

Donna Jacobs Vice President Nuclear Services **Diablo Canyon Power Plant** P. O. Box 56 Avila Beach, CA 93424

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August 27, 2007

PG&E Letter DCL-07-084

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

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

Dear Commissioners and Staff:

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

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 Gary Close, Manager Technical Support Engineering, at (805) 545-4122.

Sincerely,

Donna Jacobs

ddm/469/A0661378 Enclosure Diablo Distribution CC: Michael A. Brown, NRC Acting Senior Resident cc/enc: Bruce S. Mallett, NRC Region IV Alan B. Wang, NRC Project Manager State of California, Pressure Vessel Unit

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A member of the STARS (Strategic Teaming and Resource Sharing) Alliance Callaway • Comanche Peak • Diablo Canvon • Palo Verde • South Texas Project • Wolf Creek

Enclosure PG&E Letter DCL-07-084

INSERVICE INSPECTION REPORT FOR DCPP UNIT 1 FOURTEENTH REFUELING OUTAGE

Diablo Canyon Power Plant

Unit 1

USNRC Docket No. 50-275

Operating License No. DPR-80

Commercial Operation Date, May 7,1985
Prepared By: Jalland Um mm
Thomas L. Alcott and Chris Beard, ISI Specialists
Reviewed By:
James Hill, Lead ISI Specialist
Approved By: Day & Close
Gary Close, 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: 8/08/07

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

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



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SECTION A

INTRODUCTION

SECTION A

INTRODUCTION

Inservice inspection (ISI) of scheduled ASME Section XI components and their supports at Pacific Gas and Electric Company's Diablo Canyon Power Plant (DCPP) Unit 1 was completed during the fourteenth refueling outage from April through May, 2007. The DCPP Unit 1 fourteenth refueling outage (1R14) was the first outage in the first period within the third 10-year ISI interval.

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

This report is submitted as required by ASME Section XI, paragraph IWA-6240, and is organized in several sections. An introduction is provided in Section A. Section B contains the completed ASME Code Data Report Form NIS-1 for Class 1 and 2 components. Sections C and D detail the Class 1 and 2 examinations performed, date of examination (for group items or for more than one type of examination performed, the date provided is the most recent examination date), any unusual conditions noted, corrective actions if required, and explanatory remarks.

System pressure tests on Class 1 and 2 systems conducted during the period following 1R13, and up to and including 1R14, are reported in Section E.

Appendix J, containment penetration pressure tests are reported in Section F.

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

Augmented exams are reported in Section H.

Section I of this report, Repair / Replacement Activities, contains the completed ASME Code Data Report Form NIS-2 for those 1R14 work packages closed prior to and including June 30, 2007 and for any mid cycle and 1R13 packages closed after January 4, 2006. NIS-2 reports for 1R14 work packages that are closed after June 30, 2007 will be included in the next outage report. Corrective actions and work order package documentation are on file at DCPP and are referenced by work order number in the NIS-2 reports.

SECTION B

ASME CODE DATA NIS-1 FORMS

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

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel Head	Combustion Engineering Westinghouse	CE 66204	11475-76	20760
Steam Gen 1-1	Westinghouse	1041	N/A	68-12
Steam Gen 1-2	Westinghouse	1042	N/A	68-13
Steam Gen 1-3	Westinghouse	1043	N/A	68-14
Steam Gen 1-4	Westinghouse	1044	N/A	68-15
Reactor Coolant Pump 1-2	Westinghouse	507	N/A	N/A
Class 1 Valves	Various	N/A	N/A	N/A
Class 1 Supports	Various	N/A	N/A	N/A
Class 1 Piping	Wismer & Becker/Kellogg	N/A	N/A	N/A
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<u> </u>		· · · · · · · · · · · · · · · · · · ·	· ·	
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8 \frac{1}{2}$ 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 to 05/07
9.	Inspection Period Identification:First
10.	Inspection Interval Identification:
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. <u>Refer to ISI Report</u>
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	n No. ₍ (if	applicabl	e)	N/A	Expirati	on Date	<u>N/A</u>
Date	8/14	20 07	Signed	Engineering M	lanager By	Day R(lore
	-7-7			Owne		Gary C	

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>California</u> and employed by <u>HSB-CT</u> of <u>Harford, CT</u> have inspected the components described in this Owners' Data Report during the period <u>04/07</u> to <u>05/07</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date 20 O Commissions CA 1828, NB 9990 A.N.I.C. National Board, State, Province and No. Inspector's Signature/Kenny Kim

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

- 1. Owner Pacific Gas & Electric Company, 77 Beale St., San Francisco, CA 94106
- 2. Plant Diablo Canyon Power Plant, P.O. Box 56, Avila Beach, CA 93424
- 3. Plant Unit _____One _____4. Owner Certificate of Authorization (if required) _____N/A
- 5. Commercial Service Date 05/07/85 6. National Board Number for Unit N/A
- 7. Component Inspected <u>ASME Code Class 2 Items</u>

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 Power	N/A	N/A	N/A
S. I. Pump 1-1 .	Pacific Pumps	45497	N/A	N/A
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is $8\frac{1}{2}$ 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 Dates04/07 to05/07
9.	Inspection Period Identification: First
10.	Inspection Interval Identification:
11.	Applicable Edition of Section XI <u>2001</u> Addenda <u>2003</u>
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. <u></u>
14.	Abstract of Results of Examinations and Tests Refer to ISI Report
15.	Abstract of Corrective Measures

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 Authorizatio	n Nø. (if	applicabl	e)	N/A	Expi	ration Date _	N/A
Date	8/14/	2007	Signed	Engineering	Manager	By Hour	2 Clac
	1 1-	_		Owr		Gary	Close

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>California</u> and employed by <u>HSB-CT</u> of <u>Harford, CT</u> have inspected the components described in this Owners' Data Report during the period <u>04/07</u> to <u>05/07</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owners' Data Report in accordance with the requirements of the ASME Code, Section XI.

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

Date Commissions Inspector's Signature/Kenny Kim

CA 1828, NB 9990 A.N.I.C. National Board, State, Province and No.

SECTION C

CLASS ONE COMPONENTS

	as and Electric Com		DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85					
THIRD I	NTERVAL, FIRST	PERIOD, FIRST R	EFUELING OUTAGE	REPORT	(1R14)	MAJOR ITEM: REACTOR VESSEL		
ASME SI	ECTION XI SYSTE	MS - CLASS 1						
		<u> </u>				PAGE 1 of 1		
CATEGO	DRY	COMPONENT /	WELD OR	EXAM	EXAM			
ITEM	DESCRIPTION	LINE	COMPONENT NO.	TYPE	DATE	COMMENTS	RESULTS	
B-G-1								
B6.10	RPV1 Closure Head Nuts	RPV Bolting > 2" diam.	RPV1 Nuts 1 to 18	VT-1	5-13-07	18 Items Examined, 33% Completed	NRI	
B6.20	RPV1 Closure Head Studs		RPV1 Studs 1 to 18	UT	5-13-07	18 Items Examined, 33% Completed	NRI	
B6.50	RPV1 Closure Washers		RPV1 Washer 1 to 18	VT-1	5-13-07	18 Items Examined, 33% Completed	NRI	
B-N-1, 2, & 3							· .	
B13.10	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	Reactor Vessel 1 Interior	VT-3	5-23-07	1 Item Examined, 100% Completed	NRI	

Pacific Gas and Electric Company

DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85

THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14)

MAJOR ITEM: STEAM GENERATORS

1.

ASME SECTION XI SYSTEMS - CLASS 1

CAT B16.20	STEAM	GENERATOR TUBING (T	PAGE 1 of 1		
SCOPE	PROBE	SG 11	SG 12	SG 13	SG 14
Full length (except	Bobbin	100%	100%	100%	100%
Rows 1 and 2 U-bends)	}				
Rows 1 to 2 U-bends	Plus Point	100%	100%	100%	100%
Rows 3 to 8 U-bends	Plus Point	20%	20%	20%	20%
Repeat PWSCC inds. at	Plus Point	100%	100%	100%	100%
dents & top of tubesheet					
HotLeg top of tubesheet	Plus Point	100%	100%	100%	100%
\geq 5 volt dented TSP	Plus Point	100% hot leg and cold leg	100% 1H to 7C	20% 1H-7H, plus expanded	100% 1H to 6H
intersections	(Note 1)		20% 6C	scope; 100% cold leg	20% 7H
> 2 and < 5 volt dented	Plus Point	100% hot leg and cold leg	100% 1H to 7C	20% 1H plus expanded	100% 1H to 6H
TSP intersections	(Note 1)		20% 6C	scope; 100% 7C to 4C	20% 7H
\leq 2 volt dented TSP	Plus Point	100% 1H	NA	NA	NA
intersections	(Note 1)	20% 2H	[
\geq 1.7 volt distorted OD	Plus Point	100%	100%	100%	100%
bobbin signals (DOS) at					
TSP intersections	l				
Distorted ID bobbin	Plus Point	100%	100%	100%	100%
signals (DIS) at TSP					
intersections					
>5 volt free span dings	Plus Point	20%	20%	20%	20%
\geq 2 volt ding coincident	Plus Point	20%	20%	20%	20%
with AVB location				- <u></u>	
Paired dings	Plus Point	20%	20%	20%	20%
New cold leg thinning	Plus Point	100%	100%	100%	100%
(CLT) indications	(Note 2)				
Bobbin "I" codes	Plus Point	100%	100%	100%	100%
TSP ligament inds.	Plus Point	100%	100%	100%	100%
Tubes plugged		17	25	14	6

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

Note 2 : Included >1.5 volt repeat CLT indications not inspected since 1R12

Pacific (Gas and Electric Co	mpany	DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85				
THIRD	INTERVAL, FIRST	r period, first r	MAJOR ITEM: BOLTING				
ASME S	SECTION XI SYST	EMS - CLASS 1					
б _{ен.}						PAGE 1 of 1	
CATEG ITEM	ORY DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
B-G-1							
B6.200	RCP 1-2 Main Flange Nuts	Pump Bolting > 2" diam.	RCP 1-2 Nuts 1-24	VT-1	5-7-07	24 Items Examined; 100% Completed	NRI
B-G-2							
B7.50	U1 Pipe Flange Bolting	S6-727-6	RV-8010C Inlet Flange Studs	VT-1	5-10-07	12 Studs Examined, 100% Completed	NRI
B7.60	RCP Lower Seal Housing Bolts	RCP 1-2 Lower Seal Housing	RCP Seal Housing Socket Head Screws	VT-1	5-5-07	12 Screws Examined, 100% Completed	NRI

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Pacific (Gas and Electric Cor	npany	DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85				
THIRD	INTERVAL, FIRST	PERIOD, FIRST R	EFUELING OUTAGE	REPORT	(1R14)	MAJOR ITEM: PUMPS and VALVES	
ASME S	SECTION XI SYSTI	EMS - CLASS 1					
		<u> </u>	· · · · · · · · · · · · · · · · · · ·			PAGE 1 of 1	<u> </u>
CATEG	ORY	COMPONENT /	WELD OR	EXAM	EXAM		
ITEM	DESCRIPTION	LINE	COMPONENT NO.	TYPE	DATE	COMMENTS	RESULTS
B-K					· <u> </u>		<u> </u>
B10.30	RC Pump Welded Attachment	RCP 1-2 Support Lug	Lug Weld No. 2	PT	5-11-07	1 Item Inspected; 50% Completed	NRI
B-M-1 B-M-2							
B12.50	Accumulator Inj Lp 2: Valve Interior	S6-253-10SPL+	8948B Interior	VT-3	5-9-07	1 Item Inspected; 100% Completed	NRI

Pacific Gas and Electric Company

DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85

THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14) MAJOR ITEM: PIPING

ASME SECTION XI SYSTEMS - CLASS 1

	<u> </u>	<u> </u>				PAGE 1 of 2	
CATEO ITEM	GORY DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
RI-ISI (RB)	Loop 1 Spray Line	S6-13-4SPL	WIB-414	UT	5-8-07	RI-ISI: 14 Items Inspected; 21% Completed	NRI
			WIB-411	UT	5-8-07		NRI
	Pressurizer Spray Line	S6-15-4SPL	WIB-394	UT	5-8-07		NRI
	Pzr RV-8010A Inlet	S6-729-6SPL+	WIB-316	UT	5-4-07		NRI
	Pzr RV-8010B Inlet	S6-728-6SPL+	WIB-326	UT	5-4-07		NRI
	Pzr RV-8010C Inlet	S6-727-6SPL+	WIB-335	UT	5-4-07		NRI
	Loop 1 CL Drain RCDT	S6-958-2SPL+	WIB-22	РТ	5-12-07		NRI
	Loop 3 CL Drain RCDT	S6-960-2SPL+	WIB-251	РТ	5-12-07		NRI
	HL Recirc bef V-8702	S6-109-14SPL	WIB-237	UT	5-3-07		NRI

Pacific Gas and Electric Company

DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85

THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14) MAJOR ITEM: PIPING

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ASME SECTION XI SYSTEMS - CLASS 1

						PAGE 2 of 2	
CATEGORY ITEM DESCRIPTION		COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
RI-ISI cont'd	Reac Cool Pp 1-2 Seal Wtr In	S6-55-2	WIB-984	PT	5-13-07		NRI
			WIB-985	PT	5-13-07		NRI
	Reac Cool Pp 1-4 Seal Wtr In	S6-57-2	WIB-1018	РТ	5-6-07		NRI
			WIB-1016	РТ	5-6-07		NRI
			WIB-1010	РТ	5-6-07		NRI

Pacific Gas and I	Electric Company		DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85				
THIRD INTERV	AL, FIRST PERIOD,	FIRST REFUEL	MAJOR ITEM: SUI	PPORTS			
ASME SECTION	N XI SYSTEMS - CLA	SS 1					
					PAGE 1 of 1		
CATEGORY							
F-A		SUPPORTS					
F1.10		SUPPORT COM	PONENTS				
	ervice inspection was p 25/07. The supports we				during the fourteenth r	efueling outage be	etween the dates of
LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT
6	Support A	16	51-24V	730	48-26CS	3845	11-15SL
. 14	52-19V	24	52-3V	1172	48-27V	3857	2156-35
14	42-63R	51	2152-72	1665	56N-4R	3857	2156-36
14	11-17SL	235	10-24SL	1665	56N-5V		

1995

1995

57N-34R

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57N-33R

10-4SL

48-1R

15

15

42-5R

11-143R

254

729

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SECTION D

CLASS TWO COMPONENTS

			REFUELING OUTAGE	C REPORT	' (1R14)	MAJOR ITEM: Piping	
ASME S	SECTION XI SYSTE	EMS - CLASS 2					
·		<u> </u>				PAGE 1 of 1	<u>-</u>
CATEG ITEM	ORY DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
RI-ISI (RB)	Cent Charg Pump 1-1 Disch	S6-45-4	WIC-45A	UT	4-26-07	RI-ISI: 5 Items Inspected; 13% Completed	NRI
	Cent Charg Pump 1-2 Disch	S6-46-4	WIC-46A	UT	4-26-07		NRI
	Charging Injection Out	86-2033-4	RB-2033-4	UT	4-26-07		NRI
			WIC-2033A	UT	4-26-07		NRI
	Charging Inj Out Cold Legs	S6-1979-4	WIC-1979A	UT	4-26-07		NRI

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	Gas and Electric Con INTERVAL, FIRST		EFUELING OUTAGE	'(1R14)	DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85 MAJOR ITEM: INTEGRAL			
ASME S	ECTION XI SYST	EMS - CLASS 2		ATTACHMENTS				
			<u></u>			PAGE 1 of 1		
CATEG	ORY	COMPONENT /	WELD OR	EXAM	EXAM			
ITEM	DESCRIPTION	LINE	COMPONENT NO.	TYPE	DATE	COMMENTS	RESULTS	
C-C						· · · · · · · · · · · · · · · · · · ·		
C3.10	Pressure Vessels Welded Attach's.	Seal Injection Filter 1-1	Support Leg Attachment	VT-3	5-31-07	VT-3 in-lieu of PT per relief request NDE-SFL; 1 Item Examined; 100% Completed	NRI	
C3.20	Lp 4 H/L to RHR Welded Attach's.	Line S1-927-14III	57S-20V Attach. Paramount	РТ	5-16-07	6 Items Examined; 2.5% Completed	NRI	
	RHR to H/L 1&2. Welded Attach's.	Line S1-985- 12IIIP	40-46A Attach. X219	РТ	5-12-07		NRI	
	S/G Stm Out 1-1. Welded Attach's	Line K15-228- 28V	1020-1V Attach. Lugs	MT	5-9-07		NRI	
	S/G FW Sup 1-1. Welded Attach's	Line K16-554- 16V	1037-7V Attach. Paramount	MT	5-9-07		NRI	
	RHR to C/L 1&2. Welded Attach's	Line S6-509-8III	57N-5R Attach. Paramount	РТ	5-7-07		NRI	
	CCP 1-1 Disch. Welded Attach's	Line S6-45-4	73-35R Attach. Lugs	РТ	5-11-07		NRI	

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						DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85 MAJOR ITEM: BOLTING		
THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14) ASME SECTION XI SYSTEMS - CLASS 2								
	, ·		•			PAGE 1 of 1		
CATEC ITEM	GORY DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS	
C-D		·	<u> </u>				<u> </u>	
C4.30	SI Pump 1-1;	Safety Injection	8 Studs >2" dia.	UT	5-11-07	8 Studs Inspected; 100% Completed	NRI	

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Pacific Gas and Electric Company	DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85
THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R	14) MAJOR ITEM: PIPING SUPPORTS
ASME SECTION XI SYSTEMS -	
CLASS 2	
	PAGE 1 of 1
CATEGORY	
	-

F-A SUPPORTS

F1.20 SUPPORT COMPONENTS

The required inservice inspections were performed on 22 (2.6% Total Population) Class 2 hangers prior to and during the fourteenth refueling outage between the dates of 04/26/07 and 05/31/07. Results were found acceptable. Data reports are on file.

LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT	LINE	SUPPORT
S/G 1-2	SG-01-02-NE	RHR Pp 1-1	4-22SL	508	15-65SL	927	12-7SL
S/G 1-2	SG-01-02-NW	RHR Pp 1-1	4-23SL	509	15-80SL	927	56N-2R
S/G 1-2	SG-01-02-SE	SI Pp 1-1	Pump Pedestal and Base	509	57N-5R	927	57S-20V
S/G 1-2	SG-01-02-SW	CCP 1-1	Four Support Legs and Base	554	1037-7V	985	40-46A
S/G 1-2	Belly Band	228	1020-1V	557	1049-17SL	3844	42-36R
Seal Injection Filter 1-1	3 Support Legs	314	13-58SL			· · · · · · · · · · · · · · · · · · ·	

SECTION E

SYSTEM PRESSURE TESTS

Pacific Gas and Electric Company **DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85** THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14) **MAJOR ITEM: PRESSURE TESTS** ASME SECTION XI SYSTEMS - CLASS 1 & 2 PAGE 1 of 1 TEST CLASS DESCRIPTION EXAM COMMENTS NO. RESULTS DATE Reactor Coolant System and Connected Piping 05/27/07 STP-R8A 1 NRI 1 2 1 Excess Letdown between 8166 & 8167 05/27/07 NRI STP-R8A 3 1 Pressurizer Auxiliary spray STP-R8A NRI 05/27/07 Alternate Charging 4 1 NRI 05/27/07 STP-R8A RHR & SI to Cold Legs 5 1 05/27/07 STP-R8A NRI 6 1 Charging Injection Inside Cont. STP-R8A NRI 05/27/07 Safety Injection Inside Cont, From 8905A-D to NRI 7 1 05/27/07 STP-R8A 8949A-D 8 1 RHR Between 8702 & 8701 05/27/07 STP-R8A NRI

		ctric Company L, FIRST PERIOD, FIRST REFUELING OUTAGE	SERV	LO CANYON POWER PLANT - UNIT 1 ICE DATE: 05/07/85 DR ITEM: PRESSURE TESTS	
ASME S	SECTION >	XI SYSTEMS - CLASS 1 & 2	· • • •	PAGE	2 of 2
TEST NO.	CLASS	DESCRIPTION	EXAM DATE	COMMENTS	RESULTS
3	2	Auxiliary Feedwater Pump X-1 Discharge	5/31/07	····	NRI
12	2	Charging Injection 8801A & B to 8820	5/27/07		NRI
18	2	Accumulator, RHR & Charging Test Lines	5/3/07		NRI
22	2	Safety Injection Pumps Discharge to Hot Legs from 8802A & B to 8904A-D	5/27/07		NRI
27	2	Cont Spray Pump Disch Piping to 9006A	5/4/07		NRI
28	2	Cont Spray Pump Disch Piping to 9006B	5/6/07		NRI

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SECTION F

Appendix- J Containment Penetration Pressure Test

Pacific Gas and Electric Company

DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85

THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14)

MAJOR ITEM: Containment Penetration Appendix J

PAGE 1 of 1

ASME SECTION XI SYSTEMS - CLASS 1 & 2

PEN NO.	STP NO.	Results	EXAM DATE	PEN NO.	STP NO.	Results	EXAM DATE	PEN NO.	STP NO.	Results	EXAM DATE
19	V-619	Acceptable	5/3/07	61	V-661	Acceptable	5/24/07	52F	V-678	Acceptable	5/8/07
20	V-620	Acceptable	5/3/07	62	V-662	Acceptable	5/24/07	78A	V-678	Acceptable	5/8/07
22	V-623	Acceptable	5/3/07	63	V-663	Acceptable	5/22/07	78B	V-678	Acceptable	5/8/07
23	V-623	Acceptable	5/3/07	65	V-665	Acceptable	4/16/07	79	V-679	Acceptable	5/7/07
30	V-630	Acceptable	5/6/07	68 ·	V-668	Acceptable	5/9/07 ·	82A	V-682A	Acceptable	5/8/07
31	V-631	Acceptable	5/16/07	69	V-668	Acceptable	5/9/07	82B	V-682B	Acceptable	5/8/07
35	V-635	Acceptable	5/18/07	71	V-671	Acceptable	5/14/07	82C	V-682B	Acceptable	- 5/8/07
45	V-645	Acceptable	5/19/07	76A	V-676A	Acceptable	5/21/07	83B	V-683	Acceptable	5/14/07
51B	V-651B	Acceptable	5/12/07	76B	V-676B	Acceptable	5/15/07				
56	V-656	Acceptable	5/12/07	52E	V-678	Acceptable	5/8/07				

SECTION G

PRESERVICE INSPECTION ITEMS

Pacific Gas and Electric Company

DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85

THIRD INTERVAL, FIRST PERIOD, FIRST REFUELING OUTAGE REPORT (1R14) MAJOR ITEM: PSI

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

PAGE 1 of 1

The required preservice inspections were performed on 5 components and 12 supports during the fourteenth refueling outage.

CATEGORY	Name of Component	System	Exam Type	Work Order No.	Other Ident. Line No
B-G-1					
	RCP 1-2 Case Hydraulic Nut	7	VT-1	CO210949-02	RCP 1-2
B-G-2					
	RCS-1-RV-8010A	7	VT-1	R0282969	729
	RCS-1-RV-8010B	7	VT-1	R0282901	728
	RCS-1-RV-8010C	7	VT-1	R0282906	727
	RPV Head Pen-76 CETNA	· 7	VT-1	C0211487	RV1
F-A					
	1049-4SL	3	VT-3	C0205901	556
	1049-1SL	3	VT-3	C0205899	557
	1033-1SL	4	VT-3	C0206529	226
	11-91SL	4	VT-3	C0211198	593
	73-144	8	VT-3	C0195432	1466
	CCP 1-3	. 8	VT-3	C0195440	CCP3
	CCP 1-3	8	VT-3	C0196060	, CCP3
	10-25SL	9	VT-3	C0206509	235
	12-70SL	9	VT-3	C0206514	1976
	4-45SL	10	VT-3	C0206505	930
	15-118SL	10	VT-3	C0206523	2458
	16-55SL	14	VT-3	C0206524	321

SECTION H

AUGMENTED EXAMINATIONS

Pacific	Gas and Electric Co	mpany	DIABLO CANYON POWER PLANT - UNIT 1 SERVICE DATE: 05/07/85				
THIRE) INTERVAL, FIRST	T PERIOD, FIRST R	EFUELING OUTAGE	REPORT	(1R14)	MAJOR ITEM: AUGMENTED	EXAMINATIONS
CONT	AINMENT EXAMS						
	<u> </u>					PAGE 1 of 1	
CATEO ITEM	GORY DESCRIPTION	COMPONENT / LINE	WELD OR COMPONENT NO.	EXAM TYPE	EXAM DATE	COMMENTS	RESULTS
Augmen	nted					<u></u>	
-	RC Pump 1-1 Flywheel	RC Pump 1-1 Flywheel	Flywheel Inner Half Radius	UT	5-7-07		NRI

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SECTION I

REPAIRS AND REPLACEMENTS

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

	er Pacific Gas and Electric Company 77 Beale Street, San Francisco, CA 94106								Date Ju neet I	June 30, 200
2. Plant		o Canyon Power							Jnit	1
	P.O. E	Box 56, Avila Bea	ach, CA 93424	·····		······································				
3. Worl	k Performed	l by	Owner	· <u> </u>						
	See Above Repair Org. P							Repair Org. P.O	No., Job N	lo., etc.
4. Ident	tification of	System		Feedwater	System (03)					
5. (a) A	(a) Applicable Construction Code (See Work Order) 19 Edition Addenda, Code Cases					es		N/A		
(b) Applicable Edition of Section				2001- 03	la, Code Case	se N/A				
6. Iden	tification of	components.								
	ame of mponent	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)
	/-1-535	Kerotest Corp	ASN2-5	N/A	C0206640	Line-555	N/A	Replaced (1)		N/A
Lin	ne-556	PGE	N/A	N/A	C0205385	Line-556	N/A	Replaced (2)		No
		+	<u> </u>							
					ļ					
	cription of W		Replaced Valve; (2			· · · · · · · · · · · · · · · · · · ·		empt	Other	
8. Tests	s Conducted e <u>1005</u>	: Hydrostatic PSIG To	······································	imatic	Nominal Op	mporary Support		empt	Other	
8. Tests Pressure 9. Rem I certify	s Conducted e <u>1005</u> arks that the stat ode Symbol	: Hydrostatic PSIG To Pressure and t	c Pneu est Temp. 545 emperature shown CE he report are corre	The second secon	Nominal Operation Nominal Operation Nominal Operation No.	Derating Pressure	of the A Expira		Other ection X	
8. Tests Pressure 9. Rem 9. Rem 1 certify Type Co	s Conducted e <u>1005</u> arks that the stat	: Hydrostatic PSIG To Pressure and t Pressure and t tements made in t Stamp <u>N/A</u>	c Pneu est Temp. 545 emperature shown CE he report are corre Certifica Gary Clos	CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CCTAT	Nominal Operator Nominal Operator E OF COMPL Dis comforms to Vization No.	Derating Pressure LANCE the requirements N/A Engineering I (Title)	of the A Expira Manager	SME Code, S	Other ection X	107
8. Tests Pressure 9. Rem I certify Type Co (Owner or I, the un State or	s Conducted e 1005 arks that the stat ode Symbol Signed r Owner'sDesig dersigned, h Province of	: Hydrostatic PSIG To Pressure and t rements made in t Stamp <u>N/A</u> gnee)	c Pneu est Temp. 545 emperature shown CE he report are corre Certifica Gary Clos Clos Clos mmission issued to ornia, And	ERTIFICAT SECTIFICAT and that the sector of Author COLV P Sector of Author COLV P Sector of Author COLV P Sector of Author Sector of Author Secto	Nominal Operation Nominal Operation No.	Engineering Pressure IANCE the requirements N/A Engineering I (Title) TION ler and Pressure V HSB-CT	of the A Expira Manager	SME Code, S tion Date	Other ection X N/A $\sqrt[q]{/4}$ (Date: 10 - 10 - 10 - 10 - 10 - 10 - 10 - 10	107
8. Tests Pressure 9. Rem I certify Type Co (Owner or I, the un State or have ins	s Conducted e 1005 arks that the stat ode Symbol Signed r Owner'sDesig ndersigned, H Province of spected the c	: Hydrostatic PSIG To Pressure and t rements made in t Stamp N/A gnee) nolding a valid co Califo components descr	c Pneu est Temp. 545 emperature shown CE he report are correct Certifica Gary Clos Cl mmission issued to ornia, And ibed in this Owner	ERTIFICAT See ERTIFICAT See ERTIFICAT See ERTIFICAT Sec Sec Sec Sec Sec Sec Sec Sec	Nominal Operation Nominal Operation No. E OF COMPLIANT STREET ST	Derating Pressure Derating Pressure IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04 , 20	of the A Expira Manager Vessel In of 006	SME Code, S tion Date spectors and t <u>Hartford, C</u> 6/	Other ection X N/A § //(Dr he 2T 30 , 2	407 te) 2007
8. Tests Pressure 9. Rem I certify Type Co (Owner or I, the un State or have ins and state	s Conducted e <u>1005</u> arks arks that the stat ode Symbol Signed r Owner'sDesig adersigned, h Province of spected the c e that to the	: Hydrostatic PSIG To Pressure and t Pressure and t tements made in t Stamp N/A gnee) nolding a valid co Califo components descr best of my knowl	c Pneu est Temp. 545 emperature shown CE he report are correct Certifica Gary Clos Commission issued to Drnia, And ibed in this Owner ledge and belief, th	ERTIFICAT et and that the control of Authon control of Authon cont	Nominal Operative Nominal Operative Note:	LANCE the requirements N/A Engineering I (Title) TION ler and Pressure V HSB-CT 1/04 , 20 minations and tak	of the A Expira Manager Vessel In of 006	SME Code, S tion Date spectors and t to6/ ctive measure	Other ection X N/A § /14 (Da he CT 30, 7 s describ	2007 ed in the
8. Tests Pressure 9. Rem I certify Type Co (Owner or I, the un State or have ins and state Owner's employe Furtherr	s Conducted e <u>1005</u> arks arks that the stat ode Symbol Signed r Owner'sDesig ndersigned, H Province of spected the c e that to the s Report in a er makes any more, neither sing from or	: Hydrostatic PSIG To Pressure and t Pressure and t tements made in t Stamp N/A gnee) nolding a valid co Califo components descr best of my knowl accordance with t y warranty, expres	c Pneu est Temp. 545 emperature shown CE he report are corre Certifica Gary Clos Clos mmission issued to ornia, And ibed in this Owner ledge and belief, th he requirements of ssed or implied, co or his employer sha	ERTIFICAT CRTIFICAT ECRTIFICAT ECRTIFICAT ECRTIFICAT ECRTIFICAT ECRTIFICAT Sec ECRTIFICAT SEC ECRTIFICAT SECRTIFICAT SECRTIFICAT	Nominal Op eam'. E OF COMPL his comforms to vization No. Clue TE OF INSPEC hal Board of Boil y ring the period s performed exan Code, Section X e examinations a	Derating Pressure Derating Pressure IANCE the requirements N/A Engineering I (Title) TION ler and Pressure V HSB-CT 1/04 , 20 minations and tak I. By signing thi and corrective means r any personal in Com	of the A Expira Manager Vessel In of 006 cen corre s certifica asures de jury or pu	SME Code, S tion Date spectors and t <u>Hartford, C</u> to ctive measure ate, neither th escribed in this	Other Other ection X N/A Y/4 (Da he CT 30 , 7 s describ e Inspect s Owner g or loss B 9990 4	2007 ed in the or nor his s Report. of any

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

	Pacific Gas and Electric Company 77 Beale Street, San Francisco, CA 94106										
									eet <u>1</u>	of	
2. Plant		Canyon Powe						. U	nit	1	
		P.O. Box 56, Avila Beach, CA 93424									
3. Work Performed by			Owner See Above Repair Org. P.O. No., Job No., etc.								
		_	See Abov	/e		· <u> </u>		icepan org. 1.0.	NO., JOU	vo., c.c.	
4. Identific	ation of S	System	Turbi	ne Steam S	upply System (04)	-				
5. (a) Appl	icable Co	onstruction Code	e (See Work O	rder) 19	Edition	Addenda, (Code Cas	ses		N/A	
			on XI Utilized for Repairs or Replacements -			1989, No Addenda, Code Case				N/A	
6. Identific	ation of o	components.									
Name Compon		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-1-R	V-12	Dresser	BM07858	N/A	C0199509	Line-1065	N/A	Replaced (1) (2)		Yes	
MS-1-FC	CV-44	Schutte and Koerting Co	N690549	N/A	R0194577	Line-225	N/A	Replaced (3)		No	
22-336	5SL	Pacific Scientific	7826	Ņ/A	C0194742	Line-1020	N/A	Replaced (7)		No	
10-965	SL	Pacific Scientific	6853	N/A	C0200327	Line-3915	N/A	Replaced (7)		Yes	
7. Descript	ion of W	ork(1)	Replaced Valve; (2)Replaced Ir	let Bolting; (3)	Replaced Internal	s; (7) Re	placed Snubbe	r		
8. Tests Co	nduatad	Hydrostati	c 🗍 Pneu	matic	Nominal On	berating Pressure		empt	Other	••••	
	1005	2	Sest Temp. 545	°F	-	ssure Test Condu				<u></u>	
- 9. Remarks			temperature shown								
				15 11111 Oct		·····					
			CE	RTIFICAT	E OF COMPL	IANCE		· · · · · · · · · · · · · · · · · · ·			
			the report are corre			-		•		Г	
	gned	Stamp <u>N/</u>		te of Author R	-ization No	N/A Engineering I		tion Date	N/A	07	
Type Code		nee)	Gary Clos		·	(Title)				ate)	
					TE OF INSPEC		laccal In	creators and th			
Sig (Owner or Own		olding a valid o	mmission issued h					speciols and it			
Sig (Owner or Own I, the unders	signed, h		ommission issued b ornia. And	•			of	Hartford, C	1		
Sin (Owner or Own I, the unders State or Pro	signed, h	Calif		employed by	у	HSB-CT		Hartford, C to 6/3		2007 ,	
Sig (Owner or Own I, the unders State or Pro have inspect and state that	signed, h ovince of ted the c at to the l	Calif omponents desc best of my know	ornia, And ribed in this Owner rledge and belief, th	employed by 's Report du	y ring the period s performed exa	HSB-CT 1/04 , 20 minations and tak	of 006 en corre	to 6/3 ctive measures	0 , descril	bed in the	
Sig (Owner or Own I, the unders State or Pro have inspec and state that Owner's Re	signed, h ovince of ted the c at to the l eport in a	Calif omponents desc best of my know ccordance with	ornia, And ribed in this Owner rledge and belief, the the requirements of	employed by 's Report du ne Owner has the ASME	y ring the period s performed exa Code, Section X	HSB-CT 1/04, 20 minations and tak (I. By signing thi	of 006 en corre	to6/3 ctive measures ate, neither the	0 , descril Inspec	bed in the tor nor his	
Sig (Owner or Own I, the unders State or Pro have inspec and state tha Owner's Re employer m Furthermore	signed, h ovince of ted the c at to the l eport in a nakes any e, neither	Calif omponents desc best of my know ccordance with warranty, expre- the Inspector no	ornia, And ribed in this Owner eledge and belief, th the requirements of essed or implied, co or his employer sha	employed by 's Report du the Owner has the ASME (oncerning the	y ring the period s performed exa Code, Section X e examinations a	HSB-CT 1/04 , 20 minations and tak (I. By signing this and corrective means	of 006 en corre s certific asures de	to <u>6/3</u> ctive measures ate, neither the escribed in this	0, descril Inspec Owner	bed in the tor nor his 's Report.	
Sig (Owner or Own I, the unders State or Pro have inspec and state tha Owner's Re employer m Furthermore	signed, h ovince of ted the c at to the l eport in a nakes any e, neither	Calif omponents desc best of my know ccordance with warranty, expre- the Inspector no connected with	ornia, And ribed in this Owner redge and belief, the the requirements of essed or implied, co or his employer sha this inspection.	employed by 's Report du the Owner has Sthe ASME (oncerning the ill be liable i	y ring the period s performed exa Code, Section X e examinations a n any manner fo	HSB-CT <u>1/04</u> , 20 minations and tak (I. By signing thi and corrective me or any personal in	of en corre s certific asures de ury or p	to 6/3 ctive measures ate, neither the escribed in this roperty damag	0, descril Inspec Owner e or los	bed in the tor nor his 's Report. s of any	
Sig (Owner or Own I, the unders State or Pro have inspec and state tha Owner's Re employer m Furthermore	signed, h ovince of ted the c at to the l eport in a nakes any e, neither	Calif omponents descr best of my know ccordance with warranty, expre- the Inspector ne connected with	ornia, And ribed in this Owner eledge and belief, th the requirements of essed or implied, co or his employer sha	employed by 's Report du the Owner has the ASME (oncerning the all be liable i	y ring the period s performed exa Code, Section X e examinations a	$\frac{\text{HSB-CT}}{1/04}, 20$ minations and tak (I. By signing thi and corrective me or any personal in	of en corre s certific asures de ury or p	to <u>6/3</u> ctive measures ate, neither the escribed in this	0, descril Inspec Owner e or los	bed in the tor nor his 's Report. s of any A.N.I.C	

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. Owner Pacific	Gas and Electric le Street, San Fra		106				,	Date Sheet	June 2	30, 2007 of 2
	**		100	<u></u>			`			
	Canyon Power P ox 56, Avila Beac							Unit		
. Work Performed	by	Owner				 			ah Ma	
	·	See Above	•			Re	pair Org. 1	U. NO., J	00 NO.,	etc.
Identification of the second sec	System	Turbine St	eam Supp	oly System (0	4)					
. (a) Applicable Co	onstruction Code	See Work C)rder 19	Edition	n Add	enda, Co	de Cases		N/	A
(b) Applicable E	dition of Section 2	XI Utilized for F	Repairs or	Replacements		03	Addenda	ı, Code (Case	N/A
5. Identification of o	components.				` .					
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Remo	ected, ved, or alled	Pressure Test	ASME Code Stamped (Yes or No
MS-1-5398	Velan	901105-10	N/A	C0206099	K15-1.5"	N/A	Repace	d (1) (5)		Yes
MS-1-FCV-42	Schutte and Koerting Co.	N690546	N/A	C0211232	Line-226	N/A	Repla	ced (6)		No
MS-1-PCV-22	Copes-Vulcan	6910.95009	N/A	C0211346	Line-225	N/A	Repla	ced (6)		No
MS-1-5399	Velan	901105-8	N/A	C0203185	N/A	N/A	Repla	ced(1)	\square	Yes
MS-1-PCV-22	Copes-Vulcan	6910.95009	N/A	C0205273	Line-225	N/A	Repla	ced (3)		No
MS-1-RV-223	Dresser	BM-07867	N/A	C0205299	Line-227	N/A	Replac	ed(2)(4)		No
MS-1-RV-4	Dresser	BM-07854	N/A	C0205308	Line-228	N/A	Replac	ed(2)(4)		No
1033-1SL	Pacific Scientific	1742	N/A	C0206529	Line-226	N/A	Repla	ced (7)		Yes
11-91SL	Pacific Scientific	7846	N/A	C0211198	Line-593	N/A	Repla	ced (7)		No
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<u>،</u>					••••••••••••••••••••••••••••••••••••••					
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7. Remarks

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(1)Replaced Valve; (2)Replaced Inlet Bolting; (3)Replaced Internals; (4)Replaced Spacer; (5)Replaced Piping; (6)Replaced Bonnet Bolting; (7) Replaced Snubber

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1. Owner	Pacific	Gas and Elect	ric Company				<u> </u>	Date Ju	ne 30,	2007
			Francisco, CA 941	06				Sheet 1		of 2
2. Plant	Diablo	Canyon Power	r Plant					Unit	1	
_	P.O. B	ox 56, Avila Be	ach, CA 93424							
3. Work Perf	formed	by	Owner							
			See Abov	e			R	epair Org. P.O. No	, Job N	o., etc.
4. Identificat	tion of S	System	Re	actor Coola	int System (07))	-			
		onstruction Code	e <u>(See Work O</u> A XI Utilized for Re		Edition	Addenda, • 1989, No		es a, Code Case		N/A
 6. Identificat 			TXI Offized for Re				Addenda	a, coue case		
Name of Componen		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 1-2	2	Westinghouse	9-114E911G05	N/A	C0196993	N/A	N/A	Replaced(1)(2)		No
RCS-0-RV-	8010	Crosby Valve	U2A	N/A	R0263732	Stock	N/A	Replaced (6)		Yes
10-1285	L	Pacific Scientific	\$ 23090	N/A	C0194779	Line-14	N/A	Replaced (7)		No
10-13SI	L.	Pacific Scientific	9834	N/A	C0197234	Line-16	N/A	Replaced (8)(9)		No
7. Descriptio	on of We		Replaced Internals; Replaced Snubber;		•					
8. Tests Con Pressure	ducted:	-	c Pneu Prest Temp.	matic 🗌 °F 🗍	-	berating Pressure ssure Test Condu		· —	Other	-416-1
9. Remarks					1707 0000110				450 11	110 1
		·	······································							
I certify that t Type Code S Sigr	ymbol S		the report are corre				Expirat		ion XI V/A	
(Owner or Owne		nee)	Gary Clos	e O		(Title			(Da	
I, the undersig	gned, h	olding a valid co	ommission issued b	y the Nation		ler and Pressure		-		
State or Provi				employed by		HSB-CT	of	Hartford, CT	— <u>—</u>	007
			ribed in this Owner rledge and belief, th				006	to <u>6/30</u>		$\frac{2007}{1000}$,
			the requirements of							
employer mal Furthermore,	kes any neither	warranty, expre the Inspector no connected with	essed or implied, co or his employer sha this inspection.	ncerning the ll be liable in	e examinations a	and corrective me or any personal in	asures des jury or pr	scribed in this O operty damage c	wner': r loss	s Report. of any
		Jen.	Inspe		113/07	***		CA 1828 - NB 9		
Note: Supple		sheets in the for	(Tit rm of lists, sketches on each sheet, and (:	, or drawing		provided (1) size	is 8 1/2 x		nation	in items 1

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1.	Owner Pacific (Gas and Electric Street, San Fra		106		· · · · · · · · · · · · · · · · · · ·			Date		30, 2007 of 2
•	·										
2.		Canyon Power P							Unit		1
	P.O. Bo	x 56, Avila Beac	h, CA 93424								
3.	Work Performed b	ру	Owner				_				
		<u> </u>	See Above	;			Re	epair Org.	P.O. No., J	ob 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 Ed	lition of Section 2	KI Utilized for F	Repairs or	Replacements	- 2001-	03_	Adden	da, Code (Case	N/A
6.	Identification of c	omponents.	· · ·								
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Ren	rrected, loved, or stalled	Pressure Test	ASME Code Stamped (Yes or No)
	RCP 1-2	Westinghouse	9-114E911G05	N/A	C0201155	N/A	N/A	Rep	laced (3)		No
	RCP 1-2	Westinghouse	9-114E911G05	N/A	C0210949	N/A	N/A	Rep	laced (4)		No
	SG 1-1	Westinghouse	1041	68-12	R0287619	SG11	1984	Rep	aired (5)		Yes
_	SG1-3	Westinghouse	1043	68-14	R0287620	SG13	1984	Rep	aired (5)		Yes
	SG 1-4	Westinghouse	1044	68-15	R0287621	SG14	1984	Rep	aired (5)		Yes
	SG 1-2	Westinghouse	1042	68-13	R0287622	SG12	1984	Rep	aired (5)		Yes
_											<u>_</u>
											<u> </u>
			· · · · · · · · · · · · · · · · · · ·					· · · · · · · · · · · · · · · · · · ·	<u></u>	ᆜᄆ	
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7. <u>Remarks</u> (3) Replaced Seal House Bolting; (4) Replaced 1 Flange Nut; (5) Plugged Tubes

·	FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT
	As Required by the Provisions of ASME Code Section XI
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	77 Bea	ale Street, San F	ric Company Francisco, CA 9	4106					Sheet	1 of 2
2. Plant		Canyon Power ox 56, Avila Be						J	Unit	1
2 M/ 1 D-										
3. Work Pe	riormed	by	Owner See Ab	ove				Repair Org. P.0	D. No., Job	No., etc.
4. Identifica	ation of S	System	Chemic	al and Volun	ne Control Sys	stem (08)				
		onstruction Code			Edition	Addenda				N/A
(b) Appl	icable Ed	dition of Section	XI Utilized for I	Repairs or Rep	placements -	1989, No	Adde	nda, Code Cas	e	N-416-1
6. Identifica	ation of c	components.								
Name o Compon	-	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected, Removed, or Installed	Test	ASME Code Stamped (Yes or No)
CCP 1	-2	Pacific Pumps	49187	N/A	C0182573	CCP2	N/A	Replaced (1)		No
CVCS-1-8	3356B	Anchor Darling	ET315-1-5	N/A	C0198712	Line-59/1480	N/A	Replaced (4)(5	5) 🛛	No
PDP 1	-3	Union Pump	274173	N/A	R0178767	PDP1	N/A	Replaced (11)		No
22-512	SL	Anchor Darling	919	N/A	C0194762	Line-58	N/A	Replaced (12)		No
7. Descripti	ion of W		Replaced Mecha) Replaced Valv			d Valve; (5) Rep	laced Pij	oing;		
1		(1)	.,					Zurament 🔲		
8. Tests Co	nducted:	Hydrostati	c 🗌 Pno est Temp. <u>N/R</u>	eumatic 🗌 °F 🖂		Operating Pressur ressure Test Cond			Other de Case	N-416-1
8. Tests Co Pressure 9. Remarks	***	Hydrostati PSIG T *** R017876	est Temp. <u>N/R</u> 57, 2500 psig; C	°F 🛛 0198712, Sea	1989 Code P Water Inj retu	ressure Test Cond arn inservice; C0	lucted at	NOP IAW Co	-	N-416-1
8. Tests Co Pressure _	***	Hydrostati PSIG T *** R017876	est Temp. <u>N/R</u> 57, 2500 psig; C(11 & C0195552,	●F ⊠ 0198712, Seal 2500 psig; C	1989 Code P Water Inj retu 0206690, 104	ressure Test Cond arn inservice; C0 psig	lucted at	NOP IAW Co	-	N-416-1
 8. Tests Co Pressure 9. Remarks I certify that Type Code 3 	*** t the state Symbol S	Hydrostati PSIG T *** R017876 C019544 ements made in	est Temp. <u>N/R</u> 57, 2500 psig; C0 41 & C0195552, C0 the report are con	•F 🛛 0198712, Sea 2500 psig; C CERTIFICAT	1989 Code P Water Inj retu 0206690, 104 FE OF COMP this comforms	ressure Test Cond arn inservice; C0 psig LIANCE to the requiremen N/A	lucted at 195440, tts of the Exp	NOP IAW Co 2600 psig; ASME Code, iration Date	de Case	
 8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig 	t the state symbol s	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/4	est Temp. N/R 57, 2500 psig; Compared to the compared to	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author	1989 Code P Water Inj retu 0206690, 104 FE OF COMP this comforms	ressure Test Cond rm inservice; C0 psig LIANCE to the requiremen <u>N/A</u> Engineerin	lucted at 195440, its of the Exp g Manag	NOP IAW Co 2600 psig; ASME Code, iration Date	de Case Section N/A	XI ۲۰
8. Tests Co Pressure 9. Remarks J certify that Type Code S Sig (Owner or Own	*** t the state Symbol S gned ner'sDesig	Hydrostati PSIG T *** R017876 C019544 ements made in StampN/4 nee)	est Temp. <u>N/R</u> 67, 2500 psig; Cu 11 & C0195552, the report are con A Gary C	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author tose CERTIFICA	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms prization No. TE OF INSPI	ressure Test Cond arn inservice; C0 psig LIANCE to the requiremen N/A Engineerin (Tig ECTION	lucted at 195440, its of the Exp g Manag le)	NOP IAW Co 2600 psig; ASME Code, iration Date er	de Case Section N/A S/14/	xı
8. Tests Co Pressure 9. Remarks J. Certify that Type Code S Sig (Owner or Own I, the unders	*** t the state Symbol S gned ner'sDesig	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/A nee) olding a valid co	est Temp. <u>N/R</u> 57, 2500 psig; Co 11 & C0195552, the report are con A gertifi Gary C commission issued	•F 0198712, Seal 2500 psig; C ERTIFICAT rect and that the icate of Author to se CERTIFICA by the Nation	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B	ressure Test Cond rm inservice; C0 psig LIANCE to the requirement N/A Engineerin (Tid ECTION oiler and Pressure	lucted at 195440, its of the Exp g Manag le) e Vessel	NOP IAW Co 2600 psig; ASME Code, ration Date er Inspectors and	de Case Section N/A Solution	XI ۲۰
8. Tests Co Pressure 9. Remarks 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro	*** t the state Symbol S gned ner'sDesig signed, h vince of	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/4 nee) olding a valid co Calif	est Temp. <u>N/R</u> 57, 2500 psig; Co 41 & C0195552, Conthe report are con A Gertifi Gary Commission issued formia, Ar	•F 0198712, Seal 2500 psig; C ERTIFICAT rect and that the icate of Author Kose CERTIFICA by the Nation ad employed b	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B	ressure Test Cond rm inservice; C0 psig LIANCE to the requirement N/A Engineerin (Tin ECTION oiler and Pressure HSB-CT	lucted at 195440, its of the Exp g Manag le)	NOP IAW Co 2600 psig; ASME Code, iration Date er Inspectors and f <u>Hartford</u> ,	de Case Section N/A Solution	XI ۲۰
8. Tests Co Pressure 9. Remarks J certify that Type Code S Sig (Owner or Own I, the unders State or Pro- have inspect and state tha	t the state Symbol S gned ner'sDesig signed, h vince of ted the co at to the l	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/4 nee) olding a valid co Calif omponents descr best of my know	est Temp. <u>N/R</u> 57, 2500 psig; <u>C0</u> 11 & C0195552, the report are con A Gary C commission issued ornia, Ar ribed in this Own ledge and belief,	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author CERTIFICA to se CERTIFICA by the Nation ad employed the ther's Report do the Owner has	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B by uring the perio as performed ex	ressure Test Cond rm inservice; C0 psig LIANCE to the requiremen <u>N/A</u> Engineerin (Tin ECTION oiler and Pressure HSB-CT_ d 1/04 xaminations and t	lucted at 195440, its of the Exp g Manag le) e Vessel 0 , 2006 aken con	NOP IAW Co 2600 psig; ASME Code, iration Date er Inspectors and f <u>Hartford,</u> to rective measur	de Case Section I N/A X IY (1 the CT 6/30 es descr	XI <u>27</u> Date) , 2007 bed in the
8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro have inspect and state tha Owner's Re	*** t the state Symbol S gned ner'sDesig signed, h vince of ted the co at to the l sport in a	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/4 nee) olding a valid co Calif omponents descr best of my know ccordance with t	est Temp. <u>N/R</u> 57, 2500 psig; <u>C0</u> 51 & C0195552, The report are con A gertific Gary C commission issued formia, Ar ribed in this Own ledge and belief, the requirements	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author CERTIFICA to by the Nation ad employed the the Owner has of the ASME	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B by uring the perio as performed ex Code, Section	ressure Test Cond rm inservice; C0 psig PLIANCE to the requirement N/A Engineering (Time ECTION oiler and Pressure HSB-CT d 1/04 xaminations and to XI. By signing to	lucted at 195440, its of the Exp g Manag le) e Vessel 	NOP IAW Co 2600 psig; ASME Code, iration Date er Inspectors and f <u>Hartford,</u> to rective measur ficate, neither t	de Case Section I N/A X IY (1 the CT 6/30 es descr he Inspe	XI Date) , 2007 bed in the ctor nor his
8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro have inspect and state tha Owner's Re employer m	t the state Symbol S gned ner'sDesigned, h vince of ted the co at to the l port in a akes any	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/A nee) olding a valid co Calif omponents descu best of my know ccordance with to warranty, exprese	est Temp. <u>N/R</u> 57, 2500 psig; <u>C</u> 11 & C0195552, the report are con A gertific Gary C commission issued ornia, Ar ribed in this Own ledge and belief, the requirements ssed or implied,	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author CERTIFICA by the Nation d employed the the Owner has of the ASME concerning the	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B by uring the perio as performed e: Code, Section e examination	ressure Test Cond rm inservice; C0 psig LIANCE to the requirement N/A Engineerin (Tit ECTION oiler and Pressure HSB-CT d 1/04 xaminations and to XI. By signing to s and corrective m	lucted at 195440, its of the Exp g Manag le) e Vessel 0 , 2006 aken con his certi- neasures	NOP IAW Co 2600 psig; ASME Code, ration Date er Inspectors and f <u>Hartford,</u> to <u>to</u> rective measur ficate, neither t described in th	de Case Section T N/A Siy (1 the CT 6/30 es descr he Inspe is Owne	XI 2007 bed in the ctor nor his r's Report.
8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro have inspect and state tha Owner's Re employer m Furthermore	t the state Symbol S gned ner'sDesigned, h vince of ted the co at to the l eport in a akes any e, neither	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/A nee) olding a valid co Calif omponents descu best of my know ccordance with to warranty, exprese	est Temp. <u>N/R</u> 57, 2500 psig; Cu 11 & C0195552, the report are con Gary C ommission issued ornia, Ar ribed in this Own ledge and belief, the requirements ssed or implied, or his employer s	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author CERTIFICA by the Nation d employed the the Owner has of the ASME concerning the	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B by uring the perior as performed ex Code, Section e examinations in any manner	ressure Test Cond rm inservice; C0 psig LIANCE to the requirement N/A Engineerin (Tin ECTION oiler and Pressure HSB-CT d 1/04 xaminations and to XI. By signing to s and corrective m for any personal	lucted at 195440, its of the Exp g Manag le) e Vessel 0 , 2006 aken con his certi- neasures	NOP IAW Co 2600 psig; ASME Code, ration Date er Inspectors and f <u>Hartford,</u> to <u>to</u> rective measur ficate, neither t described in th	de Case Section T N/A Siy (1 the CT 6/30 es descr he Inspe is Owne	XI 2007 bed in the ctor nor his r's Report.
8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro have inspect and state tha Owner's Re employer m Furthermore	t the state Symbol S gned ner'sDesig signed, h vince of ted the co at to the l sport in a akes any e, neither yor conn	Hydrostati PSIG T *** R017876 C019544 ements made in Stamp N/A nee) olding a valid co Calif omponents descr best of my know cordance with to warranty, expre- the Inspector no	est Temp. <u>N/R</u> 57, 2500 psig; CO 11 & C0195552, The report are con A gertific Gary C commission issued formia, Ar ribed in this Own ledge and belief, the requirements essed or implied, or his employer s nspection. Inse	•F 0198712, Seal 2500 psig; C CERTIFICAT rect and that the icate of Author CERTIFICA by the Nation d employed the the Owner has of the ASME concerning the	1989 Code P Water Inj retu 0206690, 104 TE OF COMP this comforms orization No. TE OF INSPI nal Board of B by uring the perio as performed e: Code, Section e examination	ressure Test Cond rm inservice; C0 psig LIANCE to the requirement N/A Engineerin (Tin ECTION oiler and Pressure HSB-CT d 1/04 xaminations and to XI. By signing to s and corrective m for any personal	lucted at 195440, its of the Exp g Manag le) e Vessel 0 , 2006 aken con his certi neasures injury or Commissi	NOP IAW Co 2600 psig; ASME Code, ration Date er Inspectors and f <u>Hartford,</u> to <u>to</u> rective measur ficate, neither t described in th	de Case Section A N/A Siy (1) the CT 6/30 es descr he Inspe is Owne nge or los NB 9990	XI , 2007 bed in the ctor nor his r's Report. ss of any kind A.N.I.C

		Gas and Electric	ic Company rancisco, CA 94106			······		Date Sheet	June 2	30, 2007 of 2
									2	_ of _2
		Canyon Power						Unit		1
_	Р.О. Во	k 56, Avila Bea	CN, CA 93424							
3. Work Per	formed b	у	Owner							
			See Above				Rep	pair Org. P.O. No., J	ob No., (etc.
4. Identificat	tion of S	ystem	Chemical and	Volume Co	ontrol System ((08)				
5. (a) Applic	cable Co	nstruction Code	See Work Or	der 19	Edition	Adde	nda, Cod	le Cases	N/A	A.
(b) Applie	cable Ed	ition of Section	XI Utilized for Repa	airs or Rep	lacements -	2001- 03	Add	denda, Code Case	e	N/A
6. Identificat	tion of c	omponents.								
Name of Compone		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)
CCP 1-2	2	Pacific Pumps	49187	N/A	C0200712	CCP2	N/A	Replaced (7)		No
CCP 1-3	3	Flowserve Corp.	05RLCA02489010 01	N/A	C0195440	CCP3	2007	Replaced (2)		No
RO-441	1	PG&E	N/A	N/A	C0195441	Line-47	2006	Replaced (3)		No
<u>RO-443</u>	3	PG&E	N/A	N/A	C0195552	Line-7067	2006	Replaced (3)	\boxtimes	No
CCP 1-3	3	Flowserve Corp.	05RLCA02489010 01	N/A	C0196060	CCP3	2007	Replaced (6)		No
CCP 1-3	3	Flowserve Corp.	05RLCA02489010 01	N/A	C0209928	ССР3	2007	Replaced (6)		No
CVCS-1-FCV	7-110A	Control Components Inc.	102993-010-1	N/A	C0206690	Line-736	2007	Replaced(8)		No
23-345F	R	PG&E	N/A	N/A	C0195247	Line-7066	N/A	Replaced (9)		No
23-3521		PG&E	N/A	N/A	C0195255	Line-7066	N/A	Replaced (9)		No
<u>23-357</u>		PG&E	N/A	N/A	C0195372	Line-7066	N/A	Replaced (9)		No
<u>23-358</u>		PG&E	N/A	N/A	C0195374	Line-7066	N/A	Replaced (9)		No
23-344		PG&E	N/A	N/A	C0195377	Line-7066	N/A	Replaced (9)	니므	No
23-348F		PG&E	N/A	N/A	C0195380	Line-7066	N/A	Replaced (9)	누무	No
288-152		PG&E	N/A	N/A	C0195388	Line-47	N/A	Replaced (9)		No
288-154		PG&E	N/A	N/A	C0195390	Line-47	N/A	Replaced (9)	무무	No
288-156		PG&E	N/A	N/A	C0195392 C0195391	Line-47	N/A	Replaced (9) Replaced (9)	누片	No
<u>288-155</u> 73-144		PG&E PG&E	N/A	N/A N/A	C0195391 C0195432	Line-44 Line-1466	N/A N/A	Replaced (10)	┼岩ᡰ	No No
		PG&E	N/A N/A	N/A N/A	C0195432	Line-44	N/A N/A	Replaced (10)	┼岩ᡰ	No
788_900		TOOLD	19/71	N/A	00175450	L/IIIC-44		1000000 (10)		UPI
288-80F		p <u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u><u></u></u>	NI/A	NI/A	C0206602	I ine-736	N/A	Replaced (10)		No
288-80F 99-108 99-440		PG&E PG&E	N/A N/A	N/A N/A	C0206693 C0206694	Line-736 Line-736	N/A N/A	Replaced (10) Replaced (10)	무망	No No

7. Remarks

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(2) Replaced Pump and associated piping/valves IAW DCN 049704;
 (3) Fabricated Orfice Plate (6) Modified Base Plate;
 (7) Modified Mech. Seal Gland Plate;
 (8) Replaced Valve;
 (9) Installed New Support;
 (10) Modified Support

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<u>.</u>										
1. Owner	Pacific	Gas and Elect	ric Company					Da	te Iun	ie 30, 2007
1. 0			Francisco, CA 94	106				She		of 2
2. Plant	Diablo	Canyon Power	Plant					Ur	it	1
	P.O. B	ox 56, Avila Bea	ach, CA 93424							
3. Work Pe	rformed	by	Owner			<u> </u>		. <u> </u>		
		_	See Abo	ve		<u> </u>		Repair Org. P.O. N	lo., Job Ni	o., etc.
4. Identifica	ation of S	System	S	afety Injectio	on System (09)		_			
5. (a) Appli	icable Co	onstruction Code	(See Work C	Order) 19	Edition	Addenda,	Code Cas	ses		N/A
(b) Appl	icable E	dition of Section	XI Utilized for Re	epairs or Rep	lacements -	1989, No	Addend	la, Code Case		N-416-1
6. Identifica	ation of o	components.								
Name o Compon		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-1-880	05B	Anchor Darling	6820-1-21	N/A	C0174232	Line-1988	Yes	Replaced (1)		Yes
Line-70	076	PG&E	N/A	N/A	C0197316	Line-7076	N/A	Replaced (2)		No
Line-70		PG&E	N/A	N/A	C0197316	Line-7077	N/A	Replaced (2)		No
74-41	R	PG&E Pacific	<u>N/A</u>	N/A	C0197317	Line-4296	N/A	Replaced (4)		No
22-296	SL	Scientific	25315	N/A	C0194741	Line-3858	N/A	Replaced (3)		No
56-25		PG&E	N/A	N/A	C0196820	Line-1991	N/A	Replaced (4)		No
<u>56-24</u> 288-15		PG&E PG&E	N/A N/A	N/A N/A	C0196821 C0197317	Line-1991 Line-7077	N/A N/A	Replaced (4) Replaced (5)		No No
 7. Descripti 8: Tests Co Pressure 		Hydrostati	Replaced Bonnet I Installed Support c	imatic 🗌	Nominal Op	ping; (3)Replace perating Pressure ssure Test Conduc	Ex	empt	 Other	
9. Remarks										
Type Code 2			the report are corre				Expira	SME Code, Sec tion Date	tion XI	
(Owner or Own		nee)	Gary Cló			(Title)			2 / / / / (Dat	e)
State or Pro-	vince of	Calif	ommission issued b ornia, And	by the Nation employed by	у	ler and Pressure HSB-CT	of	Hartford, C1	·	007
and state tha Owner's Re employer m Furthermore kind arising	at to the l port in a akes any e, neither from or	best of my know ccordance with t warranty, expre the Inspector no connected with D. Kim	Inspection (Ti	the Owner has f the ASME (oncerning the all be liable i ector tle)	s performed exa Code, Section X e examinations a n any manner for $\frac{8}{15}/\frac{37}{57}$ (Date)	minations and tal (I. By signing thi and corrective me or any personal in Con	s certific: asures de jury or pr nmissions (State or	ate, neither the escribed in this roperty damage CA 1828 - NB Province, Nation	describe Inspecto Owner's or loss 9990 A. al Board	or nor his s Report. of any .N.I.C d)
			m of lists, sketche n each sheet, and (

FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEMENT

As Required by the Provisions of ASME Code Section XI

Owne		Gas and Electric						Date		30, 2007
	77 Beal	le Street, San Fra	ancisco, CA 94	106				Sheet	2	of
Plant		Canyon Power P ox 56, Avila Beac		<u> </u>	· · · · · · · · · · · · · · · · · · ·			Unit		1
Work	Performed	by	Owner							
			See Above	<u>}</u>			R	epair Org. P.O. No.,	Job No.,	etc.
Identi	fication of	System	Safe	ty Injection	System (09)					
		onstruction Code	See Work C		Edition			de Cases		A
(b) Aj	pplicable E	dition of Section 2	XI Utilized for F	Repairs or Re	placements -	2001-	03	Addenda, Code	Case	<u>N/A</u>
Identi	fication of	components.								
	me of ponent	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 N
10-:	25SL	Pacific Scientific	14588	N/A	C0206509	Line-235	N/A	Replaced (3)		No
	70SL	Pacific Scientific	103	N/A	C0206514	Line-1976	N/A	Replaced (6)		Yes
	e-2749	PG&E	N/A	N/A	C0210710	RHR Sump	N/A	Replaced (7)		No
Line	e-2750	PG&E	N/A	N/A	C0210710	RHR Sump	N/A	Replaced (7)		No
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FORM NIS-2 OWNER'S REPORT OF REPAIR OR REPLACEME	NT
As Required by the Provisions of ASME Code Section XI	

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1. Owner		Gas and Elect	Francisco, CA 941	06					Date <u>Ju</u> Sheet l	ne 30, 2007 of 2
2. Plant		Canyon Power						··	Unit	 1
2. Fiant			ach, CA 93424			<u>, </u>				1
2 Work Do		- <u></u>	Owner							
3. Work Pe	riormeu		See Abov	·A				Repair Org. P.	Ö. No., Job 1	lo., etc.
				<u> </u>		·				
4. Identifica	ation of S	System	Residu	ual Heat Re	moval System	(10)	_			
5 (a) Appli	icable Co	onstruction Code	e (See Work O	rder) 19	Edition	Addenda, (ode Cas	205		N/A
			XI Utilized for Re					la, Code Cas	;e	N/A
		components.								
		components.								<u>.</u>
Name o Compon		Name of Manufacturer	Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Corrected Removed, Installed	or 5	ASME Code Stamped (Yes or No)
RHR-1-RV	/-8707	Crosby Valve	N7237-00-0001	N/A	C0199341	94-2513	N/A	Replaced (1)	No
-			Replaced Nozzle a							
8. Tests Co Pressure	nducted:	Hydrostati				perating Pressure		empt		
8. Tests Co Pressure	nducted:	Hydrostati	c 🗌 Pneur	matic 🗌		perating Pressure		empt		
8. Tests Co Pressure	nducted:	Hydrostati	c 🗌 Pneur	matic 🗌		perating Pressure		empt		
 Tests Co Pressure Remarks Remarks I certify that Type Code \$ 	nducted:	Hydrostati PSIG T	c Pneur Yest Temp. CE the report are corre	matic °F RTIFICAT	Nominal Op E OF COMPL nis comforms to	IANCE the requirements N/A	of the A Expira	SME Code, tion Date	Other Section X N/A	I
Type Code S	nducted:	Hydrostati PSIG T ements made in StampN/2	c Pneur 'est Temp 'est Temp CE the report are corre ACertifica Gary Clos	matic °F RTIFICAT ct and that the te of Author Curve e	Nominal Op E OF COMPL nis comforms to ization No.	IANCE the requirements N/A Engineering I (Title)	of the A Expira Manager	SME Code, tion Date	Other Section X	
8. Tests Co Pressure 9. Remarks 9. Re	nducted: the state Symbol S gned her'sDesign signed, he	Hydrostati PSIG T ements made in Stamp N/A nee) olding a valid co Calif	c Pneur est Temp CE the report are corre A Certifica Cary Clos CH commission issued b cornia, And	RTIFICAT ct and that the of Author CRTIFICAT e ERTIFICAT y the Nation employed b	Nominal Op E OF COMPL nis comforms to rization No. TE OF INSPEC al Board of Boi	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT	of the A Expira Manager Vessel In of	SME Code, tion Date spectors and Hartford,	Other Section X N/A $\frac{S}{t+1} = \frac{1}{2}$ (Data I the CT	
8. Tests Co Pressure 9. Remarks I certify that Type Code S Sig (Owner or Own I, the unders State or Pro- have inspect	nducted: the state Symbol S gned her'sDesign signed, he vince of ted the co	Hydrostati PSIG T ements made in Stamp N/2 nee) olding a valid co Calif omponents descr	c Pneur est Temp CE the report are corre ACertifica Certifica Gary Clos CH commission issued b cornia,And ribed in this Owner	matic °F RTIFICAT ct and that the of Author ct and that the of Author RTIFICAT ct and that the of Author ct and the o	Nominal Op E OF COMPL nis comforms to rization No. TE OF INSPEC al Board of Boi y ring the period	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04 , 20	of the A Expira Manager Vessel In of 006	SME Code, tion Date spectors and Hartford, to	Other Other Section X N/A S/t = 0 (Data I the CT 6/30, 5	ite)
8. Tests Co Pressure 9. Remarks 9. Remarks 9. Remarks 9. Remarks 9. Color 9. Color 9	nducted: the state Symbol S gned her'sDesign signed, he vince of ted the co at to the b	Hydrostati PSIG T PSIG T ements made in Stamp nee) olding a valid co Calif omponents descr oest of my know	c Pneur 'est Temp. 'est Temp. CE the report are corre ACertifica Gary Clos CH Commission issued b 'ornia,And ribed in this Owner vledge and belief, th	matic °F RTIFICAT ct and that the of Author ct and that the of Author ERTIFICAT y the Nation employed b 's Report du the Owner has	Nominal Op E OF COMPL nis comforms to ization No. TE OF INSPEC al Board of Boi y ring the period s performed exa	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04, 20 minations and tal	of the A Expira Manager Vessel In of 006 cen corre	SME Code, tion Date spectors and to ctive measure	Other Other Section X N/A S/14/07 (Dates describ	2007 ed in the
8. Tests Co Pressure 9. Remarks J certify that Type Code S Sig (Owner or Own I, the unders State or Pro- have inspect and state tha Owner's Re	nducted: the state Symbol S gned her'sDesign signed, he vince of ted the co to the b port in ac	Hydrostati PSIG T PSIG T ements made in Stamp nee) olding a valid co Calif omponents desc best of my know ccordance with	c Pneur 'est Temp. 'est Temp. CE the report are corre A Certifica Cary Clos CH Cornia, And ribed in this Owner /ledge and belief, the the requirements of	matic °F RTIFICAT ct and that the of Author ct and the of Author c	Nominal Op E OF COMPL nis comforms to ization No. TE OF INSPEC al Board of Boi y ring the period s performed exa Code, Section X	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04, 20 minations and tak (I. By signing thi	of the A Expira Manager Vessel In of 006 cen corre s certific	SME Code, tion Date spectors and Hartford, to(ctive measure ate, neither t	Other Other Section X N/A S/r//o- (Date) I the CT 6/30 , res describ the Inspect	2007 ed in the or nor his
8. Tests Co Pressure 9. Remarks J certify that Type Code S Sig (Owner or Own I, the unders State or Pro have inspect and state tha Owner's Re employer m Furthermore	nducted: the state Symbol S gned her'sDesign vince of ted the co to the b port in ac akes any c, neither	Hydrostati PSIG T PSIG T ements made in Stamp N/2 nee) olding a valid co Calif omponents descr best of my know ccordance with to warranty, express	c Pneur 'est Temp 'est Temp CE the report are corre ACertifica And CH commission issued b cornia,And ribed in this Owner vledge and belief, the the requirements of essed or implied, co or his employer sha this inspection.	matic °F °F RTIFICAT ct and that the te of Author CUEE e ERTIFICAT y the Nation employed b 's Report du the ASME o oncerning the ll be liable i	Nominal Op E OF COMPL nis comforms to ization No. TE OF INSPEC al Board of Boi y ring the period s performed exa Code, Section X e examinations a	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04, 20 minations and tak I. By signing thi and corrective me or any personal in	of the A Expira Manager Vessel In of 006 cen corre s certific asures de jury or p	SME Code, tion Date spectors and Hartford, to ctive measur ate, neither t escribed in th roperty dam.	Other Other Section X N/A S/ty/or (Date I the CT 6/30 , i res describ the Inspect his Owner age or loss	2007 ed in the or nor his s Report. of any
8. Tests Co Pressure 9. Remarks 9. Remarks 9. Remarks 1 certify that Type Code S Sig (Owner or Own I, the unders State or Pro- have inspect and state tha Owner's Re employer m Furthermore kind arising	nducted: the state Symbol S gned her'sDesign vince of ted the co at to the b port in ac akes any c, neither from or	Hydrostati PSIG T PSIG T ements made in Stamp N/A nee) olding a valid co Calif omponents descr best of my know cordance with to warranty, expre- the Inspector no connected with D. Kim	c Pneur 'est Temp 'est Temp CE the report are corre ACertifica CE Certifica Cary Cos CH commission issued b cornia, And ribed in this Owner vledge and belief, th the requirements of essed or implied, co or his employer sha	matic °F °F RTIFICAT ct and that th te of Author CLOCE e ERTIFICAT y the Nation employed b 's Report du the ASME oncerning the ill be liable i ctor le)	Nominal Op E OF COMPL ais comforms to ization No. TE OF INSPEC al Board of Boi y ring the period s performed exa Code, Section X e examinations a n any manner for 8/15/8	IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04, 20 minations and tak (I. By signing thi and corrective me or any personal in Con	of the A Expira Manager Vessel In of 006 cen corre s certific asures de jury or p missions (State or	SME Code, tion Date spectors and Hartford, to ctive measur ate, neither t escribed in the roperty dam CA 1828 - Province, Na	Other Other Section X N/A S/ty/or (Da I the CT 6/30 , res describ the Inspect his Owner age or loss NB 9990 / ational Boa	2007 ed in the or nor his s Report. of any A.N.I.C rd)

1.	Owner	Pacifi	c Gas and El	ectric Company		Date	June 3	30, 2007				
		77 Bea	ale Street, Sa	in Francisco, CA	94106				;	Sheet	2	of _2
2.	Plant		Canyon Pov				- <u></u>			Unit		1
		P.O. E	Sox 56, Avila	Beach, CA 93424		<u> </u>						
3.	Work P	erforme	d by _	Owner								<u></u>
			_	See Abo	ve	×		Re	pair Org.	2.O. No., J	ob No., e	tc.
4.	Identifie	cation of	f System –	Residua	Heat Rem	oval System (10)					
 (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 												
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 2001, 03 Adden									Addenda	i, Code (Jase	N/A
6.	Identific	cation of	components.									
	Name Compon		Name of Manufacture	r Manufacturer Serial No.	National Board No.	Work Order No.	Other Identification Line No	Year Built	Remo	rected, wed, or talled	Pressure Test	ASME Code Stamped (Yes or No)
	4-45S	L	Pacific Scientific	23084	N/A	C0206505	Line-930	N/A	Repla	iced (2)		Yes
	15-118	SL	Pacific Scientific	13627	N/A	C0206523	Line-2458	N/A	Replaced (2)			Yes
			·						<u> </u>			
			·			· · · · · · · · · · · · · · · · · · ·				<u> </u>	+=	
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7. Remarks (2) Replaced Snubber

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

					 -	·			• -	
1. Owner		Gas and Elect	ric Company Francisco, CA 941	106				Dat Shee		e 30, 2007 of 1
2. Plant	Diablo	Canyon Power	r Plant					 Un:	it	1
	4		ach, CA 93424			·····				
3. Work Pe	erformed	by	Owner							
			See Abov	/e			1	Repair Org. P.O. No	o., Job No	., etc.
4. Identific	ation of S	System	Con	tainment Sp	oray System (1	2)	-			
		nstruction Code	e <u>(See Work O</u> n XI Utilized for Re			Addenda, (2001- 03		es a, Code Case		N/A
.,		omponents.	TAT OUNZED for Re	pairs of Rep		03	Audend	a, Coue Case		
Name Compos		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)
58S-14	12R	PG&E	N/A	N/A	R0221534	Line-264	N/A	Replaced (1)		No
						· · · · · · · · · · · · · · · · · · ·				
						<u> </u>				-
 7. Descript 8. Tests Co Pressure 9. Remarks 	onducted:	Hydrostati	Replaced Support ic Pneu icst Temp.	····	Nominal Op	perating Pressure	Ex.	empt 🗌 C)ther	
			. <u></u>	· ·		<u> </u>				
Type Code	Symbol S gned	Stamp <u>N/2</u>	the report are corre ACertifica Gary Clos	t and that the of Author		the requirements N/A Engineering I (Title)	Expira Manager		tion XI N/A S/14 (Date	07
I, the under State or Pro			ommission issued b		al Board of Boi	iler and Pressure V	•	-		
			ribed in this Owner			HSB-CT 1/04 , 20	of 006	Hartford, CT to 6/30	. 20	
and state the Owner's Re employer m Furthermore	at to the b eport in ac takes any e, neither	best of my know coordance with warranty, express	vledge and belief, th the requirements of essed or implied, co or his employer sha this inspection.	the Owner has the ASME (oncerning the ill be liable in	s performed exa Code, Section X e examinations a	minations and tak I. By signing thi and corrective me or any personal in	ten corre s certifica asures de jury or pi	ctive measures of ate, neither the I escribed in this C roperty damage	lescribe nspecto)wner's or loss (d in the r nor his Report. of any
	Kenny I	VKMn	Inspe (Tit		10/0			CA 1828 - NB Province, Nation		
	olemental	sheets in the for	rm of lists, sketches on each sheet, and (s, or drawing		provided (1) size i	is 8 1/2 x	11 in., (2) infor	mation	in items 1

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

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	fic Gas and Elect					<u> </u>			ie 30, 2007
		Francisco, CA 94	106	·····					of <u>1</u>
	lo Canyon Powe						Un	it	1
<u> </u>	Box 56, Avila Be	ach, CA 93424					·		
3. Work Performe	d by	Owner			,				
	_	See Aboy	/e				Repair Org. P.O. N	o., Job No)., etc.
4. Identification o	f System	Сотро	nent Coolin	g Water Syster	n (14)	_			
5. (a) Applicable	Construction Cod	e (See Work C	Order) 19	Edition	Addenda, (Code Cas	ses		N/A
(b) Applicable	Edition of Section	n XI Utilized for Re	pairs or Rep	lacements -	2001 03	Addend	la, Code Case		N/A
6. Identification o	f 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)
16-55SL	Pacific Scientific	13624	N/A	C0206524	Line-321	N/A	Replaced(1)		No
<u></u>	Scientific								
······································			<u></u>			1			<u> </u>
· · · · · · · · · · · · · · · · ·			1						1
7. Description of	Work (1)	Replaced Snubber							
•					· · · · · · · · · · · · · · · · ·		······································	• • •	
8. Tests Conducte	d: Hydrostat	ic 🗌 Pneu	matic	Nominal Or	perating Pressure	Ex	empt 🗌 (Other	
Pressure	•	ſest Temp.		•	2			_	
9. Remarks			•						
	· · · · · · · · · · · · · · · · · · ·								
· · · · · · · · · · · · · · · · · · ·									
		CF	RTIFICAT	E OF COMPL	JANCE				
I certify that the st	atements made in	the report are corre				of the A	SME Code, See	tion XI	
Type Code Symbo	l Stamp N/	A Qentifica	ate of Author	ization No.	N/A	Expira	tion Date	N/A	
Signed		<u>. Har</u>	y K Uns	<u> </u>	Engineering				07
(Owner or Owner'sDes	ignee)	Gary Clos		TE OF INSPEC	(Title))		l (Bat	e)
I the undersigned	holding a valid c	ommission issued b	-			Vessel In	spectors and the	•	
State or Province of			employed by		HSB-CT	of	Hartford, CT		
have inspected the	components desc	ribed in this Owner	's Report du	ring the period	1/04 , 20	006	to 6/30),2	007,
		vledge and belief, tl							
		the requirements of							
		essed or implied, co							
kind arising from		or his employer sha	in de nadie i		n any personar m	Jury or p	toperty damage	OF IOSS	of any
		line Inspection.	ector	8/15/0	7 Con	nmissions	CA 1828 - NB	9990 A	.N.I.C
Kenn	y D. Kim	(Ti		(Date)			Province, Nation		
		orm of lists, sketche on each sheet, and (provided (1) size	is 8 1/2 x	11 in., (2) info	rmation	in items 1

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

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1. Owner Pa	cific Gas and Elec	tric Company					Dat	e Jur	ne 30, 2007
77	Beale Street, San	Francisco, CA 94	106				She	et 1	of _1
2. Plant Dia	ablo Canyon Powe	er Plant					Un	it	1
P.(D. Box 56, Avila B	each, CA 93424							
3. Work Perform	ned by	Owner							
	-	See Abov	ve	1			Repair Org. P.O. N	o., Job N	o., etc.
4. Identification	of System	Co	ontainement	Structures (45)	-			
	e Construction Cod			Edition	Addenda, (-		N/A
(b) Applicabl	le Edition of Sectio	n XI Utilized for Re	epairs or Rep	lacements -	2001 03	Addenc	la, 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)
Penetration-60) Brand Utility Services, Inc	N/A	N/A	C0210115	MP60	N/A	Replaced (1)		No
Penetration-60	Brand Litility	N/A	N/A	C0210185	MP60	N/A	Replaced (1)		No
	I			L	, <u> </u>				
7. Description o	f Work (1) Modified Tempora	ary Flange						
8. Tests Conduc Pressure		tic Pneu Test Temp.	ımatic 🗌 _ °F	Nominal Op	perating Pressure	Ex	empt 🗌 (Other _	
9. Remarks				· · · · · · · · · · · · · · · · · · ·	· ··=				
	·		···· ·	·					
I contification that the				E OF COMPL			SMT Code See	tion VI	r
Type Code Syml		the report are corre A	ate of Author		N/A		tion Date	N/A	
Signed	· · · · · · · · · · · · · · · · · · ·	Dan	R Clu	_	Engineering	-	— <u> </u>	8/14	107
(Owner or Owner's	Designee)	Gary Clo			(Title))		(Da	te)
I the undersigne	d holding a valid	C. commission issued t		FE OF INSPEC		Vessel In	spectors and the		
State or Province			employed b		HSB-CT	of	Hartford, CT		
		cribed in this Owner				006	to 6/30		2007 ,
and state that to	the best of my know	wledge and belief, the	he Owner ha	s performed exa					
		the requirements of							
		ressed or implied, control of the second sec							
	n or connected with				1 , β	jury or p	toperty damage	01 1035	orany
	75/Ner		ector	8/15/	······		CA 1828 - NB		
Note: Suppleme		(Ti orm of lists, sketche on each sheet, and			provided (1) size	is 8 1/2 x		mation	in items 1

			ric Company								30, 2007
	<u>77 Bea</u>	ale Street, San F	rancisco, CA 94	106				S.	neet _	1	of <u>1</u>
2. Plant		Canyon Power				•		······	Jnit _		
	P.O. B	ox 56, Avila Be	ach, CA 93424	·							
3. Work Pe	erformed	by	Owner								•
			See Abov	/e		· · · · · · · · · · · · · · · · · · ·	·]	Repair Org. P.O	No., Jo	b No.	, etc.
4. Identific	cation of S	System	Inco	re Flux Map	ping System (4	18)					
		onstruction Code			Edition	Addenda, (<u> </u>	۱/A
(b) App	licable E	dition of Section	XI Utilized for Re	epairs or Rep	lacements -	2001- 03	Addend	a, Code Case	-		N/A
6. Identific	cation of c	components.									
Name Compo		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)
A-0	9	Westinghouse	N/A	N/A	C0211264	RVST	N/A	Replaced (1)		X	No
F-0	8	Westinghouse	N/A	N/A	C0211264	RVST	N/A	Replaced (1)		X	No
L-1:	5	Westinghouse	N/A	N/A	C0211264	RVST	N/A	Replaced (1)		X	No
J-10	0	Westinghouse	<u>N/A</u>	N/A	C0211264	RVST	N/A	Replaced (1)		X	No
·											
-	tion of W		N/A Shorten and Repos					Replaced (2)	 		No
7. Descript 8. Tests Co Pressure	tion of W onducted: 2235	York (1)	Shorten and Repos	1	nimble Tubes; (<u>g</u>	empt	Othe	·	No
H-1 7. Descript 8. Tests Co Pressure 9. Remarks	tion of W onducted: 2235	York (1)	Shorten and Repos	matic	nimble Tubes; (2)Replaced Fittin	<u>g</u>		 	·	No
7. Descript 8. Tests Co Pressure 9. Remark 9. Remark 1 certify tha Type Code	tion of W onducted: 2235 s s at the state Symbol S	York (1) Hydrostati PSIG T ements made in	Shorten and Repose c	matic □ °F CRTIFICAT	nimble Tubes; (Nominal Op E OF COMPL nis comforms to	2)Replaced Fittin perating Pressure IANCE the requirements N/A	g Ex Ex of the A Expira	empt	Othe ection	r	No
7. Descript 8. Tests Co Pressure 9. Remark 9. Remark 1 certify tha Type Code Si	tion of W onducted: 2235 s s at the state symbol s igned	York(1) Hydrostati PSIG T ements made in StampN/4	Shorten and Repose c	RTIFICAT	nimble Tubes; (Nominal Op E OF COMPL nis comforms to	2)Replaced Fittin perating Pressure IANCE the requirements N/A Engineering I	g Ex of the A Expira Manager	empt	Othe ection N/A S/	r	27
7. Descript 8. Tests Co Pressure 9. Remark 9. Remark 1 certify tha Type Code	tion of W onducted: 2235 s s at the state symbol s igned	York(1) Hydrostati PSIG T ements made in StampN/4	Shorten and Repose c Pneu est Temp. N/R CE the report are correct CE CE CE CE CE CE CE CE CE CE CE CE CE	RTIFICAT	nimble Tubes; (Nominal Op E OF COMPL nis comforms to ization No.	2)Replaced Fittin perating Pressure IANCE the requirements N/A Engineering I (Title)	g Ex of the A Expira Manager	empt	Othe ection N/A S/	r	27
7. Descript 8. Tests Co Pressure 9. Remarks 9. Remarks 9. Remarks 9. Remarks 9. Remarks 9. Co 9.	tion of W onducted: 2235 s 2235 s s at the state symbol s igned wner'sDesig rsigned, h ovince of	York (1) Hydrostati PSIG T ements made in Stamp N/A gnee)	Shorten and Repos	RTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT Se ERTIFICAT by the Nation employed by	nimble Tubes; (Nominal Op Nominal Op E OF COMPL nis comforms to ization No. TE OF INSPEC al Board of Boi	2)Replaced Fittin perating Pressure IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT	g Exc of the A Expira Manager Vessel In: of	empt	Othe ection N/A S/	r XI (Date	27
7. Descript 8. Tests Co Pressure 9. Remarks 9. Remarks 9. Remarks 9. Remarks 9. Remarks 9. Code 9. Code 5. Cod	tion of W onducted: 2235 s at the state Symbol s igned wner'sDesig rsigned, h ovince of cted the c	York(1) Hydrostati PSIG T ements made in StampN/A (nee) colding a valid co <u>Calif</u> omponents descr	Shorten and Repose c Pneu est Temp. N/R CF the report are correct Gary Clo Gary Clo C Gary Clo C c ommission issued to cornia, And ribed in this Owner	RTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT CRTIFICAT Se CRTIFICAT SE SE S S S S S S S S S S S S S	nimble Tubes; (Nominal Op Nominal Op E OF COMPL nis comforms to ization No. TE OF INSPEC al Board of Boi y ring the period	2)Replaced Fittin 2)Replaced Fittin perating Pressure IANCE the requirements N/A Engineering I (Title) CTION ler and Pressure V HSB-CT 1/04 , 20	g S of the A Expira Manager Vessel Int O O O O O O O O O O	empt SME Code, S tion Date spectors and <u>Hartford, 6</u>	Othe ection N/A S/ he CT 30	r XI (Date , 20	2 7
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SECTION J

Manufacturers Data Reports For Nuclear/Pressure Vessels

COI	FORM N-1A MANUFACTURERS DATA REPORT Alternate Form for Single Chamber Completely Shop	-Fabricated Vessels Only
2	As required by the Provisions of the ASME Code Rul	
	Combustion Engineering, Inc., 911 West Mat	n Street, Chattanooga, Tennessee
	1. Manufactured by Westinghouse Electric Corporation, P. 0. 1 2. Manufactured for 66104 (Name and address of Markov address address address of Markov address address address address address	Sox 355, Pittsburgh, Pennsylvania
	66104 (Name and address of I 2 Turne Vert. Vessel No. (66204) (Purchaser) 20760 Veer Built 1970
•	(Horiz. or Vert.) (Mfrs. Serial) (State & State No.) A-508-64 (F1g.) Nom 10-	13 11-1/2
	A-508-64 (F1g.) A-503-Gr. B C1. 1 T.S. 80.000 Nom. 10- Corr. 4. Shell: Material Gr. B C1. No.) (Min. of range specified) (Kind & Spec. No.) (Min. of range specified)	
	5. Seams: Long	
	$\begin{array}{c} 4 \\ \text{H.T.} \\ 1 \\ \text{Yes} \\ \text{X.R.} \\ \frac{\text{Yes}}{\text{Yes}} \\ \text{No. o} \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ 1 \\ $	f Courses
	6. Heads: (a) Material A-508-64 (Flg.) T.S. 80,000 (b) Material A Location Crown Knuckle Elliptical Conical	Hemispherical Flat Side to Pressure
	(Top, bottom, ends) Thickness Radius Radius Ratio Apex Angle (a)Top	Radius Diameter (Convex or Concave) 83-23/32 Concave
	(a)	T45,000 7" Concave
	(Material, Spec. No. T.S., Size, Number)	(SINSENDACKEXADACK SKALAS) ft-ib Hydrostatic ROMMACKEXAD Test 0105
eci	7. Constructed for gn xpressting press22500psi. at max. temp6509 F. at temp. of40	
	8. Safety or Relief Valve Outlets: Number Size	
	9. Nozzles: Purpose (Inlet,	Reinforcement How
	RetisizerNumberDiam. or SizeTypeMaterialBody427-15/16I.D. Forging A-508-64Extension427-15/16I.D. Forging SA-182	Thickness Material Attached C1. 2-5/16 Integral Welded
{	Extension A. 27-15/16 I.D. Forging SA-182	2 2-5/16 Integral Welded
	10. Inspection Manholes, No	APPROVE GAS AND ELECTRIC CO.
	11. Supports: Skirt (Near of Ne) (Number) (Number) (Describe)	RELIRDER & Tran
	12. Remarks: Pressurized Water Reactor Vessel. Control Rod Housings included.	FEB 15 19/1
ł		1-L-D-13/+1
-1	For continuation of Item 4, 6 & 9, See supple	DEPARTMENTLOF PAGENEERING
>	(Brief description of purpose of the vessel - Sta ¹ If Postweld Heat-Treated.	(Contests)
L	² List other internal or external pressure with coincident tem.	perature when applicable.
1	We certify that the statements made in this report are correct and that all details of ma vessel conform to the ASME Code for Nuclear Vessels. Date. November 20 19.70 Signed Combustion Engineering, I	A. D. Derwidden
D	DateNOVEMBEL 20 19.70 Signed Computer Paragraphic	H. N. Dinwiddie
2	Certificate of Authorization Expires	
1	CERTIFICATION OF DES	GN
	Design information on file at Combustion Engineering, Inc., Chat	tanooga, Tennessee attanooga, Tennessee
2	Stress analysis report on file at	Cng. Yes. State Calif. Reg. No. 7352
		Eng. 125 State 12111. Reg. No. 7257
Γ	CERTIFICATE OF SHOP INSPE	CTION
K		at Chattanooga, Tenn.
	Is the undersigned, holding a valid commission issued by the National Board of Boiler	and Pressure Vessel Inspectors and/or the State
	and employed by <u>Hartford Steam Boiler Insp. &</u> have inspected the pressure vessel described in this manufacturer's data report on	May 15
5	State that to the best of my knowledge and belief, the manufacturer has constructed the	his pressure vessel in accordance with the ASME
	Code for Nuclear Vessels. By signing this certificate neither the Inspector nor his employer makes any warrant	ty, expressed or implied, concerning the pressure
	vessel described in this manufacturer's data report. Furthermore, neither the Inspector is any personal injury or property damage or a loss of any kind arising from or connecte	d with this inspection.
	Date November 20 19.70	National Board No. 2928
L.	R. McLellan Inspectors Signature	National Board or State and No.

, J

NTR4	Alternate Form for Single Unamper Lompletely Snop-Fabricated Vessels Univ
1. M	lanufactured by Combustion Engineering, Inc., 911 West Main St., Chattanooga, Tennessee
2 1	(Name and address of Manufacturer) (anufactured for Westinghouse Electric Corp., P. O. Box 355, Pittsburgh, Pennsylvania
	UUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUUU
	Vpe Vert. Vessel No. (66204) (
.4. S	hell: Material Gr. B. Cl. 1. T.S. 80,000 Thk. 5/8 In. Allow. In. Diam. 14. Ft. 7/16. Length 42. Ft. 11/16
5. S	(Kind & Spec. No.) (Min. of range specified) eams: LongEfficiency
6 U	Girth
	Location Crown Knuckle Elliptical Conical Hemispherical Flat Side to Pressure
()	Top, bottom, ends) Thickness Radius Radius Ratio Apex Angle Radius Diameter (Convex or Concav a) Bottom 5-5/16 88-3/8 Concave
à	b)
İ	fremovable, bolts used
	Constructed for Charpy impactft-1b Hydrostatic Pneumatic or Test combination Press
	afety or Relief Valve Outlets: Number
P	ozzles: urpose (briež Reinforcement How utlet, dixim) Number Diam. or Size Type Material Thickness Material Attached ody <u>4 29-7/16'' I.D. Forging A-508-64 Cl. 2-11/32 Integral</u> Weldec xtension <u>4 29-7/16'' I.D. Forging SA-182 2 2-11/32 Integral</u> Weldec
	Inspection Manholes, No
	penings: Handholes, No
11. Si	Threaded, No Size
	(Yes or No) (Number) (Describe) (Where & How)
12. R	emarks:
••••••	
••••••	(Brief description of purpose of the vessel - State Contents.)
	¹ If Postweld Heat-Treated.
	² List other internal or external pressure with coincident temperature when applicable. certify that the statements made in this report are correct and that all details of material design, construction, and workmanship of the statements of the statements made in this report are correct and that all details of material design, construction, and workmanship of the statements are statements as a statement of the statements made in this report are correct and that all details of material design, construction, and workmanship of the statements are statements as a statement of the statements are statements as a statement of the sta
	l conform to the ASME Code for Nuclear Vessels.
Certit	icate of Authorization Expires
	CERTIFICATION OF DESIGN
	sign information on file at
	ess analysis report on file at
Str	
Str De	sign specifications certified by Reg. No

CERTIFICATE OF SHOP INSPECTION

at a standard of Boiler and Pressure Vessel Inspectors and/or the State
of and employed by
have inspected the pressure vessel described in this manufacturer's data report on
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date
Inspectors Signature Commissions