320	NPS	N/A	N/A	60020910	Line-7178-3/4"	1985	Installed (3)	<input type="checkbox"/>	No
326-403R	PG&E	N/A	N/A	60021145	Line-3866-3/4"	2009	Installed (4)	<input type="checkbox"/>	No
Line-3855	PG&E	N/A	N/A	68003580	Line-3855-2"	1985	Installed (5)**	<input checked="" type="checkbox"/>	No

7. Description of Work (1) Replace valve and assoc piping. (2) Replace Bonnet bolting. (3) Replace pipe clamp.
(4) Replace missing u-bolt nuts. (5) Replace piping with new vent installation.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure See rnk PSIG Test Temp. <100 °F
9. Remarks (*) Accum press = 600 psig. (**) SI pump discharge press = 1700 psig.
(N) New item. Code Data Report attached.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
 Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
 Signed [Signature] Engineering Manager 2/2/10
 (Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT
 have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009,
 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
[Signature] Inspector 2-4-10 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 3
2. Plant Diablo Canyon Power Plant Unit 2
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 - 2001, 03 Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
Line-3856	PG&E	N/A	N/A	68003581	Line-3856-2"	1985	Installed (5)**	<input checked="" type="checkbox"/>	No
Line-3857	PG&E	N/A	N/A	68003582	Line-3857-2"	1985	Installed (5)**	<input checked="" type="checkbox"/>	No
Line-3858	PG&E	N/A	N/A	68003583	Line-3858-2"	1985	Installed (5)**	<input checked="" type="checkbox"/>	No
SI-2-313C	Anchor Darling	94BPA	N/A	68004684	Line-3866-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-313A	Anchor Darling	77BPA	N/A	68004686	Line-689-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-313B	Anchor Darling	72BPA	N/A	68004686	Line-691-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-313D	Anchor Darling	92BNT	N/A	68004687	Line-3867-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
326-423R	PG&E	N/A	N/A	68004690	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-412R	PG&E	N/A	N/A	68004963	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-413R	PG&E	N/A	N/A	68004964	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-414R	PG&E	N/A	N/A	68004965	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-415R	PG&E	N/A	N/A	68004966	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-416R	PG&E	N/A	N/A	68004967	Line-689 & 691	2009	Installed (7)	<input type="checkbox"/>	No
326-433R	PG&E	N/A	N/A	68004972	Line-691-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-392R	PG&E	N/A	N/A	68004973	Line-3867-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-393R	PG&E	N/A	N/A	68004974	Line-3867-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-403R	PG&E	N/A	N/A	68004989	Line-3866-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-404R	PG&E	N/A	N/A	68004990	Line-3866-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-405R	PG&E	N/A	N/A	68004991	Line-3866-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-406R	PG&E	N/A	N/A	68004992	Line-3866-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
326-408R	PG&E	N/A	N/A	68004993	Line-3866-3/4"	2009	Installed (7)	<input type="checkbox"/>	No
2217-12R	PG&E	N/A	N/A	68005061	Line-1993-1.5"	1985	Installed (8)	<input type="checkbox"/>	No
414-841SL	Anchor Darling	907	N/A	68005160	Line-1977-4"	2009	Installed (9)	<input type="checkbox"/>	No
Line-689	PG&E	N/A	N/A	68005180	Line-689-3/4"	2009	Installed (10)	<input type="checkbox"/>	No
Line-691	PG&E	N/A	N/A	68005180	Line-691-3/4"	2009	Installed (10)	<input type="checkbox"/>	No
SI-2-301A	Anchor Darling	90BNT	N/A	68005204	Line-1999-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-301C	Flowserve Corp.	73BPA	N/A	68005240	Line-2001-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-301D	Anchor Darling	04BNU	N/A	68005241	Line-2002-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No
SI-2-301B	Anchor Darling	98BNT	N/A	68005280	Line-2000-3/4"	2009	Installed (6) (N)	<input type="checkbox"/>	No

7. Remarks (continued) (5) Replace piping with new vent installation. (6) Re-route Class-1 line / install new piping and valve.
(7) Install new Class-1 pipe support. (8) Class-1 support attachment by welding. (9) Install new Class-2 support.
(10) Modify Class-1 piping. (N) New item. Code Data Report attached.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 3 of 3

2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
Line-2573	PG&E	N/A	N/A	68005282	Line-2573-1"	2009	Installed (10)	<input type="checkbox"/>	No
SI-2-309	Flowsolve Corp.	98BPA	N/A	68005282	Line-7178-3/4"	2009	Installed (11) (N)	<input type="checkbox"/>	No
SI-2-311	Flowsolve Corp.	70BPA	N/A	68005282	Line-S6-3/4" off of 7178-3/4"	2009	Installed (11) (N)	<input type="checkbox"/>	No
Line-3866	PG&E	N/A	N/A	68005283	Line-3866-3/4"	2009	Installed (10)	<input type="checkbox"/>	No
564-182	PG&E	N/A	N/A	68005426	Line-691-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
7-149R	PG&E	N/A	N/A	68005502	Line-1977-4"	1985	Installed (12)	<input type="checkbox"/>	No
2216-234	PG&E	N/A	N/A	68005540	Line-2002-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
2211-16	PG&E	N/A	N/A	68005543	Line-1999-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
2211-4	PG&E	N/A	N/A	68005544	Line-2000-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
2216-28	PG&E	N/A	N/A	68005545	Line-7178-3/4"	1985	Installed (13)	<input type="checkbox"/>	No
2216-94	PG&E	N/A	N/A	68005546	Line-7178-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
2216-308	PG&E	N/A	N/A	68005548	Line-1976-2"	1985	Installed (12)	<input type="checkbox"/>	No
2216-144	PG&E	N/A	N/A	68005549	Line-1990-2"	1985	Installed (12)	<input type="checkbox"/>	No
2215-23	PG&E	N/A	N/A	68005750	Line-2001-3/4"	1985	Installed (12)	<input type="checkbox"/>	No
48-44V	PG&E	N/A	N/A	68006241	Line-223-12"	1985	Installed (14)	<input type="checkbox"/>	No
564-184	PG&E	N/A	N/A	68006283	Line-691-3/4"	2009 1985	Installed (7)(15)	<input type="checkbox"/>	No
2211-18	PG&E	N/A	N/A	68007241	Line-2000-3/4"	1985	Installed (16)	<input type="checkbox"/>	No
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	

7. Remarks (continued) (7) Install new Class-1 pipe support. (10) Modify Class-1 piping. (11) Install new piping and valve. (12) Modify support. (13) Modify Class-3 support and upgrade to Class-1 support. (14) Class-2 support attachment by welding. (15) Weld pipe lugs to line. (16) Replaced U-bolt. (N) New item. Code Data Report attached.

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Div. 1

1. Manufactured by URVAN INC 2125 WARD AVE, MTH QUE, CANADA
 (Name and Address of N Certificate Holder)
 2. Manufactured for PACIFIC GAS & ELECTRIC CO.
 (Name and Address of Purchaser or Owner)
 3. Location of Installation DIABLO CANYON P.P.
 (Name and Address)
 4. Pump or Valve 2" BB Globe 600* Nominal Inlet Size 2" Outlet Size 2"
 (Inch) (Inch)

(a) Model No. (b) N Certificate Holder's (c) Canadian
 Series No. Serial Registration (d) Drawing (f) Nat'l. (g) Year
 or Type No. No. No. No. (e) Class Bd. No. Built

(1) W08-20746-1315 891210-1 - PI-72709-N-2 2 - 1989
 (2) TO REV: 0
 (3) 891210 -20
 (4) _____
 (5) _____
 (6) _____
 (7) _____
 (8) _____
 (9) _____
 (10) _____

5. _____
 (Brief description of service for which equipment was designed)

6. Design Conditions 1440 psi 100 °F or Valve Pressure Class 600* (1)
 (Pressure) (Temperature)
 7. Cold Working Pressure _____ psi at 100°F.
 8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>DISC</u>	<u>AMS-5387, ST⁶</u>	<u>VESTSHELL</u>	<u>H/C: V85088</u>
(b) Forgings			
<u>BODY</u>	<u>SA-182 - F316</u>	<u>FEAT</u>	<u>H/C: h-I</u>
<u>BONNET</u>	<u>SA-182, F316</u>	<u>CAUFORGE FEAT</u>	<u>H/C: BB, h-h</u>

(1) For manually operated valves only.
 * Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

04034 1407

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
STUDS	SA-564, 630	CARDINAL	N/C: AT-12
NUTS	SA-194, 688	VEKAN	N/C: CF
(d) Other Parts			
HARDFACING	SAFAS-13	ST-6	CABOT
			N/C: 3-0592

9. Hydrostatic test 2250 psi. Disk Differential test pressure _____ psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. I., Edition 1980.

Addenda S 82 (Date) Code Case No. _____ Date _____

Signed VEKAN INC (N Certificate Holder) by [Signature]

Our ASME Certificate of Authorization No. N-2797-1 to use the N (N) symbol expires MAY 2/92 (Date)

CERTIFICATION OF DESIGN

Design information on file at VEKAN INC

Stress analysis report (Class 1 only) on file at _____

Design specifications certified by (1) ANDREW F ARIEY

PE State CA Reg. No. 04381

Stress analysis certified by (1) S. ISBITSKY

PE State QOE Reg. No. 2215

(1) Signature not required. List name only.

CERTIFICATE OF SHOP 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 Quebec and employed by Province of Quebec have inspected the pump, or valve, described in this Data Report on Sept 21 19 89, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this 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 Sept 21 19 89
[Signature] Inspector
 Commissions (11)
 (Nat'l Bd., State, Prov. and No.)

040741406

FORM NPV-1 (Back — Pg. 2 of 2)

93BPA THRU 99BPA
01BPB THRU 03BPB

Certificate Holder's Serial No. _____

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878

9. Cold working pressure 4507 psi at 100°F

10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi

11. Remarks: S.O. 53099-05

CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 7/28/09 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (Authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 7/28/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 7/28/09 Signed [Signature] Commissions NCL549
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)
2. Manufactured for Pacific Gas & Electric Company, P.O. Box 7760, San Francisco, CA 94120-7760
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant, 800 Price Canyon Rd., Pismo Beach, CA 93449
(name and address)
4. Model No., Series No., or Type 1878# GLOBE VALVE Drawing W9424267 Rev. G CRN N/A
5. ASME Code, Section III, Division 1: 1986 NO 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 3/4 Outlet size 3/4
(in.) (in.)
7. Material:
 (a) valve Body SA351-CF8M Bonnet N/A Disk A747-CB7-Cu1-H1100 Bolting N/A
 (b) pump Casing _____ Cover _____ Bolting _____

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
68BPA	N/A	P3448-1	N/A	6992-11
69BPA	N/A	P3448-2	N/A	6992-12
70BPA	N/A	P3448-3	N/A	6992-13
71BPA	N/A	P3448-4	N/A	6992-14
72BPA	N/A	P3448-5	N/A	6992-15
73BPA	N/A	P3448-6	N/A	6992-16
74BPA	N/A	P3448-7	N/A	6992-17
75BPA	N/A	P3448-8	N/A	6992-18
76BPA	N/A	P3448-9	N/A	6992-19
77BPA	N/A	P3448-10	N/A	6992-20
78BPA	N/A	P3368-1	N/A	6992-41
79BPA	N/A	P3368-2	N/A	6992-42
80BPA	N/A	P3368-4	N/A	6992-43
81BPA	N/A	P3368-5	N/A	6992-44
82BPA	N/A	P3368-6	N/A	6992-45
83BPA	N/A	P3368-7	N/A	6992-31
84BPA	N/A	P3368-8	N/A	6992-32
85BPA	N/A	P3368-9	N/A	6992-33
86BPA	N/A	P3368-10	N/A	6992-34
87BPA	N/A	P3368-11	N/A	6992-35
88BPA	N/A	P3368-12	N/A	6992-36
89BPA	N/A	P3368-13	N/A	6992-37
90BPA	N/A	P3368-14	N/A	6992-38
91BPA	N/A	P3368-15	N/A	6992-39
92BPA	N/A	P3368-16	N/A	6992-40

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. 68BPA THRU 92BPA

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878

9. Cold working pressure 4507 psi at 100°F

10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi

11. Remarks: S.O. 53099-05

CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 7/28/09 Name Flowserve Corporation Signed [Signature] (N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT.

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 7/28/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 7/28/09 Signed [Signature] Commissions NC1549 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Certificate Holder's Serial No. _____

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878
9. Cold working pressure 4507 psi at 100°F
10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi
11. Remarks: S.O. 53099-01

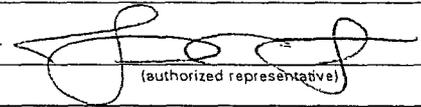
CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
 Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

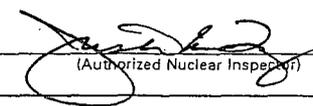
Date 6/19/09 Name Flowserve Corporation Signed  (N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 6/19/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 6/19/09 Signed  (Authorized Nuclear Inspector) Commissions NC1549 (Nat'l. Bd. (incl. endorsements) and state or prov. end no.)

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)
2. Manufactured for Pacific Gas & Electric Company, P.O. Box 7760, San Francisco, CA 94120-7760
(name and address of Purchaser)
3. Location of installation Diablo Canyon Power Plant, 800 Price Canyon Rd., Pismo Beach, CA 93449
(name and address)
4. Model No., Series No., or Type 1878# GLOBE VALVE Drawing W9424267 Rev. G CRN N/A
5. ASME Code, Section III, Division 1: 1986 NO 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 3/4 Outlet size 3/4
(in.) (in.)
7. Material:
 (a) valve Body SA351-CF8M Bonnet N/A Disk A747-CB7-Cu1-H1100 Bolting N/A
 (b) pump Casing _____ Cover _____ Bolting _____

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
02BNU	N/A	N5534-21	N/A	6934-59
03BNU	N/A	N5534-22	N/A	6934-60
04BNU	N/A	N5534-23	N/A	6934-61
05BNU	N/A	N5534-24	N/A	6934-62
06BNU	N/A	N5534-25	N/A	6934-63
07BNU	N/A	N5522-17	N/A	6934-49
08BNU	N/A	N5522-18	N/A	6934-50
09BNU	N/A	N5522-19	N/A	6934-51
10BNU	N/A	N5522-20	N/A	6934-52
11BNU	N/A	N5522-21	N/A	6934-53
12BNU	N/A	N5522-22	N/A	6934-54
13BNU	N/A	N5522-23	N/A	6934-55
14BNU	N/A	N5522-24	N/A	6934-56
15BNU	N/A	N5522-25	N/A	6934-57
16BNU	N/A	N5522-26	N/A	6934-58
81BNT	N/A	N5534-1	N/A	6934-29
82BNT	N/A	N5534-2	N/A	6934-30
83BNT	N/A	N5538-26	N/A	6934-31
84BNT	N/A	N5534-4	N/A	6934-32
85BNT	N/A	N5534-5	N/A	6934-33
86BNT	N/A	N5534-6	N/A	6934-34
87BNT	N/A	N5534-7	N/A	6934-35
88BNT	N/A	N5534-8	N/A	6934-36
89BNT	N/A	N5534-9	N/A	6934-37
90BNT	N/A	N5534-10	N/A	6934-38

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

02BNU THRU 16BNU
81BNT THRU 90BNT

Certificate Holder's Serial No. _____

8. Design conditions 2735 (pressure) psi 680 (temperature) °F or valve pressure class 1878
9. Cold working pressure 4507 psi at 100°F
10. Hydrostatic test 6775 psi. Disk differential test pressure 4960 psi
11. Remarks: S.O. 53099-01

CERTIFICATION OF DESIGN

Design Specification certified by Floyd A. Bensinger P.E. State PA Reg. no. PE-31002-E
 Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 6/19/09 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 6/19/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 6/19/09 Signed [Signature] Commissions NC1549
(Authorized Nuclear Inspector) [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 (c) Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
RV-8707 (spare)	Crosby Valve	RV-2-8707-PEG	N/A	60015550	S/C D942513	Unk	Installed (1)	<input type="checkbox"/>	No
Line-7169	PG&E	N/A	N/A	68004433	Line-7169-18"	2009	Installed (2)	<input checked="" type="checkbox"/>	No
Line-7173	PG&E	N/A	N/A	68004434	Line-7173-18"	2009	Installed (2)	<input checked="" type="checkbox"/>	No
414-842A	PG&E	N/A	N/A	68005925	Line-7169-18"	2009	Installed (3)	<input type="checkbox"/>	No
414-843A	PG&E	N/A	N/A	68005926	Line-7173-18"	2009	Installed (3)	<input type="checkbox"/>	No

7. Description of Work (1) Replacd RV nozzle during rebuild. (2) Installed Void accumulation header and assoc piping.
(3) Installed new Class-2 support.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 350 PSIG Test Temp. 250 °F

9. Remarks

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
Signed Patrick Nugent Engineering Manager 2/2/10
(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, And employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-4-10 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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit 2
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 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 - 2001, 03 (c) Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
CCW-2-245	Fisher Cont'ls	BF184878	N/A	60006688	Line-2211-6"	1985	Installed (1)(2)	<input type="checkbox"/>	No
72-57SL	Anchor-Darling	57	N/A	60020226	Line-2342	1985	Installed (3)	<input type="checkbox"/>	No
Line-148	PG&E	N/A	N/A	68001248	Line-148-10"	1985	Removed (4)*	<input checked="" type="checkbox"/>	No
Line-149	PG&E	N/A	N/A	68001248	Line-149-10"	1985	Removed (4)*	<input checked="" type="checkbox"/>	No

7. Description of Work (1) Replace internals. (2) Replaced bolting. (3) Replaced snubber. (4) Remove piping (cut & cap).
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure see rmk's PSIG Test Temp. °F
9. Remarks (*) CCW discharge press = 100 psig. (**) Press at CCWF1 = 92 psig.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
 Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
 Signed *Patrick Nugent* Engineering Manager 2/2/10
 (Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT
 have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009,
 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
 Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his
 employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.
 Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any
 kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-4-10 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 ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 2
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 Makeup Water System (16)
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 - 2001, 03 (c) Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
92-134R	PG&E	N/A	N/A	60010694	Line-384-4"	1985	Installed (1)	<input type="checkbox"/>	No
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	

7. Description of Work (1) Modify support (welded attachment).
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure PSIG Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
 Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
 Signed *Patrick Nugent* Engineering Manager 2/2/10
 (Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT
 have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009,
 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the
 Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his
 employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.
 Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any
 kind arising from or connected with this inspection.
Kenny D. Kim Inspector 2-4-10 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 2
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 Saltwater System (17)
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 - 2001, 03 (c) Addenda, Code Case N/A
6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
414-498R	PG&E	N/A	N/A	C0212065	Line-5199-4"	Unk	Installed (1)	<input type="checkbox"/>	No
SW-2-55	Fisher Controls Co.	BE701	N/A	60002225	Line-687-24"	1985	Installed (2) (N)	<input checked="" type="checkbox"/>	No
								<input type="checkbox"/>	
								<input type="checkbox"/>	
								<input type="checkbox"/>	

7. Description of Work (1) Replace clamps and bolting hardware. (2) Replaced valve.
(N) New item. Code Data Report attached.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 47 PSIG Test Temp. NOT °F
9. Remarks

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
 Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
 Signed [Signature] Engineering Manager 2/2/10
 (Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

[Signature] Inspector 2-4-10 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 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. BE701 & BE702

8. Design conditions 230 (pressure) psi 100 (temperature) °F or valve pressure class 150

9. Cold working pressure 230 psi at 100°F

10. Hydrostatic test 350 psi. Disk differential test pressure 255 psi

11. Remarks: _____

SO 42655-3, 24" 150 BUTTERFLY VALVE

CERTIFICATION OF DESIGN

Design Specification certified by KERSI J. DALAL P.E. State CA Reg. no. M-16690
 Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 10/31/08 Name Flowserve Corporation Signed Vic Segal
(N Certificate Holder) (authorized representative)

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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on

10/31/08, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this 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 10/31/08 Signed J. M. Tall Commissions NE 1421
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner Pacific Gas and Electric Company Date 1/25/10
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 2

2. Plant Diablo Canyon Power Plant Unit 2
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 Diesel Engine Generator System (21)

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 - 2001, 03 (c) Addenda, Code Case N/A

6. Identification of components.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Pressure Test	ASME Code Stamped (Yes or No)
JWP1	ALCO Power Inc.	259002	N/A	60001841	DEG 2-1 JW pump	1992	Installed (1)	<input checked="" type="checkbox"/>	No
DEG 2-3 JW	ALCO Power Inc.	N/A	N/A	60018822	DEG 2-3 Jacket Water	Unk	Installed (2)	<input checked="" type="checkbox"/>	No
DEG 2-1 JW	ALCO Power Inc.	N/A	N/A	64005093	DEG 2-1 Jacket Water	Unk	Installed (3)	<input type="checkbox"/>	No

7. Description of Work (1) Replace Jacket Water pump with refurbished spare. (2) Replace couplings, clamps and bolting.
(3) Replace expansion tank cap.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 48 PSIG Test Temp. NOT °F

9. Remarks

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol Stamp N/A Certificate of Authorization No. N/A Expiration Date N/A
Signed *Patrick Nugent* Engineering Manager 2/2/10
(Owner or Owner's Designee) Patrick Nugent (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, And employed by HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13, 2008 to 12/10, 2009, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Kenny D. Kim Inspector 2-4-10 Commissions CA 1828 - NB 9990 A.N.I.C.
Kenny D. Kim (Title) (Date) (State or Province, National Board)

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