

ENCLOSURE

Diablo Canyon Power Plant Unit 1
First Refueling Outage Inservice Inspection (ISI)
Summary Report

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Q PDR



DIABLO CANYON POWER PLANT

UNIT 1

USNRC DOCKET NO. 50-275

OPERATING LICENSE NO. DPR-80

COMMERCIAL OPERATION DATE MAY 7, 1985

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Approved: Steve G. Banton
STEVE G. BANTON ENGINEERING MANAGER

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INTRODUCTION

Inservice Inspection of scheduled Class 1 and 2 components and their supports at Pacific Gas and Electric Company's Diablo Canyon Unit #1 were conducted during the first refueling outage from August through December 1986. These examinations included 2,233 tubes from the four steam generators (including all row 1 and 2 tubes) which were Eddy Current tested. This report summarizes the results of these examinations. Additionally approximately 50% of class 3 component supports were examined. Results of those examinations are on file at the plant.

The Class 1 and 2 component sections of this report contain tables which detail the components examined, including code category and item, the type of examination(s) performed, the date of examination (for a group of items, the date given is the most recent date for any member of the group), any unusual conditions noted, corrective action if required, and explanatory remarks. All original examination records have been reviewed by the Authorized Nuclear Inservice Inspector and are being filed in the Records Management System.

During the examinations most components were found to be satisfactory, however various minor irregular conditions were noted. These essentially consisted of out of tolerance spring can or snubber settings. Two loose nuts, one on a snubber base plate and one on a hanger clamp were detected. All these irregularities were evaluated and have since been resolved.

One snubber rear bracket pin on Steam Generator 1-2 was found to be disengaged from the rear bracket end of the support, and two other snubber rear bracket pins on the same generator were found partially disengaged. Consequently all generator snubbers were inspected with no other discrepancies noted, and pin retainers were installed to prevent recurrence.

Preservice Inspections were performed during the outage for certain components in addition to those examinations required following repair or replacement work. Components receiving original Preservice Inspection were lugs on three hangers, eight safety injection pump studs, and six pipe welds on line 1357 (upgraded from Class 3 to Class 2). These items are detailed on the tables in the Preservice Inspection section of this report.

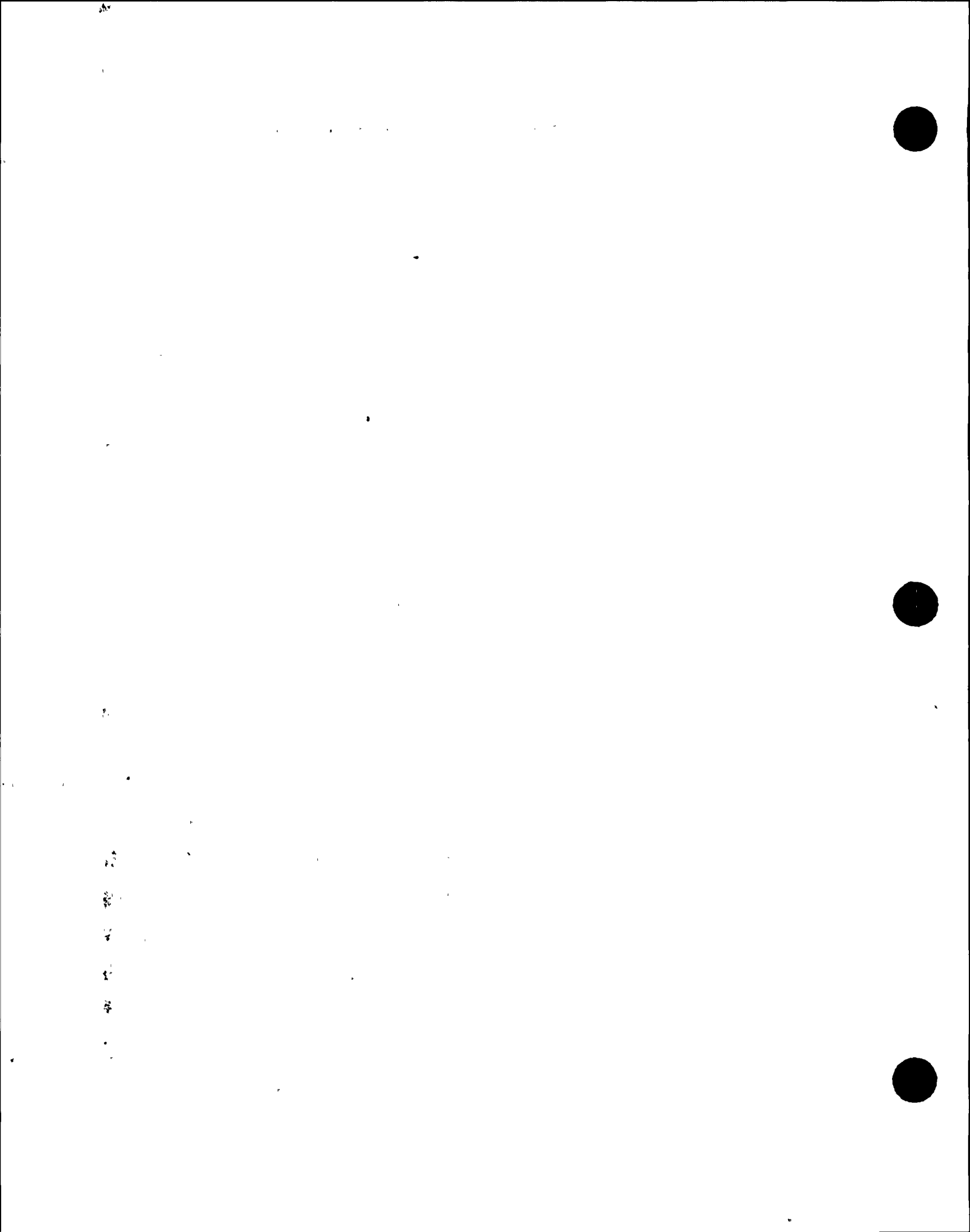
The original preservice examinations for many hangers were conducted using field as-built drawings while final engineering drawings were being prepared. Upon receipt of the final drawings, they were compared to the as-builts and all inconsistencies discovered were resolved by scheduling those specific hangers for Inservice Inspection during this first refueling outage. No discrepancies were found during these examinations.

The Repair/Replacement section of this report contains the completed ASME data report forms (NIS-2) for those work packages closed out through the end of the outage on December 29, 1986. Work on components and supports listed on the NIS-2 forms was conducted in accordance with PGandE Administrative Procedure C-756, "ASME Section XI Repair/Replacement Program". The NIS-2 forms are organized by system, with components and supports entered on separate forms. During preparation of the Unit 1 Preservice Inspection Report, only work packages that had received final review by the Authorized Nuclear Inspector were included on the NIS-2 forms. Subsequently these packages were reviewed, and are reported herein on supplemental NIS-2 forms. Those work packages not closed out by December 29, 1986 will be included in the next refueling outage report.



B. ASME CODE DATA REPORT (NIS-1)

1339S/0049K



FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Pacific Gas and Electric Company, 77 Beale Street, San Francisco, Ca. 94106
(Name and Address of Owner)
2. Plant Diablo Canyon Power Plant, P.O. Box 56, Avila Beach, CA. 93424
(Name and Address of Plant)
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. Components Inspected All ASME Code Class I Items

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel	Combust. Eng./Westinghouse	CE 66104	11475-76	20760
Pressurizer	Westinghouse	1051	N/A	68-30
Steam Gen.1-1	Westinghouse	1041	N/A	68-12
Steam Gen.1-3	Westinghouse	1043	N/A	68-14
R.C. Pump 1-1	Westinghouse	562	N/A	N/A
R.C. Pump 1-2	Westinghouse	507	N/A	N/A
R.C. Pump 1-4	Westinghouse	509	N/A	N/A
Class 1 Piping	Wisner & Becker/Kellogg	N/A	N/A	N/A
Class 1 Valves	Various	N/A	N/A	N/A
Class 1 Comp. Support	Various	N/A	N/A	N/A
Steam Gen.1-2	Westinghouse	1042	N/A	68-13
Steam Gen.1-4	Westinghouse	1044	N/A	68-15

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8½ 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 9-86 to 12-86 9. Inspection Interval from PSI to 1st ISI

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

Refer to ISI Report.

11. Abstract of Conditions Noted.

Refer to ISI Report.

12. Abstract of Corrective Measures Recommended and Taken

Refer to ISI Report.

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

Date Feb 26 19 87 Signed Plant Manager By Robert C. Thornberry
Owner (Robert C. Thornberry)

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the components described in this Owners' Data Report during the period 9-86 to 12-86, 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 February 26 19 87

Robert K. Johnson Commissions NB 8694 CA 1419
Inspector's Signature (Robert K. Johnson) National Board, State, Province and No.



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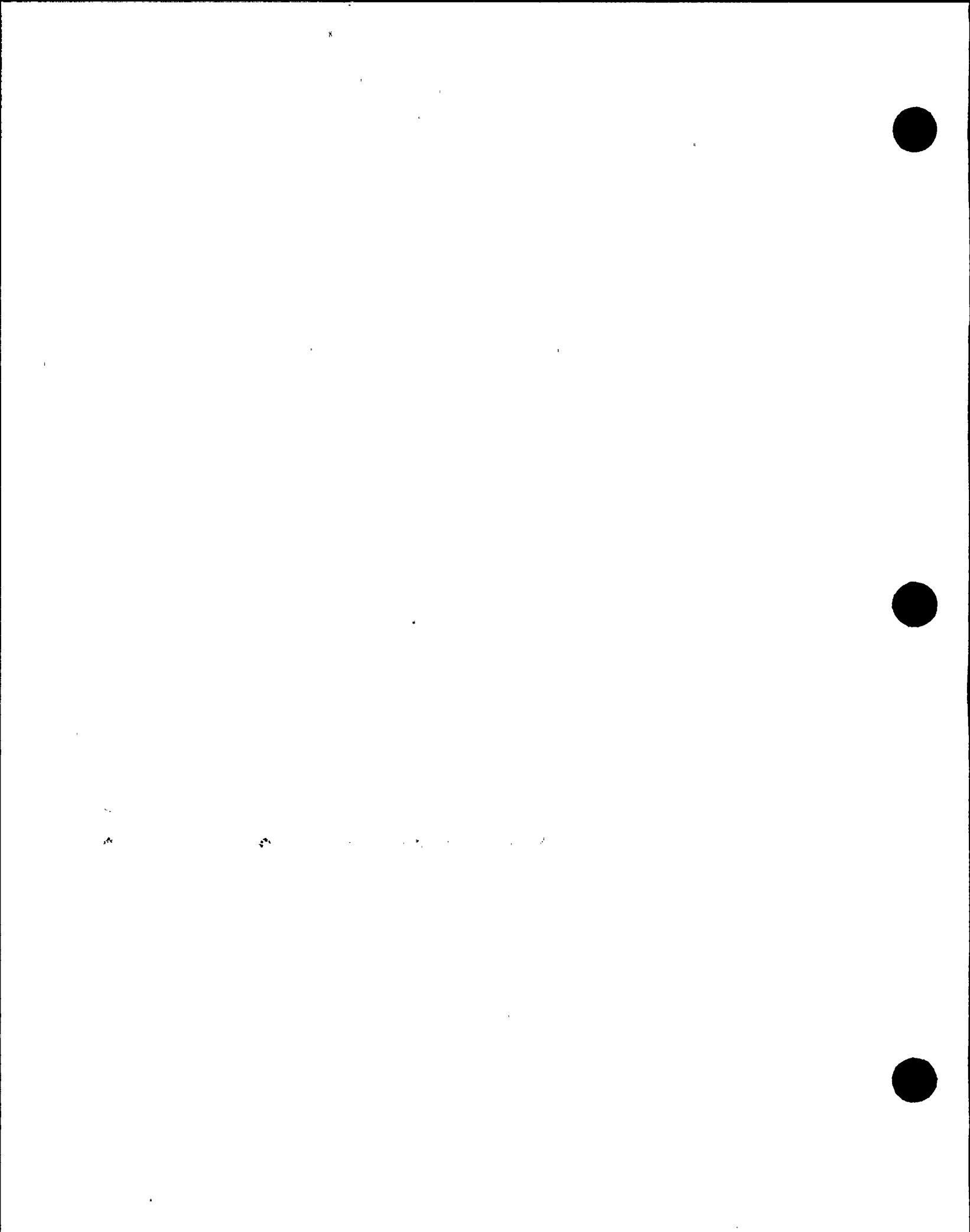
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 (Name and Address of Owner)
2. Plant Diablo Canyon Power Plant, P.O. Box 56, Avila Beach, CA. 93424
 (Name and Address of Plant)
3. Plant Unit One 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 05/07/85 6. National Board Number for Unit N/A
7. Components Inspected All ASME Code Class 2 Items

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Steam Gen.1-1	Westinghouse	1041	N/A	68-12
Steam Gen.1-2	Westinghouse	1042	N/A	68-13
Boron Inj.Tank	Struthers Well Corp.	2-70-07-30717-4	N/A	13341
Exc. Ltdn. Hx	Atlas Industrial Mfg.Co	853	N/A	704
RHR Pump 1-1	Ingersoll Rand	037050	N/A	N/A
S.I. Pump 1-1	Pacific Pumps	45497	N/A	N/A
C. Ch. Pp.1-1	Pacific Pumps	45617	N/A	N/A
C1.2 Piping	M.W.Kellogg/Pullman Pwr.	N/A	N/A	N/A
C1.2 Comp.Sup.	Various	N/A	N/A	N/A

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Refer to ISI Report.

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Refer to ISI Report.

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Refer to ISI Report.

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

Date Feb 26 19 87 Signed Plant Manager By Robert C. Thornberry
Owner (Robert C. Thornberry)

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

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the components described in this Owners' Data Report during the period 9-86 to 12-86, 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 February 26 19 87

Robert K. Johnson Commissions NB 8694 CA 1419
Inspector's Signature (Robert K. Johnson) National Board, State, Province and No.



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: REACTOR VESSEL (1.1)
PAGE: 1 OF 1

CATEGORY								
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-1	<u>REACTOR VESSEL</u> <u>Pressure Retaining</u> <u>Bolting (>2" Dia.)</u>							
B6.40	Flange Ligaments (Stud Holes in Flange)	Threads	VT-1	9	9/19/86			Stud holes No.1 thru No.9 examined
B6.50	Closure Washers	RPV Stud Washers (pairs)	VT-1	18 (pair)	10/4/86			Washers No.1 thru No.18 examined
B-N-1	<u>Interior of Reactor</u> <u>Vessel</u>							
B13.10	Vessel Interior	Interior surfaces as accessible (Lower internals not removed)	VT-3		10/10/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PRESSURIZER (1.2)
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>PRESSURIZER</u>							
B-B	<u>Pressure Retaining Welds in Vessels Other Than Reactor Vessels</u>							
B2.11	Circumferential	Bottom Head to Lower Course (Girth Weld No.1)	UT	1	10/20/86			1/3 of weld examined (approx. 8 feet)
B-H	Vessel Supports							
BB.20	Integrally Welded (Support) Attachments	Support Skirt (Girth Weld No.10)	UT	1	11/1/86			1/3 of weld examined (approx. 8 feet)



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (1.3)
PAGE: 1 OF 2

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
	<u>STEAM GENERATORS</u> (Primary Side)							
B-B	<u>Pressure Retaining</u> <u>Welds in Vessels</u> <u>Other Than Reactor</u> <u>Vessel</u>							
B2.40	Tubesheet to Head Welds							
	Steam Generator 1-1 (Serial No. 1041)	Channel Head Weld No 1-1	UT	1	11/4/86			1/3 of weld examined (approx. 12 feet)
	Steam Generator 1-3 (Serial No. 1043)	Channel Head Weld No 1-3	UT	1	11/4/86			1/3 of weld examined (approx. 12 feet)



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (1.3)
PAGE: 2 OF 2

CATEGORY	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM						
	<u>STEAM GENERATORS</u> (Primary Side)						
B-Q	<u>Steam Generator Tubing</u>						
B16.20	U-Tube Design Steam Generator	Gen 1-1	ET	574	10/86 THRU 11/86	No report- able Indications found	All row 1 and 2 tubes; all periphery tubes, and sample of balance of tubes examined
		Gen 1-2	ET	550	"	"	
		Gen 1-3	ET	556	"	"	
		Gen 1-4	ET	553	"	"	



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS AND BOLTING (1.4)
PAGE: 1 OF 15

CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>PIPING</u>							
B-F	<u>Pressure Retaining Dissimilar Metal Welds</u>							
B5.30 B5.50	Steam Generator Nozzle to Safe-End Welds Reactor Coolant Pp Suct Loop 1, 5-31SPL [1.4-1]	WIB-RC-I-6SE	PT	1	9/12/86			Stainless steel pipe is welded directly to nozzle.
B5.50 B5.10	Piping Safe End Welds Reactor Vessel Nozzle Outlet Nozzle Loop 1 1-29SPL [1.4-1] Outlet Nozzle Loop 2 2-29SPL [1.4-2]	WIB-RC-1-1SE	PT	1	9/9/86			
B5.30	Pressurizer Nozzle PZR RV-8010B, Inlet S6-728-6SPL [1.4-22]	WIB-322SE	PT UT	1	9/22/86 9/27/86			50% examined, nozzle con- figuration, curvature of vessel
B-G-2	<u>Pressure Retaining Bolting (< 2" Dia.)</u>							
B7.50	Bolts, Studs and Nuts (3 Inch Diameter Pipe) Loop 1 RTD Manifold Rtn Hdr S6-1141-3SPL [1.4-31] (1.5 Inch Diameter Pipe) RC PP 1 Seal Wtr In S6-54-1.5 [1.4-42]	1-FE-499A	VT-1	8 Studs 16 Nuts	9/11/86			
	Flange Between WIB-1021 & WIB-1022		VT-1	4 Studs 8 Nuts	9/10/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 2 OF 15

CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-J	<u>PRESSURE RETAINING WELDS IN PIPING</u>							
B9.11	Circumferential Welds							
B9.12	Longitudinal Welds (31 Inch Nom. Diameter)							
	Reactor Coolant Pump Suction Loop 1 [1.4-1]	WIB-RC-1-12 and 12" of adjacent seams WIB-RC-1-115A&B	PT	1	9/12/86			
B9.11	Circumferential Welds (14 Inch Nom. Diameter)			(2)				
	Pressurizer Surge Line *16-14SPL [1.4-5]	WIB-67	PT UT	1	10/4/86 10/8/86			60% examined, proximity of rupture rest. (UT)
		WIB-68	PT UT	1	10/4/86 10/4/86			90% examined, proximity of rupture rest. (UT)
B9.11	Circumferential Welds (10 Inch Nom. Diameter)							
	Accumulator Injection Loop 1, S6-253-10SPL	WIB-42	PT UT	1	9/10/86 9/10/86			
	Accumulator Injection Loop 3, S6-255-10SPL	WIB-210	PT UT	1	9/10/86 9/10/86			80% examined, valve downstream side (UT)
B9.11	Circumferential Welds (8 Inch Nom. Diameter)							
	SIS to RCS Loop 1 Hot Leg, S6-2575-8 [1.4-12]	WIB-16	PT UT	1	9/8/86 9/11/86			95% examined, permanent hanger (UT)



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 3 OF 15

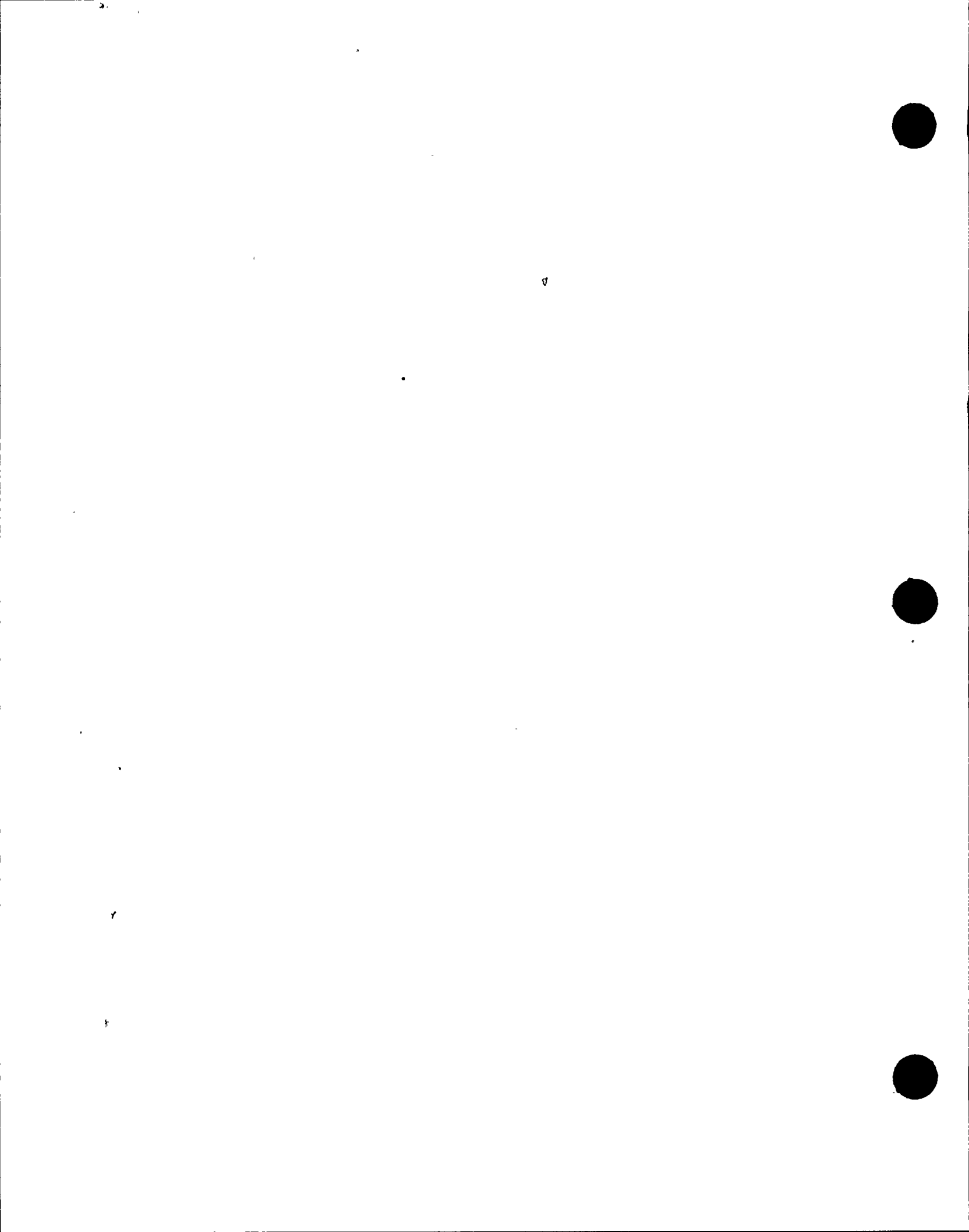
CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-J	<u>Pressure Retaining Welds In Piping</u>							
B9.11	Circumferential Welds (6 Inch Nominal Dia.)							
	Safety Inj Loop 2 Hot Leg S6-236-6SL [1.4-14]	WIB-82	PT UT	1	9/6/86 9/6/86			
	Safety Inj Loop 4 Hot Leg S6-238-6SPL [1.4-16]	WIB-289	PT UT	1	10/31/86 10/31/86			90% Examined Intrados of Elbow (UT)
	RHR PP 1-2 Inj Cold Leg S6-3846-6SPL [1.4-19]	WIB-217	PT UT	1	9/6/86 9/6/86			
	Pressurizer Inlet RV 8010A S6-729-6SPL [1.4-22]	WIB-319	PT UT	1	9/22/86 9/27/86			90% Examined Drain Line (UT)
	Pressurizer Inlet RV 8010C S6-727-6SPL [1.4-23]	WIB-334	PT UT	1	9/27/86 9/27/86			50% Examined Welded Code Band Plate (UT and PT)
B9.11	Circumferential Welds (4 Inch Nominal Dia.)							
	Pressurizer RV PCV455C S6-4081-4SPL [1.4-24]	WIB-361	PT UT	1	9/29/86 10/1/86			90% Examined Curvature of Reducer (UT)



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 4 OF 15

CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-J	<u>Pressure Retaining Welds In Piping</u>							
B9.11	Circumferential Welds (4 Inch Nominal Dia.)							
	Loop 1 Spray Line S6-13-4SPL [1.4-25] [1.4-26][1.4-27]	WIB-401	PT UT	1	9/12/86 10/13/86			90% Examined Curvature of Tee (UT)
	Loop 2 Spray Line S6-14-4SPL [1.4-25] [1.4-28]	WIB-442	PT UT	1	10/4/86 10/13/86			90% Examined Curvature of Elbow (UT)
	Pressurizer Spray Line S6-15-4SPL [1.4-29]	WIB-383	PT UT	1	9/29/86 10/1/86			90% Examined Curvature of Elbow (UT)
B9.21	Circumferential Welds (3 Inch Nominal Dia.)							
	Loop 2 RTD Manifold Rtn Hdr S6-1147-3SPL [1.4-31]	WIB-89	PT	1	9/10/86			
	Loop 3 Cold Leg RTD Conn S6-3800-3SPL [1.4-32]	WIB-193	PT	1	9/6/86			
	Loop 4 RTD Manifold Rtn Hdr S6-1158-3SPL [1.4-33]	WIB-251	PT	1	9/9/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 5 OF 15

CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-J	<u>Pressure Retaining Welds In Piping</u>							
B9.21	Circumferential Welds (3 Inch Nom. Diameter)							
	Charging Line Loop 4 S6-246-3SPL [1.4-33]	WIB-292	PT	1	9/9/86			
	Pressurizer Power RV PCV474 S6-1171-3SPL [1.4-24]	WIB-348	PT	1	11/1/86			
B9.31	Branch Pipe Connection Welds (Nominal Pipe Size Greater Than 2 Inch)							
	Accumulator Injection Loop 2 S6-254-10SPL [1.4-2] [1.4-9]	WIB-RC-2-16	PT UT	1	9/11/86 9/11/86			70% Exam'd (UT) curvature of weld, no scan downstream: configuration of nozzle
B9.32	Branch Pipe Connection Weld (Nominal Pipe Size 2 Inch and Less)							
	Loop 1 Cold Leg Drain RCDT S6-958-2SPL [1.4-1] [1.4-46]	WIB-20A	PT	1	9/11/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 6 OF 15

CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-J	<u>Pressure Retaining Welds In Piping</u>							
B9.40	Socket Welds (2 inch Nominal Diameter)	Weld No.		(3)				
	Charging Line Aux. Spray S6-51-2SPL [1.4-40]	WIB-373 WIB-394 WIB-414	PT PT PT	1 1 1	9/8/86 9/12/86 9/29/86			
	Loop 3 Cold Leg Drain RCDT. S6-960-2SPL [1.4-47]	WIB-251	PT	1	9/8/86			
	SI Pp 1-1 Inj. Hot Leg Loop 2 S6-3864-2 [1.4-51]	WIB-424	PT	1	9/6/86			
	Safety Inj. Hot Leg Loop 3 S6-1976-2 [1.4-52]	WIB-434	PT	1	9/8/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (1.4)
PAGE: 7 OF 15

CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>PIPING</u> <u>Pressure Retaining</u> <u>Welds In Piping</u>							
B9.40	Socket Welds Cont'd Safety Inj. Hot Leg Loop 4. S6-1990-2 [1.4-53]	WIB-435	PT	1	9/8/86			
	SI Pps Cold Leg 3 Recirc. S6-3857-2SPL [1.4-54]	WIB-458	PT	1	9/8/86			
	Loop 1 Hot Leg RTD Conn Hdr. S6-1139-2SPL [1.4-56]	WIB-4	PT	1	9/10/86			
	Loop 3 Hot Leg RTD Conn Hdr. S6-1151-2SPL [1.4-58]	WIB-235	PT	1	9/10/86			
	Loop 4 Hot Leg RTD Conn Hdr. S6-1157-2SPL [1.4-59]	WIB-327	PT	1	9/9/86			
	Loop 1 Cold Leg RTD Conn S6-1140-2SPL [1.4-60]	WIB-26	PT	1	9/12/86			



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ITEM: PIPING WELDS (1.4)
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CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>PIPING</u>							
B-J	<u>Pressure Retaining Welds In Piping</u>							
B9.40	Socket Welds Cont'd							
	Loop 3 Cold Leg RTD Conn S6-1152-2SPL [1.4-62]	WIB-268	PT	1	9/10/86			
	Loop 4 Cold Leg RTD Conn S6-1159-2SPL [1.4-63]	WIB-359	PT	1	9/9/86			
	(1.5 Inch Nominal Diameter)							
	Boron Inj. Tk Out Loop 1 Cold Leg S6-1991-1.5SPL [1.4-64] [1.4-65]	WIB-75 WIB-44	PT PT	1 1	9/8/86 9/10/86			
	Boron Inj. Tk Out Loop 2 Cold Leg S6-1992-1.5SPL [1.4-67] [1.4-69]	WIB-229 WIB-194 WIB-176	PT PT PT	1 1 1	9/8/86 9/8/86 9/9/86			
	Boron Inj. Tk Out Loop 3 Cold Leg S6-1993-1.5SPL [1.4-70] [1.4-71]	WIB-316 WIB-311	PT PT	1 1	9/8/86 9/8/86			
	Boron Inj. Tk Out Loop 4 Cold Leg S6-1994-1.5SPL [1.4-64] [1.4-65]	WIB-115	PT	1	9/9/86			



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K-2	<u>Component Supports For Piping</u>							
B11.10	Piping Component Supports (14 Inch Nom. Diameter)	LINE NO. & ISI DWG. NO.						
	Pressurizer Surge Line (Loop 2)	*16-14SPL [1.4-5]	VT-3 VT-4	2	9/6/86	Setting Out of Tolerance		Eng Accept Hgr. 51-24V
	Hot Leg Recirc before V-8702	S6-109-14SPL [1.4-6]	VT-3 VT-4	2	9/12/86			
	Loop 4 Hot Leg before V-8701	S6-1665-14SPL [1.4-7]	VT-3 VT-4	1	9/12/86			
	(10 Inch Nom. Diameter)							
	Accumulator Injection Loop 1	S6-253-10SPL [1.4-8]	VT-3 VT-4	1	9/10/86			
	Accumulator Injection Loop 4	S6-256-10SPL [1.4-11]	VT-3 VT-4	1	9/20/86			
	(8 Inch Nom. Diameter)							
	SIS to RCS Loop Hot Leg	S6-2575-8 [1.4-12]	VT-3 VT-4	1	8/5/86			
	(6 Inch Nom. Diameter)							
	Safety Inj Loop 1 Hot Leg	S6-235-6SPL [1.4-13]	VT-3 VT-4	1	9/8/86			



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ITEM: PIPING SUPPORTS (1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K-2	<u>Component Supports For Piping</u>							
B11.10	<u>Piping Component Supports (6 Inch Nom. Diameter) cont'd</u>	LINE NO. & ISI DWG. NO.						
	Safety Inj Loop 2 Hot Leg	S6-236-6SPL [1.4-14]	VT-3 VT-4	1	9/12/86			
	Safety Inj Loop 3 Hot Leg	S6-237-6SPL [1.4-15]	VT-3 VT-4	2	9/8/86			
	Safety Inj Loop 4 Hot Leg	S6-238-6SPL [1.4-16] [1.4-6]	VT-3 VT-4	2	9/11/86			
	RHR Pp 1-1 Inj Cold Leg 1	S6-3844-6SPL [1.4-17]	VT-3 VT-4	3	9/3/86			
	RHR Pp 1-1 Inj Cold Leg 2	S6-3845-6SPL [1.4-18]	VT-3 VT-4	2	9/12/86			
	RHR Pp 1-2 Inj Cold Leg 3	S6-3846-6SPL [1.4-19]	VT-3 VT-4	1	9/12/86			
	RHR Pp 1-2 Inj Cold Leg 4	S6-3847-6SPL [1.4-20]	VT-3 VT-4	2	9/8/86			
	Pressurizer RV-8010A Inlet	S6-729-6SPL [1.4-21]	VT-3 VT-4	1	9/23/86			
	Pressurizer Power RV Inlet	S6-730-6SPL [1.4-24]	VT-3 VT-4	1	9/23/86			



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K-2	<u>Component Supports For Piping</u>							
B11.10	Piping Component Supports (4 Inch Nom. Diameter)	LINE NO. & ISI DWG. NO.						
	Loop 1 Spray Line	S6-13-4SPL [1.4-27][1.4-26]	VT-3 VT-4	4	9/12/86			
	Loop 2 Spray Line	S6-14-4SPL [1.4-28][1.4-25]	VT-3 VT-4	3	9/12/86			
	Pressurizer Spray Line	S6-15-4SPL [1.4-29]	VT-3 VT-4	2	9/12/86			
	(3 Inch Nom. Diameter)							
	Loop 1 RTD Manifold Ret Hdr.	S6-1141-3SPL [1.4-30]	VT-3 VT-4	2	9/11/86			
	Loop 2 Hot Leg RTD Conn	S6-3489-3SPL [1.4-31]	VT-3 VT-4	2	9/12/86			
	Loop 2 RTD Manifold Ret Hdr.	S6-1147-3SPL [1.4-31]	VT-3 VT-4	1	9/12/86			
	Loop 3 Hot Leg RTD Conn	S6-3495-3SPL [1.4-32]	VT-3 VT-4	3	9/12/86			
	Loop 3 Cold Leg RTD Conn	S6-3800-3SPL [1.4-32]	VT-3 VT-4	1	9/6/86			



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K-2	<u>Component Supports For Piping</u>							
B11.10	Piping Component Supports (3 inch Nom. Diameter)	LINE NO. & ISI DWG. NO.						
	Loop 3 RTD Manifold Ret Hdr.	S6-1153-3SPL [1.4-32]	VT-3 VT-4	2	9/9/86			
	Loop 4 Hot Leg RTD Conn	S6-3496-3SPL [1.4-33]	VT-3 VT-4	1	9/8/86			
	Loop 4 RTD Manifold Ret Hdr.	S6-1158-3SPL [1.4-33]	VT-3 VT-4	1	9/8/86			
	Boron Inj Cold Leg Hdr	S6-1995-3 [1.4-36]	VT-3 VT-4	1	9/8/86			
	Letdown Line Loop 2	S6-24-3SPL [1.4-37] [1.4-38]	VT-3 VT-4	2	10/14/86			
	Pressurizer Pwr RV PCV-474	S6-1171-3SPL [1.4-24]	VT-3 VT-4	1	9/23/86			
	Pressurizer Pwr RV PCV-455C	S6-1172-3SPL [1.4-24]	VT-3 VT-4	1	9/23/86	Setting out of tolerance	Eng accept HGR. 48-27V	



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ITEM: PIPING SUPPORTS (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K-2	<u>Component Supports For Piping</u>							
B11.10	Piping Component Supports (3 Inch Nom. Diameter) (Cont'd)							
	Pressurizer Pwr RV PCV-456	S6-1195-3SPL [1.4-39]	VT-3 VT-4	1	9/23/86			
	(2 Inch Nom Diameter)							
	Charging Line Aux Spray	S6-51-2SPL [1.4-40] [1.4-41]	VT-3 VT-4	7	10/14/86			
	Reac Cool Pp 1 Seal Wtr In	S6-54-2 [1.4-42]	VT-3 VT-4	1	9/10/86			
	Reac Cool Pp 2 Seal Wtr In	S6-55-2 [1.4-43]	VT-3 VT-4	1	10/14/86			
	Reac Cool Pp 3 Seal Wtr In	S6-56-2 [1.4-44]	VT-3 VT-4	1	9/9/86			
	Loop 2 Cold Leg Drain RCDD	S6-959-2SPL [1.4-47]	VT-3 VT-4	1	9/6/86			
	Safety Inj Hot Leg Loop 3	S6-1976-2 [1.4-52]	VT-3 VT-4	1	9/8/86			
	SI Pps Cold Leg Loop 3 Recirc	S6-3857-2SPL [1.4-54]	VT-3 VT-4	1	9/8/86			
	SI Pps Cold Leg Loop 4 Recirc	S6-3858-2SPL [1.4-55]	VT-3 VT-4	1	9/8/86	Bolting Alignment	Scheduled for Corrective Adjustment	HGR 2155-77V



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K-2	<u>Component Supports For Piping</u>							
B11.10	Piping component Supports (2 Inch Nom. Diameter) (Cont'd)	LINE NO. & ISI DWG. NO.						
	Loop 2 Hot Leg RTD Conn Hdr	S6-1145-2SPL [1.4-57]	VT-3 VT-4	1	9/10/86			
	Loop 3 Hot Leg RTD Conn Hdr	S6-1151-2SPL [1.4-58]	VT-3 VT-4	1	9/12/86			
	Loop 2 Cold Leg RTD Conn	S6-1146-2SPL [1.4-61]	VT-3 VT-4	1	9/12/86			
	Loop 3 Cold Leg RTD Conn	S6-1152-2SPL [1.4-62]	VT-3 VT-4	1	9/10/86			
	(1.5 Inch Nom. Diameter)							
	Boron Inj Tk Out Loop 1 Cold Leg	S6-1991-1.5 [1.4-64] [1.4-65] [1.4-66]	VT-3 VT-4	2	9/8/86			
	Boron Inj Tk Out Loop 2 Cold Leg	S6-1992-1.5 [1.4-67] [1.4-68] [1.4-69]	VT-3 VT-4	5	9/8/86			
	Boron Inj Tk Out Loop 3 Cold Leg	S6-1993-1.5 [1.4-70] [1.4-71]	VT-3 VT-4	4	9/9/86			
	Boron Inj Tk Out Loop 4 Cold Leg	S6-1994-1.5 [1.4-64] [1.4-65]	VT-3 VT-4	4	9/8/86			



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ITEM: PIPING SUPPORTS (1.4)
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CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
B-K-1	<u>Support Members For Piping Pumps And Valves</u>							
B10.10	Piping-Integrally Welded Attachments (14 Inch Nominal Diameter)							
	Hot Leg Recirc before V-8702 S6-109-14SPL [1.4-6]	Hanger 56N-6V	PT	1	9/9/86			
	Loop 4 Hot Leg before V8701 S6-1665-14SPL (6 Inch Nominal Diameter)	Restraint 56N-4R	PT	1	9/12/86			
	Safety Injection Loop 4 Hot Leg S6-238-6SPL [1.4-16] [1.4-6] (3 Inch Nominal Diameter)	Hanger 56N-15V	PT	1	9/11/86			
	Loop 2 Hot Leg RTD Conn S6-3489SPL [1.4-31]	Hanger 47-15V	PT	1	9/13/86			



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ITEM: PUMPS (1.5)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	<u>Pressure Retaining Bolting, 2 Inch And Smaller In Diameter</u>							
B7.60	Bolts Studs and Nuts							
	Reactor Coolant Pump 1-1 [1.5-1]	Seal House Bolts No. 1 thru No. 12	VT-1	12	9/11/86			Bolts Examined 100% (Removed)
	Reactor Coolant Pump 1-4 [1.5-1]	Seal House Bolts No. 1 thru No. 12	VT-1	12	9/18/86			Bolts Examined 100% (Removed)
B-K-1	<u>Support Members</u>							
B10.20	Integrally Welded Attachments							
	Reactor Coolant Pump 1-2 [1.5-1]	Support Foot No. 2	PT	1	10/14/86			Weld 80% Accessible Foot Rest on 20% of Weld



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ITEM: VALVES (1.6)
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES</u>							
B-G-2	<u>Pressure Retaining Bolting, 2 Inch And Smaller In Diameter</u>							
B7.70	Bolts, Studs and Nuts							
	(14 Inch Nominal Diameter)							
	Hot Leg Recirc. before V-8702 [1.4-6]	SG-109-14SPL V-8702	VT-1	16 studs and nuts	9/10/86			
	(10 Inch Nominal Diameter)							
	Accumulator Injection Loop 2 [1.4-9]	SG-255-10SPL V-8956C	VT-1	16 studs and nuts	9/10/86			
	(6 Inch Nominal Diameter)							
	Pressurizer RV-8010A Inlet [1.4-21]	SG-729-6SPL RV-8010A	VT-1	12 studs and nuts	9/29/86			
	(4 Inch Nominal Diameter)							
	Loop 2 Spray Line [1.4-25]	SG-14-4SPL V-8033A	VT-1	12 studs and nuts	9/10/86			
	(3 Inch Nominal Diameter)							
	Loop 1 RTD Manifold Ret Hdr [1.4-30]	SG-1141-3SPL V-8074A	VT-1	12 studs and nuts	10/15/86			



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ITEM: PRESSURE VESSELS: STEAM
GENERATORS (2.1)
PAGE: 1 OF 2

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
<u>STEAM GENERATORS</u>								
C-A	<u>Pressure Retaining Welds In Pressure Vessels</u>							
C1.30	Tube Sheet to Shell							
	Steam Generator 1-1 [2.1-1]	Girth Weld 1-2 Tube Sheet to Stub-Barrel	UT	1	11/5/86			1/3 of weld examined (approx.12 ft)
C-E	<u>Support Members</u>							
C3.20	Component Supports							
	Steam Generator 1-2	Snubber Attachment	VT-3	1	9/12/86			
C3.30	Supports Mechanical and Hydraulic							
	Steam Generator 1-1 [2.1-1]	NE, NW, SE, SW Hydraulic Snubbers	VT-3 VT-4	4	12/17/86			



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ITEM: PRESSURE VESSELS: B.I.T.
AND XS.LTDN.HX (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>BORON INJECTION TANK</u>							
C-E	<u>Support Members</u>							
C3.20	<u>Support Components</u>							
	Support Leg [2.1-2]	Leg-A	MT	1	8/28/86			
C-D	<u>Pressure Retaining Bolting</u>							
C4.10	Bolts and Studs [2.1-2]	Manway Bolting	UT	2	8/28/86			
	<u>EXCESS LETDOWN HEAT EXCHANGER</u>							
C-A	<u>Pressure Retaining Welds in Vessels</u>							
C1.10	<u>Shell Circumferential Welds</u>							
	Girth Weld GA	Bottom Flange to Shell	PT	1	9/9/86			Relief request NDE 006 90% weld examined, support lugs.



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ITEM: PIPING WELDS (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING</u>								
C-F	<u>Pressure Retaining Welds In Piping</u>							
C5.20	Piping Welds Over $\frac{1}{2}$ Inch Nominal Wall							
C5.21	Circumferential Welds (Category C-G Single Stream System)							
	Boron Inj Tank Inlet S6-2032-6III	WIC-348	PT	1	9/24/86			
		(Category C-G Multiple Stream System)	UT		9/24/86			90% Examined, Curvature Of Tee
	Steam Gen 1-1 Feed Wtr Supply K16-554-16V [2.2-25]	WICG-105-1	MT UT	1	9/4/86 9/4/86			
	RHR Pp 1-2 Inj. Cold Leg Loop 4 S6-3847-6III [2.2-36]	WIC-303	PT UT	1	9/6/86 9/6/86			
C5.10	Piping Welds $\frac{1}{2}$ Inch Or Less Nom Wall Thickness							
C5.11	Circumferential Welds (Category C-F Single Stream System)							
	RHR Injection to H.L. 1 and 2 S1-985-12IIIP [2.2-4 thru 2.2-7]	WIC-95	PT	1	8/27/86			



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ITEM: PIPING WELDS (2.2)
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CATEGORY								
ITEM	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PIPING (CONT'D)</u>							
C5.11	Circumferential Welds	(Category C-F Single Stream System)						
	Residual Ht Exchs Bypass Hdr S1-1661-8III [2.2-9]	WIC-88	PT	1	8/26/86			
	RHR Exchs Outlet Cross- Tie S1-2458-8III [2.2-13]	WIC-31	PT	1	8/26/86			
		(Category C-F Multiple Stream System)						
	RHR Pp 1-1 Suction S1-110-14III [2.2-2] [2.2-11]	WIC-212	PT	1	8/26/86			
	RHR Pp 1-2 Suction S1-111-14III P [2.2-2] [2.2-12]	WIC-189 WIC-191	PT PT	1 1	8/26/86 8/26/86			
	Residual Ht Exch 1-1 Outlet S1-118-8III [2.2-14]	WIC-16	PT	1	8/27/86			
	Cent Charg Pp 1-1 Suction S2-42-6 [2.2-15]	WIC-336	PT	1	8/26/86			



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ITEM: PIPING WELDS (2.2)

PIPING SUPPORTS

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CATEGORY	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PIPING (Cont'd)</u>							
C5.11	Circumferential Welds	(Category C-G Single Stream System)						
	RHR to Chrg Pps Suction S2-734-8III [2.2-3]	WIC-442	PT	1	8/26/86			
	RHR to Safety Inj Pp 1-2 S2-1984-8III [2.2-17]	WIC-389	PT	1	8/27/86			
	RHR to Safety Inj Pp 1-1 S2-6(6") [2.2-20]	WIC-383	PT	1	8/26/86			
C-C	<u>Support Members</u>							
C3.40	Integrally Welded Support Attachments							
	Loop 4 Hot Leg to RHR Pps S1-927-14III [2.2-1] [2.2-2]	Hanger 575-20V	PT	1	8/27/86			
	RHR Injection to Hot Leg 1 and 2 S1-985-12III [2.2-4 thru 2.2-7]	Anchor 40-46A	PT	1	9/9/86			
	RHR Pp 1-2 Inj Cold Leg 3 and 4 S6-509-8III [2.2-33]	Restraint 57N-5R	PT	1	9/5/86			



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ITEM: PIPING SUPPORTS (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>SUPPORT MEMBERS</u>							
C3.40	Integrally Welded Support Attachments							
	Cent Charg Pp Disch Hdr.	S6-1454-6 [2.2-10]	PT	1	9/2/86			
	Stm Gen Feed Wtr Supply Gen 1-1	K16-554-16V [2.2-25]	MT	1	9/4/86			
C-E	<u>PIPING</u>							
C3.50		LINE NO. & ISI DWG. NO.						
	Loop 4 Hot Leg to RHR Pps	S1-927-14III [2.2-1] [2.2-2]	VT-3 VT-4	2	9/5/86			
	RHR Injection to Hot Leg 1 & 2	S1-985-12IIIP [2.2-7] [2.2-6] [2.2-5] [2.2-4]	VT-3 VT-4	5	9/16/86	Setting out of tolerance	Scheduled for HGR. 12-35 SL for Corrective Adjustment	
	Residual Ht Exchs Bypass Hdr	S1-1661-8III [2.2-9]	VT-3 VT-4	3	9/3/86			
	Cent Charg Pps Disch Hdr	S6-1454-6 [2.2-10]	VT-3 VT-4	1	9/2/86			
	Residual Ht Rem Pp 1-1 Suction	S1-110-14IIIP [2.2-2]	VT-3 VT-4	1	9/2/86			
	Residual Ht Rem Pp 1-2 Suction	S1-111-14IIIP [2.2-2] [2.2-12]	VT-3 VT-4	3	9/2/86			



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ITEM: PIPING SUPPORTS (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>PIPING</u>							
C3.50	Piping Supports (Cont'd)	LINE NO. & ISI DWG. NO.						
	Residual Ht Rem 1-2 Discharge	S1-113-8111 [2.2-9]	VT-3 VT-4	1	9/3/86	Setting out of tolerance		Eng Accept HGR. 72-5V
	Residual Ht Exchanger 1-1 Outlet	S1-118-8III [2.2-3] [2.2-13]	VT-3 VT-4	2	9/2/86			
	Residual Ht Exchanger 1-2 Outlet	S1-119-8III [2.2-14]	VT-3 VT-4	2	9/2/86			
	RHR Exchs Outlet Hx 1-1 Cross Tie	S1-2458-8III [2.2-13]	VT-3 VT-4	1	9/2/86			
	SIS to RCS Hot Leg Loop 1	S1-2575-8 [2.2-4]	VT-3 VT-4	1	8/5/86			
	Cent Charge Pp 1-1 Suct	S6-42-6 [2.2-15]	VT-3 VT-4	1	9/2/86			
	Cent Charge Pp 1-2 Suct	S6-43-6 [2.2-8]	VT-3 VT-4	1	9/2/86			
	RHR to Charg Pps Suct	S1-1971-8III [2.2-3]	VT-3 VT-4	1	9/2/86			
	RHR to Safety Injection Pp 1-2	S1-1984-8III [2.2-17]	VT-3 VT-4	1	9/9/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING SUPPORTS (2.2)
PAGE: 6 OF 8

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>PIPING</u>							
C3.50	Piping Supports (Cont'd)	LINE NO. & ISI DWG. NO.						
	Boron Injection Tank Inlet	S6-2032-6III [2.2-19]	VT-3 VT-4	1	9/2/86			
	Steam Gen Steam Outlet 1-1	K15-228-28V [2.2-21]	VT-3 VT-4	2	9/5/86			
	Steam Gen Steam Outlet 1-2	K15-227-28V [2.2-22]	VT-3 VT-4	2	9/4/86			
	Steam Gen Steam Outlet 1-3	K15-226-28V [2.2-23]	VT-3 VT-4	2	9/4/86			
	Steam Gen Steam Outlet 1-4	K15-225-28V [2.2-24]	VT-3 VT-4	1	9/5/86			
	Main Stm Relief Vlv Hdr 1-3	K15-1065-24V [2.2-23]	VT-3 VT-4	1	9/3/86			
	Main Stm Relief Vlv Hdr 1-4	K15-1066-24V [2.2-24]	VT-3 VT-4	1	9/2/86			
	Steam Gen Feed Wtr Supply Gen 1-1	K16-554-16V [2.2-25]	VT-3 VT-4	3	9/5/86			
	Steam Gen Feed Wtr Supply Gen 1-2	K16-555-16V [2.2-26]	VT-3 VT-4	3	9/5/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING SUPPORTS (2.2)
PAGE: 7 OF 8

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>PIPING</u>							
C3.50	Piping Supports (Cont'd)	LINE NO. & ISI DWG. NO.						
	Steam Gen Feed Wtr Supply Gen 1-3	K16-557-16V [2.2-27]	VT-3 VT-4	2	9/4/86			
1049-16SL	Steam Gen Feed Wtr Supply Gen 1-4 and	K16-556-16V [2.2-28]	VT-3 VT-4	3	9/6/86	Loose Nuts	Retorqued Nuts	Snubber HGR. 1044-7V
	Cont Sump to RHR Pp 1-1 Suct	S1-512-14III [2.2-11]	VT-3 VT-4	1	9/3/86			
	Cont Sump to RHR Pp 1-2 Suct	S1-513-14III [2.2-12]	VT-3 VT-4	1	9/2/86			
	Charg Pps Suction from RWST Vlv A	S2-1987-8 [2.2-29]	VT-3 VT-4	1	9/2/86			
	RHR Sup to Spray Hdrs 1 & 3	S1-279-8III [2.2-3]	VT-3 VT-4	2	9/5/86			
	RHR Sup to Spray Hdrs 2 & 4	S1-280-8III [2.2-16]	VT-3 VT-4	1	9/2/86			
	RHR Pp 1-1 Inj Cold Leg	S6-508-8III [2.2-30] [2.2-31] [2.2-32]	VT-3 VT-4	6	9/5/86			



FIRST INSERVICE INSPECTION REPORT
 ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING SUPPORTS (2.2)
 PAGE: 8 OF 8

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>PIPING</u>							
C3.50	Piping Supports (Cont'd)	LINE NO. & ISI DWG. NO.						
	RHR Pp 1-2 Inj Cold Leg	S6-509-8III [2.2-33]	VT-3 VT-4	2	9/5/86			
	RHR Pp 1-1 Inj Cold Leg Loop 1	S6-3844-6III [2.2-34]	VT-3 VT-4	2	9/3/86			
	RHR Pp 1-1 Inj Cold Leg Loop 2	S6-3845-6III [2.2-35]	VT-3 VT-4	2	9/5/86			
	RHR Pp 1-1 Inj Cold Leg Loop 4	S6-3847-6III [2.2-37]	VT-3 VT-4	1	9/10/86			
	Safety Inj Pump 1-2 Suction	S2-1983-6 [2.2-18]	VT-3 VT-4	1	9/2/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PUMPS (2.3)
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>PUMPS</u> <u>Support Members</u>							
C3.80	Component Supports							
	RHR Pump 1-1 [2.3-1]	Support Plates	VT-3	1	10/15/86			Embedded Plate
C-C	Support Members							
C3.70	Integrally Welded Support Attachments							
	Centrifugal Charging Pump 1-1 [2.3-3]	Legs A and B	MT	2	8/29/86			90% of Weld Examined (2" Pipe Penetration)



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM No. Column
(See above) Repair Organization P.O No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	1048-2SL	N/A	86-27	555	Unknown	Replacement	No*
②		1044-7V		PT85-01	556			
②		1044-7V		W007218	556			
①		1049-16SL		W007215	556			
		1049-4SL		86-27	556			

7. Description of Work ① Replaced Snubber ② Replaced Spring Can
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed Robert C. Thornberry Plant Manager February 25, 1987
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacements described in this Report on February 25, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert R. Johnson Commissions CA 1419
 (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM No. Column
(See above) Repair Organization P.O No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	1049-5SL	N/A	86-27	556	Unknown	Replacement	No*
① Hangers	Pullman	1049-2SL	N/A	86-27	557	Unknown	Replacement	No*

Remarks *Snubbers may be stamped NF
(Applicable Manufacturer's Data Reports to be attached)

① Replaced Snubber

② Replaced Spring Can



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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM No. Column
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Turbine Steam Supply (04) (Class 2)
5. (a) Applicable Construction Code See Below in Code Stamp Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S '78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② FCV-22	FISHER	168307	N/A	85-115	3918	UNKNOWN	REPAIRED	No, ASME I, '68
① FCV-760	FISHER	4933022	N/A	85-135	1040	UNKNOWN	REPLACEMENT	No, ASME I, '68
① FCV-761	FISHER	4933083	N/A	85-136	1041	UNKNOWN	REPLACEMENT	No, ASME I, '68
① FCV-762	FISHER	4933084	N/A	85-137	1041	UNKNOWN	REPLACEMENT	No, ASME I, '68
① FCV-763	FISHER	4933085	N/A	85-138	1042	UNKNOWN	REPLACEMENT	No, ASME I, '68
① RV-3	DRESSER	BM-07848	N/A	85-013	228	UNKNOWN	REPLACEMENT	No, Draft ASME III '68

7. Description of Work ① Replaced Bolting ② Machine Bonnet Seating Surface
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
N/A Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed Robert C. Thornberry Plant Manager, 19 87
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I.&I. Co.

Hartford, CT. have inspected the replacement/repair described in this Report on _____, 1987
 (Repair(s) or Replacement(s))

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____ Commissions CA 1419, NB 8694
Robert K. Johnson (State or Province, National Board)

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 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.

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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM Column
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Turbine Steam Supply (04) (Class 2)
5. (a) Applicable Construction Code (See Below - Code Stamp Column) Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S '78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① S/G Bolting	Westing-house	1043	68-14	W005444	Gen.1-3	1970	Replacement	No, ASME III '65 W 66
① S/G Bolting	"	1041	68-12	W005929	Gen.1-1	1970	Replacement	No, ASME III '65 W 66
① S/G Bolting	"	1042	68-13	W005931	Gen.1-2	1970	Replacement	No, ASME III '65 W 66
① S/G Bolting	"	1043	68-14	W005932	Gen.1-3	1970	Replacement	No, ASME III '65 W 66
① S/G Bolting	"	1041	68-12	W005365	Gen.1-1	1970	Replacement	No, ASME III '65 W 66
① S/G Bolting	"	1042	68-13	W005439	Gen.1-2	1970	Replacement	No, ASME III '65 W 66
② Steam Gen.	"	1042	68-13	85-159	Gen.1-2	1970	Repair	Yes, ASME III '65 W 66
② Steam Gen.	"	1043	68-14	85-158	Gen.1-3	1970	Repair	Yes, ASME III '65 W 66
① S/G Bolting	"	1042	68-13	85-052	Gen.1-2	1970	Replacement	No, ASME III '65 W 66
① RV223 Bolt	Dresser	BM-07867	N/A	W004268	227	Unknown	Replacement	No, Draft ASME III '68
① RV7 Bolt	Dresser	BM-07849	N/A	W004267	227	Unknown	Replacement	No, Draft ASME III '68

9. Remarks (Applicable Manufacturer's Data Reports to be attached)
- (1) Replaced Bolting (2) Weld Repaired Secondary Manway Cover



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column.
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	12-179SL	N/A	W006886	1043	Unknown	Replacement	No*
①		12-37SL		PT86146	1043			
①		12-206SL		W007033	1158			
①		16-62SL		PT86146	3917			
①		11-6SL		PT85084	593			
①		11-87SL		85-80	593			

7. Description of Work ① Replaced Snubber ② Modified existing hanger
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed Robert C. Thornberry PLANT MANAGER February 25, 19 87
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacements described in this Report on February 26, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419, NB 8694
 (State or Province, National Board)

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 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.



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

As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column.
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	11-91SL	N/A	85-85	593	Unknown	Replacement	No*
②		16-17SL		PT85-54	594			
①		16-17SL		85-83	594			
②		16-34SL		PT85-85	594			
③		16-34SL		85-85	594			
① ↓	↓	11-107SL	↓	85-85	593	↓	↓	↓

Remarks *Snubbers may be stamped NF
(Applicable Manufacturer's Data Reports to be attached)

① Replaced Snubbers

② Modified Existing Hanger



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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM Column.
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Reactor Coolant (07) (Class 1)
5. (a) Applicable Construction Code See Below (Code Stamp Edition, Column) Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S '78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② PCV-455B	Vulcan	N/A	N/A	85-047	13	Unknown	Replacement	No, B31.7 W'70 ADD
① S/G Bolting	Westing-house	1042	68-13	W006712	Gen.1-2	1970	Replacement	No, ASME III'65 W 66
① S/G Bolting	"	1043	68-14	W006715	Gen.1-3	1970	Replacement	No, ASME III'65 W 66
① S/G Bolting	"	1044	68-15	W006716	Gen.1-4	1970	Replacement	No, ASME III'65 W 66
① S/G Bolting	"	1041	68-12	W005168	Gen.1-1	1970	Replacement	No, ASME III'65 W 66
① S/G Bolting	"	1042	68-13	W005169	Gen.1-2	1970	Replacement	No, ASME III'65 W 66

7. Description of Work ① Replaced Bolting ② Replaced Valve Internals
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2250# psi Test Temp. 545 °F System max.
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed Robert C. Thornberry Plant Manager, 19 87
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacement described in this Report on _____, 19 87

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date _____ Commissions CA 1419, NB 8694
Robert K. Johnson (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date December 29, 1987
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner (See above) Repair Plan No. appears in RPMM Column.
(Repair Organization P.O No., Job No., etc.)
4. Identification of System Reactor Coolant (07) (Class 1)
5. (a) Applicable Construction Code See Below in Code Stamp Column Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S' 78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	CRN No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① S/GBolting	Westinghouse	1043	68-14	W005444	1-3	1970	Replacement	No, ASME III'65W66
① S/GBolting	"	1041	68-12	W006711	1-1	1970	Replacement	No, ASME III'65W66
① S/GBolting	"	1042	68-13	W006971	1-2	1970	Replacement	No, ASME III'65W66
③ Conoseal C	C. E.	CE66104	N/A	W00079	---	Unknown	Replacement	
④ W-459	Vulcan	691095-208	N/A	85-03	24	Unknown	Replacement	No, B31.7W'70 ADD

Remarks: (Applicable Manufacturer's Data Reports to be attached)
① Replaced primary manway bolting ② Replaced internals
③ Replaced 5 conoseal clamps



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant System (07) (Class 1)
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Required or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	10-78SL	N/A	W006974	1140	Unknown	Replacement	No*
②		10-49R		PT86070	1141			
②		11-119R		PT86064	1141			
①		10-76SL		W006241	1145			
①		12-86SL		W006245	1151			
		12-223SL		W007070	1152			

7. Description of Work ① Replaced Snubber ② Replaced snubber with rigid support
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed Robert C. Thornberry PLANT MANAGER February 25, 19 87
 (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 of Province of California, employed by H.S.B.I. & I. Co of Hartford, CT. have inspected the replacements described in this Report on February 26, 19 87 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419
 (Inspector) (State or Province, National Board)

Notes: 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 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.



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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant System (07) (Class 1)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	12-15SL	N/A	PT86145	1158	Unknown	Replacement	No*
①		12-206ASL		W007250	1158			
①		12-91SL		W006197	1159			
②		11-73R		PT86067	1170			
②		10-129SL		PT86145	14			
②		10-41R		PT86068	14			
②		11-102R		PT86093	14			
①		11-103ABS		W007348	14			
②		11-137R		PT86093	14			
②		11-19R		PT86068	14			
②		11-100R		PT86087	15			
②		11-134SL		W007080	15			
①		11-144R		PT86089	15			
②		11-150R		PT86066	15			
②		22-45R		PT86086	3101			
③		48-1		PT86088	3102			
②		22-385R		PT86072	3488			
①		12-21SL		W006271	3495			

Remarks *Snubbers may be stamped NF
(Applicable Manufacturer's Data Reports to be attached)

- ① Replaced Snubber
- ② Replaced Snubber With Rigid Support
- ③ Gap Modification by Grinding

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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2

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

3. Work Performed by Owner Repair Plan No. appears in RPMM Column
(See Above) Repair Organization P.O No., Job No., etc.

4. Identification of System Chemical and Volume Control (08) (Class 1 & 2)

5. (a) Applicable Construction Code See Below in Code Station Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S '78 Addenda, Code Cases N/A

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

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Valve 8446B	Grinnel	N/A	N/A	86-033	72	Unknown	Replacement	No, B31.7W'70 ADD
① RCP SW FLG	Westinghouse	N/A	N/A	W001797	54 & 58	Unknown	Replacement	No, B31.7W'70 ADD
① RCP SW FLG		N/A	N/A	W002068	56 & 60	Unknown	Replacement	No, B31.7W'70 ADD
① RCP SW FLG		N/A	N/A	W002054	55 & 59	Unknown	Replacement	No, B31.7W'70 ADD
① RCP SW FLG		N/A	N/A	W002089	57 & 61	Unknown	Replacement	No, B31.7W'70 ADD
① Valve 8149C	Vulcan	9500115632	N/A	W005897	403	Unknown	Replacement	No, B31.7W'70 ADD

7. Description of Work ① Replaced Bolting

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
 Lines 54, 55, 56, 57 = Pressure 2565# Oil Test Temp. 130 °F System Max.

9. Remarks Lines 72, 58, 59, 60, 61, 403 testing not applicable.
*Testing not applicable.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed Robert C. Thornberry Plant Manager February 25, 1987
 (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 of Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacement described in this Report on February 26, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert R. Johnson Commissions CA 1419
 (State or Province, National Board)

Notes: 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 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.



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

1. Owner: Pacific Gas and Electric Company Date: December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet: 2 of 2
2. Plant: Diablo Canyon Power Plant Unit: #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by: Owner Repair Plan No. appears in RPMM Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System: Chemical and Volume Control System (08) (Class 1 and 2)
5. (a) Applicable Construction Code: See below (Code Stamp Column) Addenda, Code Cases: N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements -- 1977, S '78 Addenda, Code Cases: N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Valve8446B	Grinnel	Unknown	N/A	W007077	72	Unknown	Replacement	No, B31.7W'70 ADD
① Valve8149A	Vulcan	Unknown	N/A	W005876	401	Unknown	Replacement	No, B31.7W'70 ADD
② Valve8121	Crosby	Unknown	N/A	W007249	883	Unknown	Replacement	No, B31.7W'70 ADD
① FT-113	Pullman	N/A	N/A	86-026	733	Unknown	Replacement	No, B31.7W'70 ADD

Remarks: ① Replaced Bolting ② Replaced Disk and Seat
(Applicable Manufacturer's Data Reports to be attached)
Lines 72, 401, 883, 733 testing not applicable.



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 3
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(see above) Repair Organization P.O No., Job No., etc.
4. Identification of System Chemical and Volume Control System (08) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	22-58R	N/A	PT86092	1479	Unknown	Replacement	No*
①		2155-109		PT86044	1482			
②		2155-120		PT86-63	1482			
③		47-50		PT86065	1496			
④		2155-57		PT86-77	55			
		22-216R		PT86071	2527			

7. Description of Work ① Replaced Snubber with Rigid ② Modified Gaps ③ Modified Support w/o Welding
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other ④ Modified Clearances
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed Robert C. Thornberry PLANT MANAGER February 25, 19 87
(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 of Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacements described in this Report on February 26, 19 87
(Repairs) or Replacement(s)
 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date February 26, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

1) 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 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.



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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 3
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column.
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Chemical and Volume Control System (08) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfr. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	22-24SL	N/A	PT86146	26	Unknown	Replacement	No*
①		12-73SL		W006977	3790			
②		12-191R		PT8674	401			
①		12-115SL		W006975	402			
②		12-116SL		W006978	402			
①		12-192R		PT8675	402			
①		12-118SL		PT86146	403			
①		12-119SL		W006475	403			
②		12-193R		PT8676	403			
①		22-557SL		W007062	404			
②		4-36R		PT8623	42			
①		4-38SL		W005555	43			
①		4-3SL		W005774	44			
②		4-35R		PT8622	44			
①		12-67SL		W006452	48			
①		12-71SL		W006457	48			
①		4-15SL		W005773	48			
①		4-16SL		W005791	48			
①		12-81SL		W006713	50			
①		12-82SL		W006717	50			
②	↓	22-398R	↓	PT86069	51	↓	↓	↓

Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

- ① Replaced Snubber.
 ② Replaced Snubber with Rigid



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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 3 of 3
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column.
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Chemical Volume Control System (08) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Id. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② Hanger	Pullman	22-399R	N/A	PT86069	51	Unknown	Replacement	No*
①		22-61SL		W006367	51			
②		22-62R		PT86090	51			
①		22-213SL		W006069	54			
②		22-539SL		W006115	54			
②		2152-20		PT86091	55			
③		2155-172		PT8678	55			
②		2155-274		PT8681	56			
①		22-150SL		W005827	57			
①		22-512SL		PT86146	58			
①		22-514SL		PT86146	58			
②		2-243SL		PT8651	60			
①	↓	15-39SL	↓	PT86146	746	↓	↓	↓

Remarks *Snubbers may be stamped NF.
(Applicable Manufacturer's Data Reports to be attached)

① Replaced Snubbers ② Replaced Snubber with Rigid Support
③ Modified Clearances



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
(Name)
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
(Address)
2. Plant Diablo Canyon Power Plant Unit #1
(Name)
P. O. Box 56, Avila Beach, CA. 93424
(Address)
3. Work Performed by Owner Repair Plan No. appears in RPMM Column
(Name) Repair Organization P.O. No., Job No., etc.
(See above)
4. Identification of System Safety Injection (09) (Class 1 and 2)
(Address)
5. (a) Applicable Construction Code See below in Code stamp column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S' 78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, - or Replacement	ASME Code Stamped (Yes or No)
① FE-976	Vicery Sim	N/A	N/A	85-070	3857	Unknown	Replacement	No, B31.7W'70 ADD
② Valve8954A	Edward	Unknown	N/A	85-84	(LT-951)	Unknown	Repair	No, B31.7W'70 ADD

7. Description of Work 1 Replaced bolting 2 Seal welded bonnet
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
N/A Pressure psi Test Temp. °F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed Robert C. Thornberry Plant Manager February 25, 19 87
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT have inspected the repair/replacement described in this Report on February 26, 1987
(Repairs) or Replacement(s)

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column.
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition, N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② Hangers	Pullman	15-64R	N/A	PT8626	1984	Unknown	Replacement	No*
②		4-94R		PT8624	1988			
②		4-95R		PT8624	1988			
①		12-121SL		W005713	1990			
①		12-122SL		W005664	1990			
		12-123SL		W005704	1990			

7. Description of Work ① Replaced Snubber ② Replaced Snubber with Rigid Support
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF.
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed Robert C. Thornberry PLANT MANAGER February 25, 19 87
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the replacements described in this Report on February 26, 19 87

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage, or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419
 (Inspector) (State or Province, National Board)

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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM No. Column
(See above) Repair Organization P.O No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19-27, S-78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Ed. No.	No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② Hangers	Pullman	2156-65	N/A	PT8680	1992	Unknown	Replacement	No*
①		22-202SL		W005623	1992			
①		22-203SL		PT86145	1992			
①		22-545SL		W006999	1993			
		12-92SL		W005709	1995			
		22-146SL		W006619	2001			
③		85N-33R		PT85044	221			
①		4-34SL		W005793	222			
①		22-318SL		W005708	3858			
①		10-72SL		W006547	3863			
②	↓	2151-214	↓	PT8637	3863	↓	↓	↓

Remarks *Snubbers may be stamped NF
 (Applicable Manufacturer's Data Reports to be attached)

① Replaced Snubber
 ② Replaced Snubber with Rigid Support
 ③ Welded Shims in Place



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 2
(Name) (Address)
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 94106
(Name) (Address)
3. Work Performed by Owner Repair Plan No. appears on RPMM No. Column
(See above) (Name) (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal (10) (Class 1 and 2)
(Address)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfra. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② Hangers	Pullman	55S-167A	N/A	PT8632	119	Unknown	Replacement	No*
①		22-233SL		W005703	1662			
①		4-7SL		W007863	1663			
②		56S-26R		PT8638	735			

7. Description of Work ① Replaced Snubber ② Replaced Snubber with Rigid Support
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
(Repair or replacement)

Signed Robert C. Thornberry Plant Manager February 25, 19 87
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of

Hartford, CT. have inspected the replacements described in this Report on February 26, 1987
(Repairs or Replacement(s))

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

- 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 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.

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

1. Owner Pacific Gas and Electric Corporation Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 2 of 2
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
 (See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal (10) (Class 1 and 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hangers	Pullman	4-05SL	N/A	W006357	930	Unknown	Replacement	No*
②		4-42R		PT86-17	930			
①		4-44SL		W006718	930			
②		4-46R		PT86-17	930			
↓	↓	14-09SL	↓	W006301	931	↓	↓	↓

Remarks *Snubbers may be stamped NF.
 (Applicable Manufacturer's Data Reports to be attached)

① Replaced Snubber ② Replaced Snubber with Rigid Support



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. appears in RPMM Column.
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Containment Spray (12) (Class 2)
5. (a) Applicable Construction Code See below in Code Stamp Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S '78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① FE-931	Pullman	N/A	N/A	PT8517	264	Unknown	Replacement	No, B31.7W'70 ADD
① FE-932	Pullman	N/A	N/A	PT8517	265	Unknown	Replacement	No, B31.7W'70 ADD
② Valve 9011A	A/D	Unknown	N/A	W006889	325	Unknown	Repair	No, B31.7W'70 ADD

7. Description of Work ① Replaced flow element ② Machined gasket surface.
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other
N/A Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed Robert C. Thornberry Plant Manager February 25, 1987
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co. of Hartford, CT. have inspected the repair/replacement described in this Report on February 26, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert H. Johnson Commissions CA 1419
 (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date December 29, 1986
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit #1
P. O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Containment Spray System (12) (Class 2)
5. (a) Applicable Construction Code N/A 19 N/A Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM NO.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
② Hangers	Pullman	15-63R	N/A	PT86-27	2520	Unknown	Replacement	No*
①		16-27SL		W005833	264			
①		16-79SL		W006563	264			

7. Description of Work ① Replaced Snubber ② Replaced Snubber with Rigid Support
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks *Snubbers may be stamped NF.
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.

Signed Robert C. Thornberry PLANT MANAGER February 25, 1987
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by H.S.B.I. & I. Co.

Hartford, CT. have inspected the replacements described in this Report on February 26, 1987

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date February 26, 1987 Robert K. Johnson Commissions CA 1419
 (Inspector) (State or Province, National Board)

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SUPPLEMENTAL PRESERVICE NIS2 REPORTS

During preparation of the Unit 1 Preservice Inspection Report, only work packages that had received final review by the Authorized Nuclear Inspector were included on the NIS-2 forms. Subsequently these packages were reviewed, and are reported on the following Supplemental Preservice NIS-2 Reports.



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SUPPLEMENTAL PRESERVICE

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

As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code ASME III 1974 Edition 1975 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Valve 369	BorgWarner	Unknown	N/A	84-036	569	Unknown	Repair	No
① Valve 370	BorgWarner	Unknown	N/A	84-036	575	Unknown	Repair	No
① Valve 371	BorgWarner	7578	N/A	84-036	570	Unknown	Repair	No
① Valve 372	BorgWarner	7580	N/A	84-036	571	Unknown	Repair	No

7. Description of Work ①Machined bonnet seating surface.
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed John M. Gisclon Asst. Plant Manager March 20, 1987
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the repair described in this Report on March 20, 19 87
(Repairs) or Replacements)

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage, or a loss of any kind arising from or connected with this inspection.

Date March 20, 1987 Robert K. Robinson Commissions CA 1419
(State or Province, National Board)

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 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.



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SUPPLEMENTAL PRESERVICE

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

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Bechtel Power Corp. Repair Plan No. Appears in RPMM No. Column
P.O. Box 670, Avila Beach, CA. Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant (07) (Class 1)
5. (a) Applicable Construction Code ANSI B31.7-1969 Edition, 1970 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Snubber	Bechtel	11-126SL	N/A	PT84-47	1195	Unknown	Replacement	No

7. Description of Work ① Modified existing snubber.
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
Signed John M. Gisclon Asst. Plant Manager March 20, 1987
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the replacement described in this Report on March 20, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date March 20, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

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 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.



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SUPPLEMENTAL PRESERVICE

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

As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O No., Job No., etc.
4. Identification of System Reactor Coolant (07) (Class 1)
5. (a) Applicable Construction Code Draft P&V 19 68 Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① RV-8010B	Crosby	7823-4	N/A	83-056	728	Unknown	Replacement	No
② RV-8010B	Crosby	F9168	N/A	83-060	728	Unknown	Replacement	No

7. Description of Work ① Replaced Disk ② Replaced Valve
8. Tests Conducted: ② Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure 2500 psi Test Temp. 668 °F system max.
9. Remarks ① No tests conducted, replacement valve placed in warehouse stock.
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this replacement conforms to Section XI of the ASME Code.
 Signed John M. Giscion Asst. Plant Manager March 20, 19 87
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the replacement described in this Report on March 20, 19 87 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date March 20, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Chemical and Volume Control (08) (Class 2)
5. (a) Applicable Construction Code ANSI B31.719 69 Edition 1970 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Snubber	Pullman	12-105SL	N/A	84-062	404	Unknown	replacement	No

7. Description of Work Replaced bolting
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed John M. Gisclon Asst. Plant Manager March 20, 19 87
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the replacement described in this Report on March 20, 19 87
(Repairs or Replacements)

and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date March 20, 1987 Robert K. Johnson Commissions CA 1419
(Inspector) (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 2)
5. (a) Applicable Construction Code ANSI B31.7 1969 Edition, 1970 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Ed. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Socket Weld	Pullman	N/A	N/A	84-057	1833	Unknown	repair	No

7. Description of Work ① Weld repaired socket weld.
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed John M. Gisclon Asst. Plant Manager March 20, 1987
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the repair described in this Report on March 20, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date March 20, Robert K. Johnson Commissions CA 1419
 (State or Province, National Board)

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 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.



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

1. Owner Pacific Gas and Electric Company Date March 20, 1987
77 Beale Street, San Francisco, CA. 94106 Sheet 1 of 1
2. Plant Diablo Canyon Nuclear Power Plant Unit 1
P.O. Box 56, Avila Beach, CA. 93424
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(See Above) Repair Organization P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal (10) (Class 2)
5. (a) Applicable Construction Code Draft P&V 1968 Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line No.	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Valve 8730A	Aloyco	69S8291	N/A	84-038	112	Unknown	Repair	No

7. Description of Work ① Weld repaired valve body
8. Tests Conducted: NA Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this repair conforms to Section XI of the ASME Code.
 Signed John M. Gisclon Asst. Plant Manager March 20, 1987
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I Co. of Hartford, CT. have inspected the repair described in this Report on March 20, 1987 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date March 20, 1987 Robert K. Johnson Commissions CA 1419
(State or Province, National Board)

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 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.



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING SUPPORT MEMBERS
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM LINE NO. & ISI DRWG	IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING</u> <u>Support Members</u>							
C3.40	Integrally Welded Support Attachments							
	Steam Gen Steam Outlet 1-2 K-15-227-28V [2.2-22]	Hgr.1022-1V	MT	1	9/4/86			
	Steam Gen Steam Outlet 1-3 K-15-226-28V [2.2-23]	Hgr.1026-1V	MT	1	9/6/86			
	Steam Gen Steam Outlet 1-4 K-15-225-28V [2.2-24]	Hgr.1028-1V	MT	1	9/5/86			



FIRST INSERVICE INSPECTION REPORT
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING BOLTING & CIRC. WELDS
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>PIPING</u>							
C-D	<u>Pressure Retaining Bolting Greater Than 2 Inch. Diameter</u>							
C4.30	Pumps, Bolts and Studs							
	Safety Inj Pump 1-1	Casing Bolts	UT	8	10/23/86			
C-F	<u>Pressure Retaining Welds In Piping</u>							
		LINE NO. AND ISI DWG.						
C5.20	Piping Welds Over $\frac{1}{2}$ Inch Nominal Wall							
C5.21	Circumferential Weld							
	RC Pps Barrier CCW Ret. Hdr.	K17-1357-6 [2.2-37]	UT MT	6 6	10/22/86 9/10/86			Weld 1357E 90% Examined, proximity of permanent support

