

ENCLOSURE

**INSERVICE INSPECTION REPORT FOR
THE UNIT 1 SIXTH REFUELING OUTAGE**

9408100320 940803
PDR ADOCK 05000275
G 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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**This report is submitted as required by ASME Boiler and Pressure Vessel Code,
Section XI, To the United States Nuclear Regulatory Commission.**



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INTRODUCTION



SECTION A

INTRODUCTION

Inservice inspection (ISI) of scheduled ASME Section XI Class 1 and 2 components and their supports at Pacific Gas and Electric Company's Diablo Canyon Power Plant (DCPP) Unit 1 was completed during the sixth refueling outage from March through May, 1994. The DCPP Unit 1 sixth refueling outage (1R6) was the second outage in the third period within the first 10-year ISI interval.

This report is submitted as required by ASME Section XI, paragraph IWA-6220, and is organized in several sections. A summary of 1R6 ISI results is provided below. Section B contains the completed ASME Code Data Report Form NIS-1 for Class 1 and 2 components. Sections C and D detail the Class 1 and 2 examinations performed, date of examination (for group items or for more than one type of examination performed, the date provided is the most recent examination date), any unusual conditions noted, corrective actions if required, and explanatory remarks.

System pressure tests on Class 1 and 2 systems conducted during 1R6 are reported in Section E.

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

Section G of this report, Repairs and Replacements, contains the completed ASME Code Data Report Form NIS-2 for those 1R6 work activities completed prior to June 22, 1994 and for any pre-1R6 work packages closed after December 15, 1992. NIS-2 reports for 1R6 work packages which are closed after June 22, 1994 will be included in the next outage report. Corrective actions and work order package documentation are on file at DCPP and are referenced by work order number in the NIS-2 reports.

As required by relief request NDE-008, Section H of this report provides a list of Class 1 and 2 pipe welds having limited accessibility to NDE, a description of the obstruction, basis for the limitation, and percentage of weld accessibility based on the refueling outage examination results. Section H updates NDE-008 of the Unit 1 ISI Program Plan, Revision 8. Seven (7) limited accessible welds have been added to relief request NDE-008 as a result of the sixth refueling outage examinations and subsequent to the NRC SER dated September 21, 1992. Therefore, NRC approval is required for PG&E to credit limited examinations of the following welds: WIB-RC-1-18SE, WIB-RC-2-20SE, WIB-RC-3-18SE, WIB-RC-4-18SE, WIB-RC-2-20, WIB-RC-3-13, WIB-RC-4-13. These welds are required to be inspected once every 10 years. To ensure compliance with the periodic inspection schedule provided in ASME Section XI Table IWB-2412-1, NRC approval of these welds for inclusion into the relief request NDE-008 is required prior to the end of the third 3-1/3 year period (plus one-year extension), i.e., by May 7, 1996. The ISI Program Plan will be revised to incorporate updated NDE-008 following NRC approval.



SUMMARY OF 1R6 ISI ASSOCIATED ACTIVITIES

Eddy Current examinations were performed on all steam generator heat exchanger tubes. A total of 68 steam generator tubes required plugging as a result of these examinations.

Steam generator feed water piping was replaced on all four steam generators, between the inlet nozzle and the first upstream elbow using a forged fitting designed to eliminate thermal sleeve leading edge erosion.

Much of the RTD Bypass piping was eliminated and new thermal wells were installed in the RCS piping.

A rejectable surface indication was detected in a 1.5 inch Class 1 socket weld, WIB-71. An expanded scope examination was performed on 10 additional socket welds. No recordable indications were observed during the expanded scope examinations.

Rejectable indications were observed on one steam generator outlet nozzle during MT examinations. These indications were ground out. An expanded scope examination was performed on the three remaining nozzles. No recordable indications were observed in the three other nozzles.



Section B
ASME Code Data Report Form NIS-1



FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Pacific Gas & Electric Company, 77 Beale St., San Francisco, CA 94106
(Name and Address of Owner)
2. Plant Diablo Canyon, 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 ASME CODE CLASS 1 ITEMS

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

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 3-94 to 5-94 9. Inspection Interval from 5th to 6th Refueling Outage
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 July 14 19 94 Signed PGFE By Christopher Johnson
Owner
Plant Engineering Director

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 3-94 to 5-94, 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 July 14 19 94
Kenny D. Kim Commissions CA 1826, NB 9990
Inspector's Signature National Board, State, Province and No.
Kenny D. Kim



FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Pacific Gas & Electric Company, 77 Beale St., San Francisco CA 94106
 (Name and Address of Owner)

2. Plant Diablo Canyon, 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 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
Steam Gen. 1-4	Westinghouse	1044	N/A	68-15
RHR Ht. Exch. 1-2	Engineers And Fabricators Co.	S15588B	N/A	N/A
S. I. Pump 1-2	Pacific Pumps	45498	N/A	N/A
Class 2 Piping	M. W. Kellogg/ Pullman Power	N/A	N/A	N/A
Class 2 Piping	Various	N/A	N/A	N/A
Class 2 Supports	Various	N/A	N/A	N/A

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)

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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 July 14 19 94 Signed PG&E By Christopher M. [Signature]
Owner
 Plant Engineering Director
 Certificate of Authorization No. (if applicable) N/A Expiration Date N/A

CERTIFICATE OF INSERVICE INSPECTION

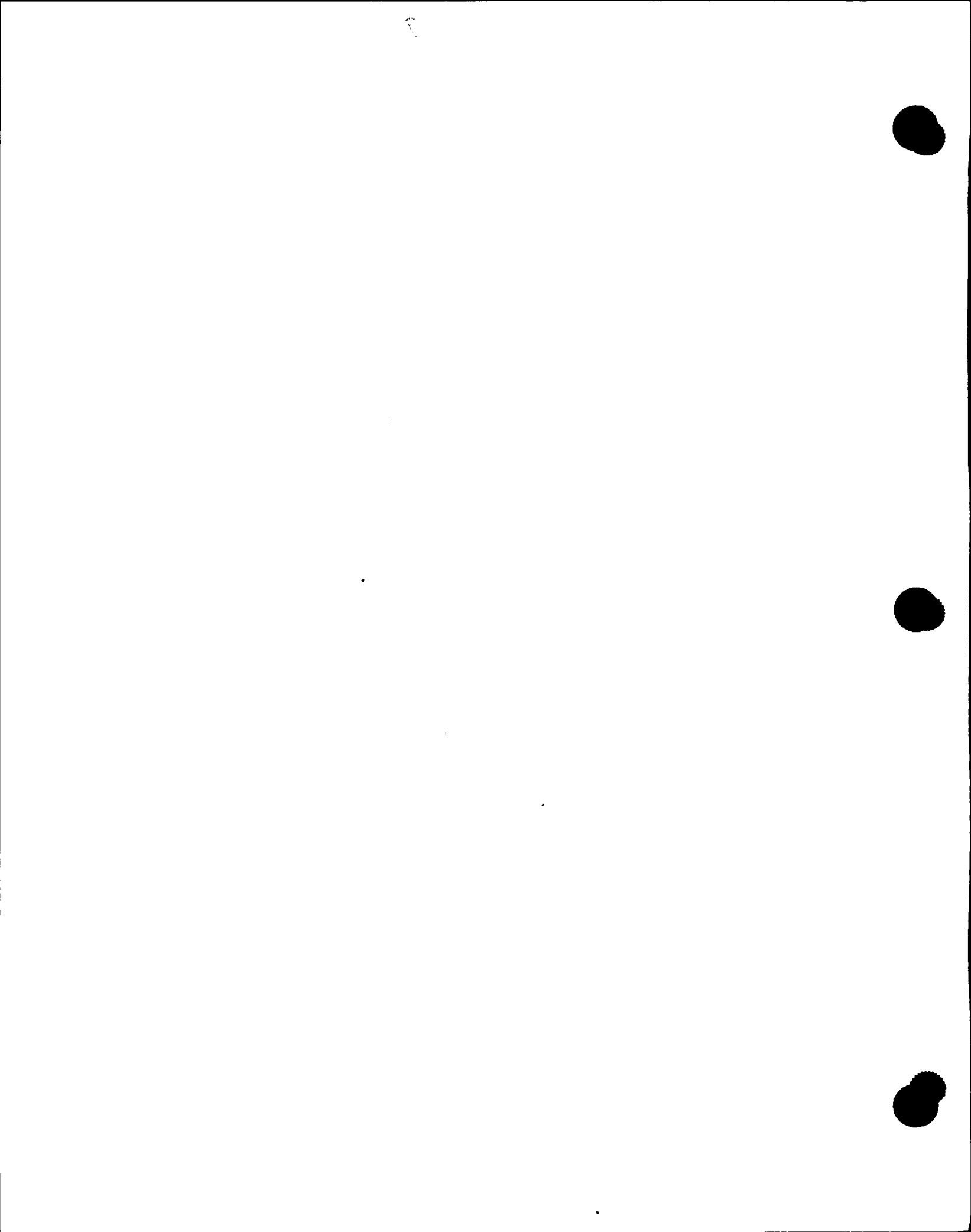
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by H.S.B.I. & I. Co. of Hartford Ct. have inspected the components described in this Owners' Data Report during the period 3-94 to 5-94, 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 July 14 19 94
Kenny D. Kim Commissions CA 1828, NB 9990
 Inspector's Signature National Board, State, Province and No.
 Kenny D. KIM



Section C
Class 1 Components



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Reactor Vessel
TABLE: 1.1
PAGE : 1 of 1

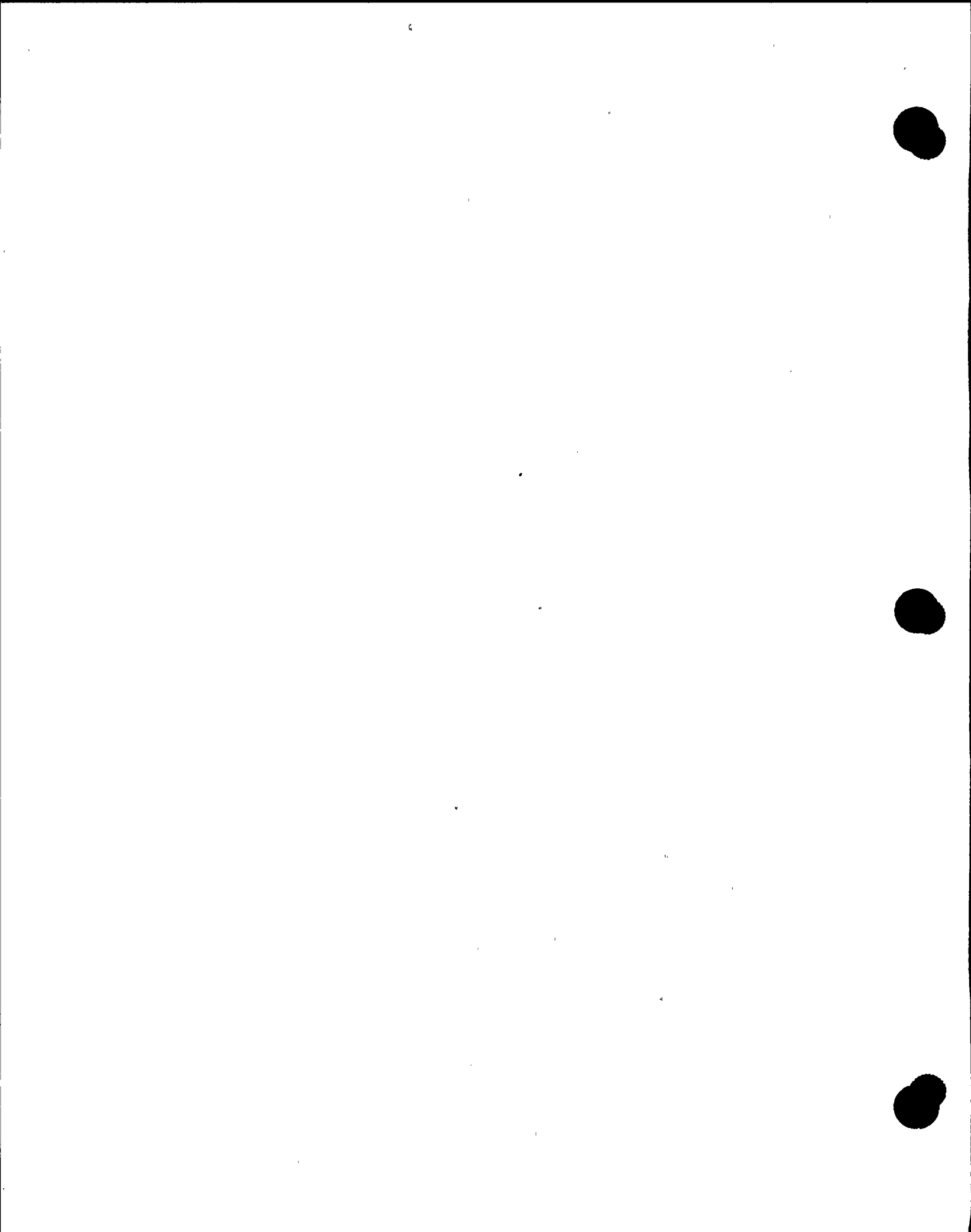
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Reactor Vessel</u>					
B-G-1	<u>Pressure Retaining Bolting (Larger Than 2-Inch Dia)</u>					
B6.10	<u>Closure Head Nuts</u>	RPV Stud Nuts No. 37 thru 54	MT	18 Nuts	Examined 100%	03/30/94
B6.30	<u>Closure Studs</u>	RPV Studs No. 37 thru 54	UT & MT	18 Studs	Examined 100%	03/29/94
B6.40	<u>Flange Ligaments Stud Holes in Flange</u>	Threads No. 37 thru 54	VT-1	18 Holes	Examined 100%	03/15/94
B6.50	<u>Closure Washers</u>	RPV Stud Washer No. 37 thru 54	VT-1	18 Washers	Examined 100%	03/29/94
	<u>Part Length CRDMs (Bolts, Studs, & Nuts)</u>					
		7 Part Length CRDMs with 6 Bolts each	VT-1	42 Bolts	Examined 100%	04/12/94
B-0	<u>Pressure Retaining Welds in Control Rod Housings</u>					
B14.10	Welds in CRD Housing	CRDM E-3, C-5, C-3	PT	3 Welds 360°	Examined 100%	03/16/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Pressurizer
TABLE: 1.2
PAGE : 1 of 1

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Pressurizer Vessel</u>					
B-B	<u>Pressure Retaining Welds in Vessels other than Reactor</u>					
B2.11	- Circumferential -					
	Upper Course to Top Head	<u>Weld No.</u> <u>Girth 5</u>	UT	97" 34%	98% Coverage due to Welded Pads, manway, and 1" lines.	04/04/94
B-G-1	<u>Pressure Retaining Bolting</u>					
B-G-2	<u>Pressure Retaining Bolting (2 Inch Dia and less)</u>					
B7.20	Upper Head	Manway Bolting	VT-1	16 Bolts	Examined 100% in place	03/22/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Steam Generators
TABLE: 1.3
PAGE : 1 of 3

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Steam Generators</u>					
B-B	<u>Pressure Retaining Welds in Vessels other than Reactor</u> Steam Generators (Primary Side)					
B2.40	<u>Tubesheet to Head Welds</u>	<u>Weld No.</u>				
	Steam Generator 1-1 (Serial No. 1041)	Channel W 1-1	UT	12' 34%	90% Coverage due to Welded Pads	04/07/94
	Steam Generator 1-4 (Serial No. 1044)	Channel W 4-1	UT	12' 34%	90% Coverage due to Welded Pads	04/06/94
B-Q	<u>Steam Generator Tubing</u>					
			ET			03/94
B16.20	U-Tube Design Steam Generator					

BOBBIN COIL EXAMINATION					
Extent	S/G 1-1	S/G 1-2	S/G 1-3	S/G 1-4	LEG
TEH TO TEC	2907	2923	2922	2924	COLD
7C TO TEC	184	173	186	188	COLD
7H TO TEC	270	272	272	272	COLD
ITH TO TEC	16	N/A	N/A	N/A	COLD
ITH TO TEH	16	N/A	N/A	N/A	HOT
7H TO TEH	454	445	458	460	HOT



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Steam Generators
TABLE: 1.3
PAGE : 2 of 3

COMPONENT OR SYSTEM

Steam Generators (Cont'd)

ROTATING PANCAKE COIL EXAMINATION					
Extent	S/G 1-1	S/G 1-2	S/G 1-3	S/G 1-4	LEG
7H TO 7C	184	173	186	188	COLD
TSH TO TSH	753	746	777	761	HOT
1H TO 1H	10	0	34	87	HOT
2H TO 2H	8	12	12	28	HOT
3H TO 3H	4	11	6	32	HOT
4H TO 4H	1	9	5	42	HOT
5H TO 5H	0	8	15	15	HOT
6H TO 6H	1	1	11	85	HOT
7H TO 7H	16	6	20	82	HOT
TSH TO TEH	17	0	0	1	HOT
ITH TO ITH	16	N/A	N/A	N/A	HOT
4H TO 3H	1	0	1	0	HOT
6H TO 5H	0	1	0	0	HOT
2H TO 1H	0	1	0	0	HOT
1H TO TSH	0	0	2	0	HOT
2H TO 1H	0	0	1	0	HOT
3H TO 2H	0	0	3	1	HOT
6H TO 5H	0	0	2	0	HOT
7H TO 6H	0	0	2	0	HOT
1C TO 1C	2	6	5	1	COLD
2C TO 2C	1	2	1	4	COLD
3C TO 3C	0	0	1	1	COLD
4C TO 4C	1	0	1	0	COLD
5C TO 5C	0	0	1	0	COLD
6C TO 6C	1	0	1	0	COLD
7C TO 7C	0	0	3	0	COLD
7C TO 6C	0	0	0	1	COLD
TSC TO TEC	0	0	0	1	COLD



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Steam Generators
TABLE: 1.3
PAGE : 3 of 3

COMPONENT OR SYSTEM

Steam Generators (Cont'd)

PLUGGED TUBES Outage	S/G 1-1	S/G 1-2	S/G 1-3	S/G 1-4	Total
1R1 - 1R5	11	20	8	4	43
1R6 ONLY	21	36	4	7	68
Total	32	56	12	11	111



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Piping (S.E.) Welds (B-F)TABLE: 1.4PAGE : 1 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-F	<u>Pressure Retaining Dissimilar Metal Welds</u>					
B5-50	<u>Piping-Safe End Welds Reactor Vessel</u>					
		Weld No. & Line No.				
	Inlet Nozzle Loop 1 (7-30) [1.4-1]	WIB-RC-1-18SE *9-27.5SPL	UT	360°	WIB-RC-1-18SE (UT) 40% exam coverage due to fixed insulation near weld	03/25/94
	Inlet Nozzle Loop 2 (7-31) [1.4-2]	WIB-RC-2-20SE *10-27-5SPL	PT UT	360°	100% exam coverage (PT) 75% exam coverage (UT) due to fixed insulation near weld	03/21/94 03/25/94
	Inlet Nozzle Loop 3 (7-31A) [1.4-3]	WIB-RC-3-18SE *11-27.5SPL	PT UT	360°	100% exam coverage (PT) 75% exam coverage (UT) due to fixed insulation near weld	03/21/94 03/25/94
	Reactor Vessel Inlet Nozzle Loop 4 (7-30A) [1.4-4]	WIB-RC-4-18SE *12-27.5SPL	PT UT	360°	100% exam coverage (PT) 75% exam coverage (UT) due to fixed insulation near weld	03/21/94 03/25/94

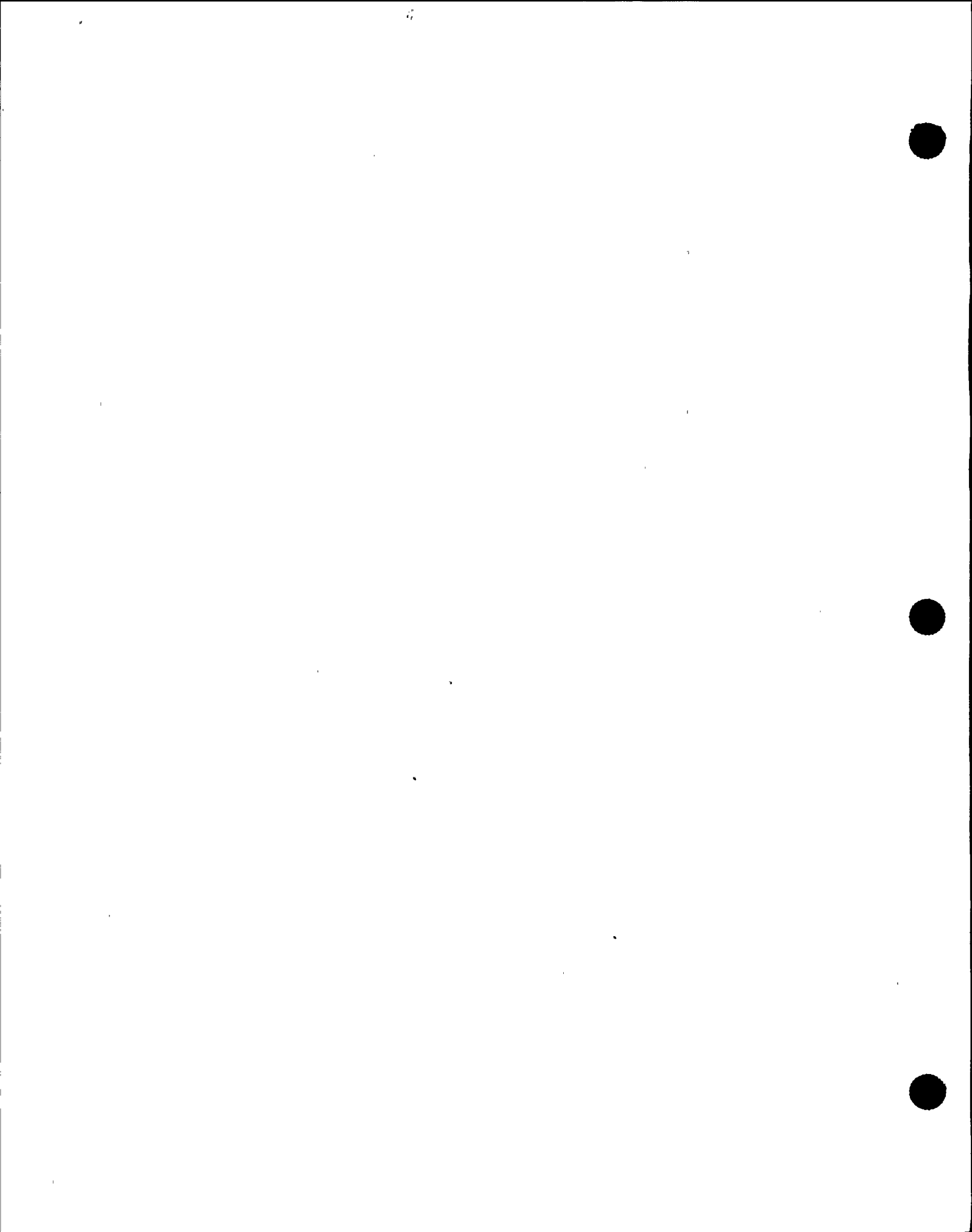


THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Piping (S.E.) Welds (B-F)

TABLE: 1.4
PAGE : 2 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-F	<u>Pressure Retaining Dissimilar Metal Welds (Cont'd)</u>					
	<u>Pressurizer</u>	<u>Weld No. & Line No.</u>				
	Pzr Spray Line (7-9) [1.4-29]	WIB-374SE S6-15-4SPL	PT	360°	Examined 100%	04/09/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1
MAJOR ITEM: Piping Bolting (B-G)TABLE: 1.4PAGE : 3 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-G	<u>Piping</u>					
B-G-2	<u>Pressure Retaining Bolting (2-Inch Dia. & Less)</u>					
B7.50	<u>Bolts, Studs, and Nuts</u>					
	<u>6-Inch Diameter Piping</u>	<u>Line No. & Valve No.</u>		<u>Flange Bolting</u>		
	Pressurizer RV-8010C Inlet (7-29) [1.4-23]	S6-727-6 RV-8010C	VT-1	12 Studs & 24 Nuts	Examined 100%	03/29/94
	<u>1.5-Inch Diameter Pipe</u>					
	Reac Cool Pp 4 Seal Wtr In (8-741) [1.4-45]	S6-57-1.5	VT-1	4 Studs & 8 Nuts	Examined 100%	03/30/94
	Boron Inj Tk Out Loop 4 C.L. (9-212) [1.4-64]	S6-1994-1.5 FE-927	VT-1	4 Studs & 8 Nuts	Examined 100%	03/29/94



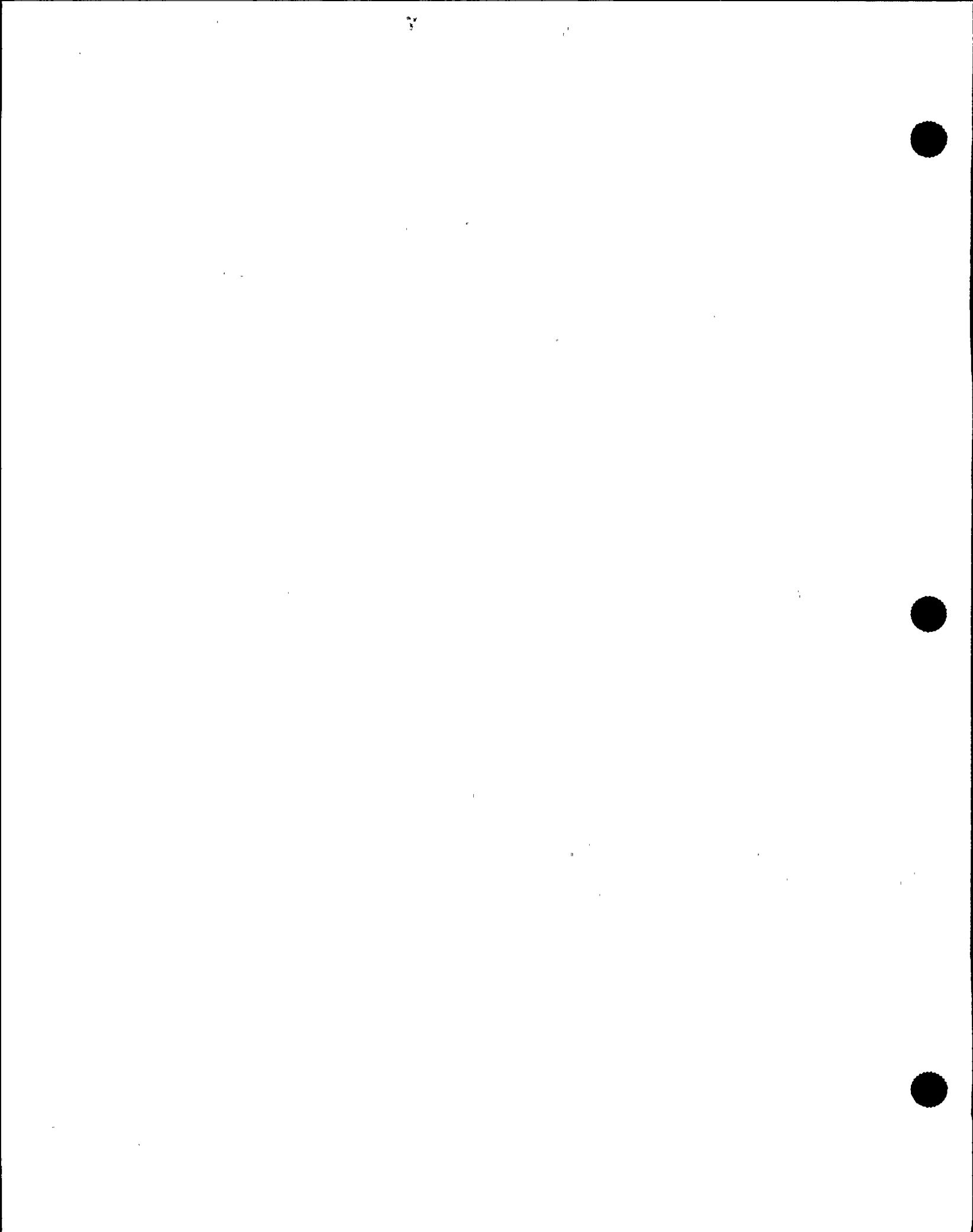
THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1
MAJOR ITEM: Piping Welds (B-J)TABLE: 1.4PAGE : 4 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B9.11 B-J	<u>Circumferential Welds</u> <u>Piping - 4-Inch and Greater</u>					
B9.11	<u>27.5-Inch Nom. Diameter</u>	<u>Line No.</u> <u>ISI Dwg. No.</u>				
	Reactor Coolant Pump Disch Loop 2 (7-31)	*10-27-5SPL [1.4-2]	UT	1 Weld 360°	WIB-RC-2-20 100% (UT) 75% exam coverage due to weld configuration and taper	03/25/94
	Reactor Coolant Pump Disch Loop 3 (7-31A)	*11-27.5SPL [1.4-3]	PT & UT	1 Weld 360°	WIB-RC-3-13 100% (PT) 25% exam coverage (UT) due to RCP Nozzle Taper	03/28/94 03/30/94
	Reactor Coolant Pump Disch Loop 4 (7-30A)	*12-27.5SPL [1.4-4]	PT & UT	1 Weld 360°	WIB-RC-4-13 100% (PT) 25% exam coverage (UT) due to RCP Nozzle Taper	03/28/94 03/30/94
B9.11	<u>14-Inch Nom. Diameter</u>					
	Loop 4 Hot Leg Before V-8701 (10-11)	S6-1665-14SPL [1.4-7]	PT & UT	2 Welds 360°	WIB-248 Examined 100% WIB-245 Examined 100%	(PT) 03/24/94 (UT) 04/03/94 (PT) 04/24/94 (UT) 04/24/94
B9.11	<u>6-Inch Nom. Diameter</u>					
	Safety Inj Loop 2 Hot Leg (10-18)	S6-236-6SPL+ [1.4-14]	PT & UT	1 Weld 360°	WIB-79 Examined 100%	(PT) 03/22/94 (UT) 03/23/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1
MAJOR ITEM: Piping Welds (B-J)TABLE: 1.4PAGE : 5 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B9.11	<u>6-Inch Nom. Diameter (Cont'd)</u>	<u>Line No. & ISI Dwg. No.</u>				
	RHR Pp 1-1 Inj Cold Leg 1 (9-16,17) (9-26,226)	S6-3844-6SPL [1.4-17]	PT & UT	1 Weld 360°	WIB-53 Examined 100%	(PT) 03/23/94 (UT) 03/24/94
	RHR Pp 1-1 Inj Cold Leg 2 (9-37,208)	S6-3845-6SPL [1.4-18]	PT & UT	1 Weld 360°	WIB-161 Examined 100%	(PT) 03/22/94 (UT) 03/23/94
	RHR Pp 1-2 Inj Cold Leg 4 (9-42)	S6-3847-6SPL [1.4-20]	PT & UT	1 Weld 360°	WIB-286 Examined 100%	(PT) 03/23/94 (UT) 03/24/94
	Pressurizer Inlet RV-8010A (7-27)	S6-729-6SPL+ [1.4-21]	PT & UT	1 Weld 360°	WIB-316 Examined 100%	(PT) 04/22/94 (UT) 04/23/94
	Pressurizer Inlet RV-8010B (7-28)	S6-728-6SPL+ [1.4-22]	PT & UT	1 Weld 360°	WIB-326 Examined 100%	(PT) 03/22/94 (UT) 03/31/94
	Pressurizer Power R.V. (7-25)	S6-730-6SPL [1.4-24]	PT & UT	1 Weld 360°	WIB-341 Examined 100%	(PT) 03/22/94 (UT) 03/31/94
B9.11	<u>4-Inch Nom. Diameter Loop 1 Spray Line (7-6,7,8)</u>	S6-13-4SPL	PT & UT	3 Welds 360°	WIB-403 Examined 100% WIB-408 - 100% 100% single side coverage due to valve WIB-411 - 93% coverage due to elbow intradose (100% required coverage attained)	(PT) 04/09/94 (UT) 04/08/94 (PT) 03/23/94 (UT) 04/08/94 (PT) 03/23/94 (UT) 04/08/94

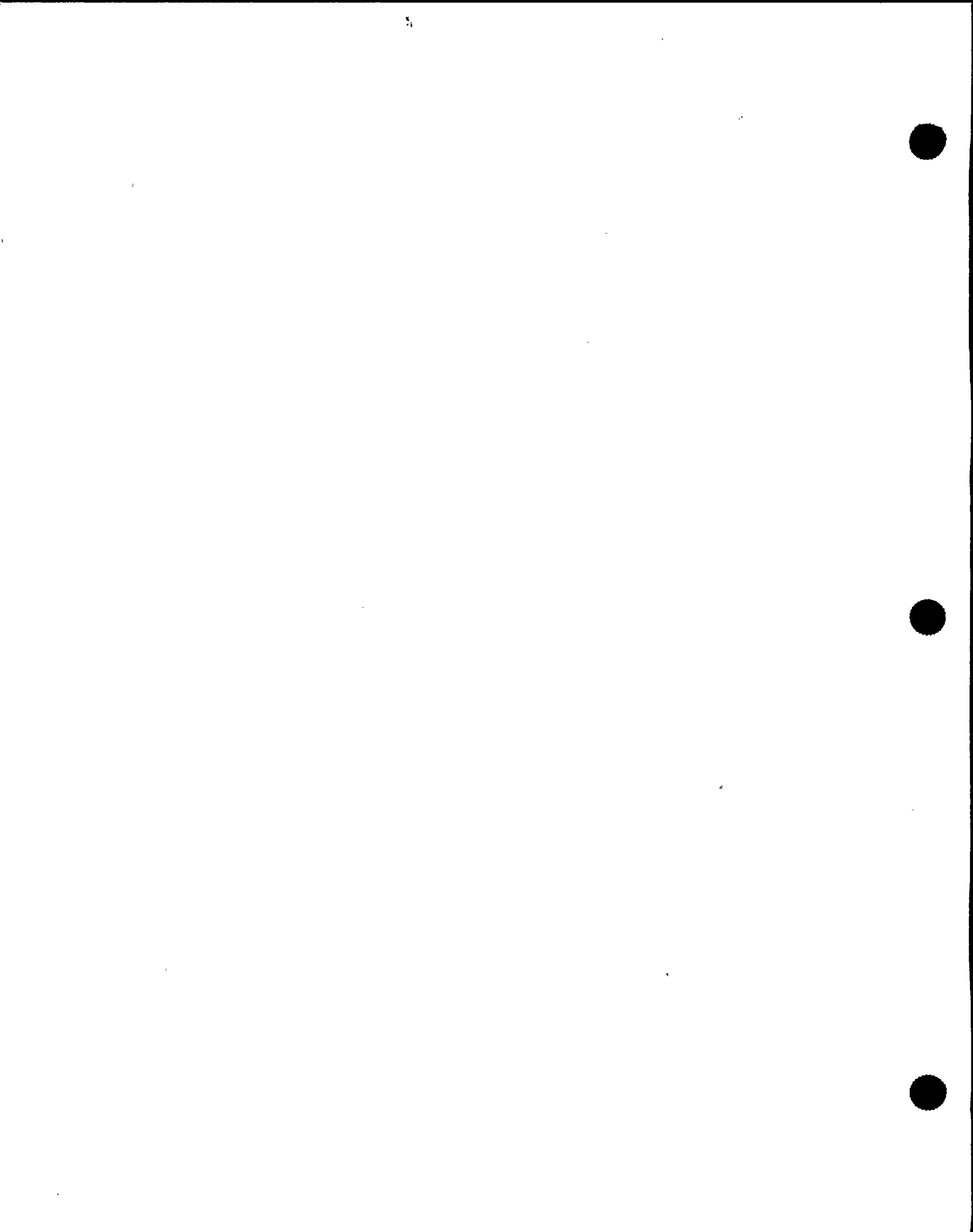


THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Piping Welds (B-J)

TABLE: 1.4
PAGE : 6 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B9.11	<u>4-Inch Nom. Diameter</u> (Cont'd) Pressurizer Spray Line (7-9)	S6-15-4SPL [1.4-29]	PT & UT	3 Welds 360°	WIB-388 - 100% 90% coverage at support clamp WIB-374A - 100% 100% single side coverage due to safe end configuration WIB-381 - 100% Examined 100%	(PT) 04/18/94 (UT) 04/19/94 (PT) 04/09/94 (UT) 04/09/94 (PT) 04/09/94 (UT) 04/09/94
B9.20 B9.21	(Less than 4-Inch Diameter) <u>3-Inch Nom. Diameter</u>	Line No. & ISI Dwg. No.				
	Boron Inj Cold Leg Hdr (9-35)	S6-1995-3SPL [1.4-36]	PT	1 Weld 360°	WIB-311 Examined 100%	03/23/94
	Letdown Line Loop 2 (7-14,15)	S6-24-3SPL [1.4-37] [1.4-38]	PT	1 Weld 360°	WIB-125A Examined 100%	03/22/94
	Pressurizer Pwr RV* PCV-456 (7-26)	S6-1195-3SPL [1.4-39]	PT	3 Welds 360°	WIB-449 Examined 100% WIB-454 Examined 100% WIB-445 Examined 100%	03/22/94 04/16/94 03/22/94
B9.40	<u>Socket Welds</u> <u>2-Inch Nom. Diameter</u>					
	Charging Line Aux Spray (8-350,354)	S6-51-2SPL [1.4-40]	PT	4 Socket Welds 360°	WIB-392 Examined 100% WIB-379 Examined 100% WIB-382 Examined 100% WIB-388 Examined 100%	03/22/94 03/22/94 03/22/94 03/22/94

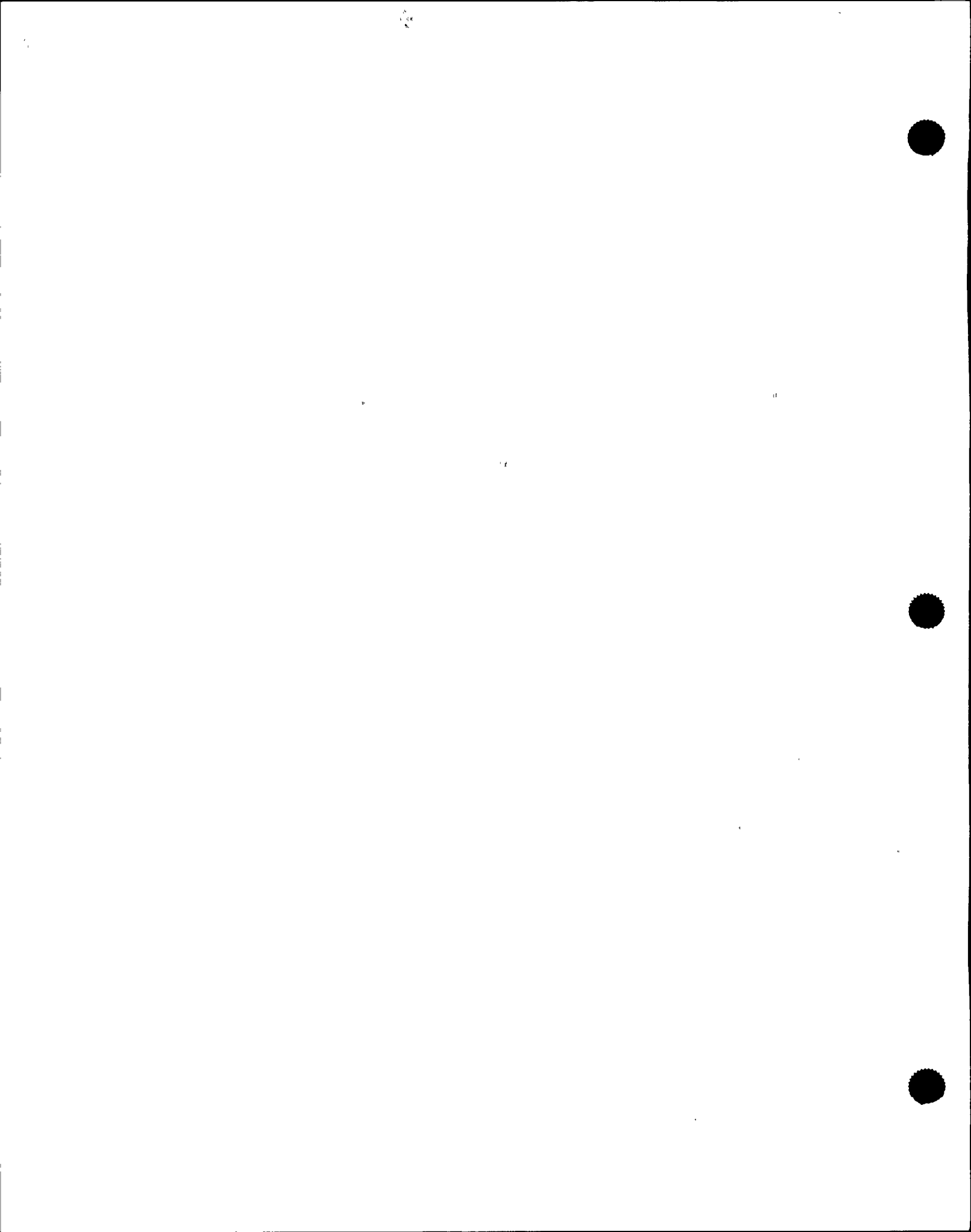


THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Piping Welds (B-J)

TABLE: 1.4
PAGE : 7 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>2-Inch Nom. Diameter (Cont'd)</u>	<u>Line No. & ISI Dwg. No.</u>				
	SI Pps Cold Leg Loop 4 Recirc (9-216)	S6-3858-2SPL [1.4-55]	PT	2 Sockets 360°	WIB-472 Examined 100% WIB-475 Examined 100%	03/16/94 03/16/94
	<u>1.5-Inch Nom. Diameter</u>					
	Boron Inj Tk Out Loop 1 Cold Leg (9-212,240,231)	S6-1991-1.5SPL+ [1.4-64] [1.4-65]	PT	2 Sockets 360°	WIB-71 Rejectable indication detected. Indication removed by grinding. See expanded SCOPE below) WIB-78 Examined 100%	03/31/94 04/29/94
	Boron Inj Tk Out Loop 4 Cold Leg (9-212,240)	S6-1994-1.5SPL [1.4-64] [1.4-65]	PT	2 Sockets 360°	WIB-83 Examined 100% WIB-97 Examined 100%	03/16/94 03/16/94
	<u>EXPANDED SCOPE</u>					
	Ten additional B9.40 welds were examined during 1R6 as a result of the indication detected in WIB-71. The following welds were selected:					
	Boron Inj Tk Out Loop 1 Cold Leg (9-212,240,231)	S6-1991-1.5SPL+ [1.4-65] [1.4-65]	PT	2 Sockets	WIB-69 Examined 100% WIB-55 Examined 100%	04/14/94 04/14/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Piping Welds (B-J)

TABLE: 1.4
PAGE : 8 of 8

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>EXPANDED SCOPE</u> Cont'd.	Line No. & ISI Dwg. No.				
	Boron Inj Tk Out Loop 4 Cold Leg (9-212,240)	S6-1994-1.5SPL [1.4-64] [1.4-65]	PT	1 Socket	WIB-96 Examined 100%	04/14/94
	Boron Inj Tk Out Loop 2 Cold Leg (9-210,241,228)	S6-1992-1.5SPL+ [1.4-67] [1.4-68] [1.4-69]	PT	1 Socket	WIB-207 Examined 100%	04/14/94
	Boron Inj Tk Out Loop 3 Cold Leg (9-209,239)	S6-1993-1.5SPL+ [1.4-70] [1.4-71]	PT	1 Socket	WIB-306 Examined 100%	04/14/94
	SI Pps Cold Leg Loop 4 Recirc (9-216)	S6-3858-2SPL [1.4-55]	PT	1 Socket	WIB-471 Examined 100%	04/14/94
	Safety Inj Hot Leg Loop 3 (9-218)	S6-1976-2 [1.4-52]	PT	1 Socket	WIB-429 Examined 100%	04/14/94
	Loop 4 Cold Leg Drain RCDT (7-215)	S6-961-2SPL+ [1.4-49]	PT	1 Socket	WIB-343 Examined 100%	04/14/94
	Reac Cool Pp 3 Seal Wtr In (8-376)	S6-56-2 and S6-56-1.5 [1.4-44]	PT	1 Socket	WIB-991 Examined 100%	04/14/94
	Charging Line Aux Spray (8-350,354)	S6-51-2SPL [1.4-40]	PT	1 Socket	WIB-375 Examined 100%	04/15/94

RESULTS:

Results of additional scope examinations show no recordable indications found in the 10 additional welds.



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Pumps (B-G-1/2)
TABLE: 1.5
PAGE : 1 of 3

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Pumps</u>					
	Reactor Coolant Pumps					
B-G-1	<u>Pressure Retaining Bolting</u> Larger than 2-Inch Dia					
B6.180	Bolts and Studs, <u>In Place</u> , Pump 1-2	Pump Flange Bolts No. 10 Thru No. 17	UT	8 Bolts	Examined 100%	03/31/94
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia and Less)	Seal House Bolting				
B7.60	Bolts, Studs, & Nuts Pump 1-2	Bolts	VT-1	12 Bolts	Examined 100%	03/18/94
B7.60	Bolts, Studs, & Nuts Pump 1-3	Bolts	VT-1	12 Bolts	Examined 100%	03/24/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Pumps (B-K-1)(B-K-2)
TABLE: 1.5
PAGE : 2 of 3

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-K-1	<u>Support Members</u> Integrally Welded Attachments (To Pressure Bound.)					
B10.20	Welded Attachment Pump 1-2	WELDED #3	PT	1 Lug	48% coverage due to to Support Structure	03/31/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: Pumps (FLYWHEELS)-2(AUGMENTED)TABLE: 1.5
PAGE : 3 of 3

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
RG. 1.14	Reactor Coolant Pump Flywheels	RCP 1-1,1-2,1-3	UT	Keyway Only	Examined 100%	04/06/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: VALVES (B-G-2)

TABLE: 1.6

PAGE : 1 of 2

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Valves</u>					
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia and Less) Bolts, Studs, and Nuts					
B7.70	<u>10-Inch Nom. Dia.</u>	<u>Line No. & Valve No.</u>		<u>Bonnet Bolting</u>		
	Accumulator Injection Loop 2 (9-21) [1.4-9]	S6-254-10SPL+ V-8948B	VT-1	16 Studs and Nuts	Examined 100%	03/29/94
	Accumulator Injection Loop 3 (9-19) [1.4-10]	S6-255-10SPL+ V-8948C	VT-1	16 Studs and Nuts	Examined 100%	03/29/94
	Accumulator Injection Loop 4 (9-18) [1.4-11]	S6-256-10SPL+ V-8948D	VT-1	16 Studs and Nuts	Examined 100%	03/29/94
B7.70	<u>6-Inch Nom. Dia.</u>					
	RHR Pp 1-2 Inj Cold Leg 3 (9-43) [1.4-19]	S6-3846-6SPL+ V-8818C	VT-1	12 Studs and Nuts	Examined 100%	03/30/94
	RHR Pp 1-2 Inj Cold Leg 4 (9-42) [1.4-20]	S6-3847-6SPL+ V-8818D	VT-1	12 Studs and Nuts	Examined 100%	03/29/94
	Pressurizer RV-8010C Inlet (7-29) [1.4-23]	S6-727-6 RV-8010C	VT-1	8 Studs and Nuts	Examined 100%	04/11/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: VALVES (B-G-2)

TABLE: 1.6

PAGE : 2 of 2

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	INDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B7.70	<u>4-Inch Nom. Dia.</u>	<u>Line No. & Valve No.</u>		<u>Bonnet Bolting</u>		
	Loop 1 Spray Line (7-6, 7-7, 7-8) [1.4-26]	S6-13-4SPL 1-PCV-455B	VT-1	8 Studs and Nuts	Examined 100%	03/29/94
	Loop 2 Spray Line (7-5, 7-6) [1.4-28] [1.4-25]	S6-14-4SPL+ 1-PCV-455A	VT-1	8 Studs and Nuts	Examined 100%	03/29/94
B7.70	<u>3-Inch Nom. Dia.</u>					
	Letdown Line Loop 2 (7-14, 7-5) [1.4-37] [1.4-38]	S6-24-3SPL+ 1-LCV-460	VT-1	8 Studs and Nuts	Examined 100%	04/06/94
	Pressurizer Power RV PCV-456 (7-26) [1.4-39]	S6-1195-3SPL+ 1-PCV-456	VT-1	8 Studs and Nuts	Examined 100%	03/22/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1

MAJOR ITEM: PIPE SUPPORTS
 TABLE: 1.7
 PAGE : 1 of 1

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
BK	Piping Supports					
B11.10	Inservice Inspections were performed on all Class 1 snubbers during the Sixth Refueling Outage between the dates of 03/94 and 05/94. Data Sheets are on file.					



Section D
Class 2 Components



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PRESSURE VESSELS (C-A,B,C)

TABLE: 2.1

PAGE : 1 of 2

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
C-A	<u>STEAM GENERATORS</u> <u>Pressure Retaining Welds</u>					
	<u>WELDS</u>					
C1.30	Tube Sheet to Shell	<u>GIRTH WELDS</u>				
C1.30	Steam Generator 1-1 (Serial No. 1041)	Girth W1-2	UT	12 ft. inspected	90% coverage due to welded pads	04/07/94
C-B	<u>Pressure Retaining Nozzle/Welds</u>					
	<u>STEAM GENERATOR 1-4</u> Main Steam Lead 4 Nozzle Weld	Nozzle Weld (to) Shell at K15-225-28V	MT & UT	W 4-8	100% MT 90% coverage on (UT) exam due to curvature of nozzle	(MT) 04/22/94 (UT) 04/22/94
	Nozzle Inner Radius [2.2-24]	Inner Radius	UT	Inner Radius 100%	Inner Radius - Examined 100%	(UT) 04/22/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PRESSURE VESSELS (C-A)TABLE: 2.1PAGE : 2 of 2

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>RESIDUAL HEAT REMOVAL HEAT EXCHANGER</u>					
C-A	<u>Pressure Retaining Welds In Vessels</u>	<u>GIRTH WELDS</u>				
C1.20	RHR Exchanger 1-2	Girth W-GD Weld #4	UT	Bot Head (to) Shell (As Accessible)	75% coverage of exam volume on 0° scan due to support and inlet nozzle. 68% coverage of exam volume (angle beam) due to welded support	03/08/94
C-B	<u>NOZZLES IN VESSELS</u>					
C2.20	>1/2" Nom. Thickness					
	RHR Ht Exchanger 1-2 [1.2-14]	Nozzle Weld #2	UT & PT		PT 100% (UT) 15% exam coverage due to nozzle/shell configuration (angle beam scan) 75% coverage of exam volume on 0° scan due to support and inlet nozzle	(PT) 03/30/94 (UT) 04/09/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)

TABLE: 2.2

PAGE : 1 of 4

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
C-F	<u>Pressure Retaining Welds in Piping</u>					
C5.20 C5.21	Piping Welds >1/2" Wall Multiple Stream Systems	<u>Butt Welds</u> <u>Category C-F</u>				
	SIS to RCS Hot Leg Loop 2 (10-16) End M/S System C-F	S6-2576-8 [2.2-4]	PT & UT	1 Weld 360°	WIC-249 Examined 100%	(PT) 04/03/94 (UT) 04/03/94
C-F	<u>Pressure Retaining Welds in Piping</u>	<u>Butt Welds</u> <u>Category C-G</u>				
C5.21	Single Stream System					
	Charging Pumps Disch Emerg (8-1) (9-6)	S6-1973-6 [2.2-10]	PT & UT	1 Weld 360°	WIC-184 - 100% 100% coverage from one side due to flange	(PT) 03/14/94 (UT) 04/30/94
	RC PPS Barrier CCH Ret Hdr (Penetration)	K17-1357-6 [2.2-37]	MT & UT	1 Weld 360°	WIC-1357E - 92% (UT) 90% coverage due to unistrut obstruction	(MT) 04/03/94 (UT) 04/04/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)TABLE: 2.2PAGE : 2 of 4

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
C5.20 C5.21	Piping Welds >1/2" thick Multiple Stream Systems	<u>Butt Welds</u> <u>Category C-G</u>				
	Stream Gen Steam Outlet 1-4 (500139)	K15-225-28V [2.2-24] Lead 4	MT & UT	1 Weld 360°	WICG-2-4 - 100% (MT) 03/24/94 (MT) The following indications were detected and removed by grinding, and weld repaired. 1) 2" linear 2) .5" linear 3) 1.38" linear SEE EXPANDED SCOPE ON PAGE 3. (UT) 99% coverage (UT) 04/20/94 due to surface excavations.	
	Main Steam Relief Vlv Hdr (500139) (4-60)	K15-1066-24V [2.2-24] Lead 4	MT & UT	1 Weld 360°	WICG-27-4 - 100% (MT) 04/03/94 (UT) 90% coverage (UT) 04/08/94 due to sweepolet located @ TDC	
C-F	<u>Pressure Retaining Welds</u> <u>in Piping</u>					
C5.22	Longitudinal Welds Over 1/2" Wall Single Stream Systems	<u>Long'l Seams</u> <u>Category C-F</u>				
	Steam Gen Steam Outlet 1-4 (500139)	K15-225-28V [2.2-24] Lead 4	MT & UT	Long Seam	"Long Seam Weld" (MT) 03/02/94 WICG-2-4 to (UT) 04/21/94 WICG-4-4 Examined 100%	



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)

TABLE: 2.2

PAGE : 3 of 4

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
C-F	<u>Piping</u>					
C5.10	Piping Welds 1/2" or Less Nominal Wall Thickness					
C5.11	Circumferential Welds Single Stream Systems	<u>Butt Welds</u> <u>Category C-F</u>				
	Res Ht Exchanger 2 Outlet (9-2)	S1-3551-14III [2.2-3]	PT	1 Weld 360°	WIC-9 Examined 100%	04/11/94
	Containment Spray Pump 1-2 Discharge Before V-9001 B	S2-265-8	UT	1 Weld 360°	WIC-265-1 95% coverage due to support 2810-77	04/14/94
	<u>EXPANDED SCOPE EXAMINATIONS (Per INB-2430(a))</u>					
C-F	<u>Pressure Retaining Welds in Piping</u>					
C5.20	Piping welds >1/2" thick	<u>Butt Welds</u>				
C5.21	Multiple Stream Systems	<u>Category C-G</u>				
	Steam Gen Steam Outlet 1-2 (500137)	K15-227-28V [2.2-22] Lead 2	MT	2 Welds 360°	WICG-1-2 WICG-2-2	03/16/94 04/06/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)

TABLE: 2.2
PAGE : 4 of 4

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
<u>EXPANDED SCOPE EXAMINATIONS (Per IWB-2430(a))</u>						
C-F	<u>Pressure Retaining Welds in Piping (Cont'd)</u>					
	Steam Gen Steam Outlet 1-3 (500138)	K15-226-28V [2.2-23] Lead 3	HT	2 welds 360°	WICG 1-3 WICG 2-3	03/27/94 03/27/94
	Steam Gen Steam Outlet 1-1 (500136)	K15-228-28V [2.2-21] Lead 1	HT	1 weld 360°	WICG 1-1	03/27/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PUMPS (SI PUMPS)

TABLE: 2.3

PAGE : 1 of 1

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Safety Injection Pumps</u>					
C-D	<u>Pressure Retaining Bolting</u> (Larger Than 2-Inch Diameter)					
C4.30	Bolts SI Pump 1-2	Casing Bolts Bolt #1,2,3,4,5, 6,11,12	UT	8	100% Volumetric Exam	04/01/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

MAJOR ITEM: PIPE SUPPORTS

TABLE: 2.4

PAGE : 1 of 1

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
BK	Piping Supports					
B11.10	Inservice Inspections were performed on all Class 2 snubbers during the Sixth Refueling Outage between the dates of 03/94 and 05/94. Data Sheets are on file.					



SECTION E
SYSTEM PRESSURE TESTS



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 1 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure TestTABLE : 5.2PAGE : 1 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
1.	Reactor Coolant Pumps 1-1, 1-2, 1-3, 1-4		VT-2	Pressure Retaining Boundary		03/30/91
2.	Steam Generators 1-1, 1-2, 1-3, 1-4 (Tube Side)		VT-2	Pressure Retaining Boundary		03/30/91
3.	Reactor Vessel, Primary Coolant Loops and Connected Piping		VT-2	Pressure Retaining Boundary		03/31/91 05/26/94
4.	Pressurizer 1-1		VT-2	Pressure Retaining Boundary		03/30/91
5.	Pressurizer Relief/Spray		VT-2	Pressure Retaining Boundary		03/30/91
7.	Reactor Coolant Pump Seal Water Injection/Bypass		VT-2	Pressure Retaining Boundary		03/30/91
8.	Letdown and Excess Letdown Lines		VT-2	Pressure Retaining Boundary		03/30/91
10.	SIS Accum Disch and Test Lines		VT-2	Pressure Retaining Boundary		05/04/94
11.	RHR Injection to Cold Legs		VT-2	Pressure Retaining Boundary		05/04/94
12.	Charging Injection Inside Containment		VT-2	Pressure Retaining Boundary		05/04/94
13.	Safety Injection Inside Containment		VT-2	Pressure Retaining Boundary		05/05/94
	<u>System Leakage Test</u> Class 1 Pressure Retaining Boundary		VT-2	Pressure Retaining Boundary		11/06/92 (1R5) 05/04/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure Test

TABLE : 5.2

PAGE : 2 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
1.	Feedwater Supply Leads		VT-2	Pressure Retaining Boundary		05/04/94
3.	Steam Generators 1-3 & 1-4		VT-2	Pressure Retaining Boundary		05/04/94
4.	Main Steam Leads 3 & 4		VT-2	Pressure Retaining Boundary		05/04/94
5.	Main Steam Leads 1 & 2		VT-2	Pressure Retaining Boundary		05/04/94
6.	Steam Generators 1-2 & 1-1		VT-2	Pressure Retaining Boundary		05/04/94
7.	Auxiliary Feed Pump 1-1 Turbine Steam Lead		VT-2	Pressure Retaining Boundary		05/21/94
8.	Steam Generator Blowdown		VT-2	Pressure Retaining Boundary		05/05/94
11.	Excess Letdown Heat Exchanger 1-1 Tube Side and Inlet/Outlet Piping		VT-2	Pressure Retaining Boundary		03/30/91
13.	Reactor Coolant Pumps Hi Pressure Seal Water Outlet Piping (Spec S6) to Valve 8142		VT-2	Pressure Retaining Boundary		03/30/91
15.	RCP Seal Water Inlet Unisolable From Class 1 (8393 to 8372)		VT-2	Pressure Retaining Boundary		03/30/91
16.A	Regenerative Heat Exchanger 1-1 Shell Side and Letdown Piping LCV-460 to RO-27,28,29		VT-2	Pressure Retaining Boundary		05/06/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure Test
 TABLE : 5.2
 PAGE : 3 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
16.B	Letdown Piping R0-27,28,29 to 8152		VT-2	Pressure Retaining Boundary		05/06/94
19.	Centrifugal Charging Pumps and Suction Piping		VT-2	Pressure Retaining Boundary		04/12/94
22.	Charging Line to Cold Legs & Pressurizer Upstream of Aux Spray Valves 8147, 8146, 8145, 8148, 8482		VT-2	Pressure Retaining Boundary		05/04/94
23.	Charging Line Portions Unisolable From Class 1		VT-2	Pressure Retaining Boundary		03/30/91
24.	Boric Acid Tanks to Pump Disch Iso Valves		VT-2	Pressure Retaining Boundary		12/22/90
25.	Boric Acid Transfer Pumps, Disch and Recirc Piping		VT-2	Pressure Retaining Boundary		04/29/94
26.	Accumulator Injection Loops 1 Thru 4, Test & Fill Piping Up to Valves 8877A,B,C & D		VT-2	Pressure Retaining Boundary		05/04/94
28.	Safety Injection Pumps		VT-2	Pressure Retaining Boundary		04/29/94
29.	Accumulator Sample Lines From Valves 9367A-D to 9352A-D and 9357A to 9357B		VT-2	Pressure Retaining Boundary		10/29/92
32.	Charging Injection		VT-2	Pressure Retaining Boundary		02/24/91



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure Test
TABLE : 5.2
PAGE : 4 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
35.	Refueling Water Storage Tank and Supply to First Iso Vlvs		VT-2	Pressure Retaining Boundary		12/21/90
37.	RWST Supply Header		VT-2	Pressure Retaining Boundary		12/21/90
39.	RHR Cold Leg Inj Piping From 8809A, B to Class 1		VT-2	Pressure Retaining Boundary		05/01/94
40.	RHR Cold Leg Inj Piping Upstrm 8809A,B		VT-2	Pressure Retaining Boundary		05/01/94
42.	Cont Recirc Sump Outlet Lines Downstream of Valves 8982A,B		VT-2	Pressure Retaining Boundary		05/01/94
43.	RHR Suction Piping From RWST 8981 & 8701 to 8700A,B		VT-2	Pressure Retaining Boundary		05/01/94
44.	RHR Suction Piping From RWST 8980 to 8981		VT-2	Pressure Retaining Boundary		12/21/90
45.	RHR Disch Piping, Supply to SIS Pump Suction		VT-2	Pressure Retaining Boundary		05/01/94
51.	RHR Hot Leg 1 & 2 Injection Piping to 8703 Plus Bypass Line (8726A,B)		VT-2	Pressure Retaining Boundary		05/01/94
52.	RHR Hot Leg 1 & 2 Downstream 8703 to 8740A,B		VT-2	Pressure Retaining Boundary		05/05/94
53.	RHR Pumps		VT-2	Pressure Retaining Boundary		05/01/94
54.	RHR Pump Discharge Piping to 8730A,B		VT-2	Pressure Retaining Boundary		05/01/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure Test

TABLE : 5.2

PAGE : 5 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
55.	RHR Pump Seal Piping		VT-2	Pressure Retaining Boundary		05/01/94
56.	RHR Sample Lines		VT-2	Pressure Retaining Boundary		05/01/94
61.	Spray Additive Tank and Unisolable Piping		VT-2	Pressure Retaining Boundary		02/21/91
62.	Containment Fan Cooler CCH Supply & Return, Spec K2 Piping		VT-2	Pressure Retaining Boundary		02/23/91
63.	Containment Fan Coolers		VT-2	Pressure Retaining Boundary		02/09/91
64.	Reactor Coolant Pumps CCH Supply & Oil Cooler Return Containment Penetrations, Spec K2		VT-2	Pressure Retaining Boundary		09/23/92
65.	Reactor Coolant Pumps CCH Return Containment Penetration, Line K17-1357-6		VT-2	Pressure Retaining Boundary		03/12/91
66.	Excess Letdown Heat Exchanger, Shell Side		VT-2	Pressure Retaining Boundary		02/16/91
67.	Excess Letdown Heat Exchanger, Shell Side Pipe		VT-2	Pressure Retaining Boundary		02/16/91
69.	Lines 4681, 4682, 4683, 4684, 4685, 4686		VT-2	Pressure Retaining Boundary		03/30/91
71.	Pzr Relief Tk N ₂ Supply		VT-2	Pressure Retaining Boundary		02/10/91



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2 - TEN YEAR HYDROSTATIC TEST

MAJOR ITEM : System Pressure TestTABLE : 5.2PAGE : 6 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
72.	Pri Wtr Sup to Pzr Relief Tk		VT-2	Pressure Retaining Boundary		03/08/91
75.	Tanks N ₂ Supply Hdr		VT-2	Pressure Retaining Boundary		02/11/91
80.	Firewater Supply Before Cont		VT-2	Pressure Retaining Boundary		03/21/91
84.	React Cool Drn Tk N ₂ Supply		VT-2	Pressure Retaining Boundary		02/14/91
106.	Inside Cnt Instr Air Sup Hdr		VT-2	Pressure Retaining Boundary		04/17/94
107.	Cnt Inst Air Sup FCV-584 Bp		VT-2	Pressure Retaining Boundary		04/17/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2 - SYSTEM FUNCTIONAL TEST

MAJOR ITEM: System Functional Test

TABLE: 5.2

PAGE: 7 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
27	Accumulator Test & Fill Piping		VT-2			04/28/94
30	Charging Inj. Check Valves Line S6-4348-3/4 & SIS Pump Disch Test Line S6-2570-3/4		VT-2			04/28/94
34	Charging Inj. to Cold Legs (8801A, B to 8820)		VT-2			05/04/94
38	Safety Injection Pump Discharge/Hot Leg Injection Piping Inside Cont. Iso Valves (8802A, B)		VT-2			05/04/94
46	Safety Injection Pumps Suction Line to RWST		VT-2			03/11/94
48	SIS Pp Discharge Piping to 8802A, B, 8835		VT-2			04/29/94
49	SI Cold Leg Injection Downstream of 8835		VT-2			07/06/94
50	RHR Hot Leg Inj. Test Lines to 8884A-D, 8825, 8885A, B, 8824, 8823		VT-2			04/28/94
57	Containment Spray Ring Supply Piping, Spec. S3		VT-2			10/07/92
59	RWST Supply to Eductors		VT-2			04/30/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASHE SECTION XI SYSTEMS - CLASS 2 - SYSTEM FUNCTIONAL TEST

MAJOR ITEM: System Functional Test

TABLE: 5.2

PAGE: 8 of 8

TEST #	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
60	Cont. Spray Pumps, Suction Piping	RHST Eductor Suction				03/03/94
68	Steam Gen. N ₂ Supply Hdr.		VT-2			04/05/94
79	Aux Steam Cont. Penetration		VT-2			04/21/94
105	Service Air Penetration Hdr.		VT-2			04/12/94

NOTE: All tests listed in Program Plan to be satisfied by LLRT are complete for periods 1, 2, & 3.



SECTION F
PRESERVICE INSPECTION ITEMS



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: PIPING WELDS (B-J)PAGE : 1 OF 6

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-J B9.20 B9.21	<u>Piping</u> (Less Than 4-Inch Diameter)	<u>Line No. &</u> <u>ISI Dwg. No.</u>				
	<u>3-Inch Nom. Diameter</u>					
	Loop 3 RTD Manifold Ret Hdr (7-21)	S6-1153-3SPL [1.4-32]	PT	1 weld 360°	W1B-182A Examined 100%	03/23/94
	Loop 3 Cold Leg Return Connection	S6-1152-2SPL [1.4-62]	PT	2 welds 360°	W1B-255B W1B-255C Both Examined 100%	03/27/94 03/24/94
	Loop 4 Cold Leg Return Connection	S6-1159-2SPL [1.4-63]	PT	2 welds 360°	W1B-349B W1B-349C Both Examined 100%	03/27/94 03/23/94
	Loop 4 RTD Manifold Ret Hdr	S6-1158-3SPL [1.4-33]	PT	1 weld 360°	W1B-249A Examined 100%	03/24/94
	Loop 1 RTD Manifold Ret Hdr (7-23)	S6-1141-3SPL [1.4-30]	PT	1 weld 360°	W1B-19A Examined 100%	03/23/94
	Loop 2 RTD Manifold Ret Hdr (7-24)	S6-1147-3SPL [1.4-31]	PT	1 weld 360°	W1B-89A Examined 100%	03/09/94
	Loop 2 Cold Leg RTD Conn	S6-1146-2SPL [1.4-61]	PT	2 welds 360°	W1B-144B Examined 100% W1B-144C Examined 100%	03/27/94 03/18/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: VALVES (B-G-2)

PAGE : 2 of 6

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Valves</u>					
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Diameter and Less) Bolts, Studs, and Nuts					
B7.70	<u>3-Inch Nom. Diameter</u> (Cont'd)	<u>Line No.</u> <u>Valve No.</u>		<u>Bonnet Bolting</u>	<u>Manufacturer</u> <u>& Style</u>	
	Pressurizer Power RV PCV-474 (7-25) [1.4-24]	S6-1171-3SPL+ V-8000A	VT-1	12 Studs and Nuts-100%	Velan 3GM48FN	03/24/91
	Letdown Line Loop 2 (7-14, 7-5) [1.4-37] [1.4-38]	S6-24-3SPL+ 1-LCV-460	VT-1	8 Studs and Nuts-100%	Masoneilan 3IA58RGP	04/06/94
	<u>6-Inch Nom. Diameter</u>					
	Pressurizer RV-8010A Inlet (7-27) [1.4-21]	S6-729-6 RV-8010A	VT-1	12 Studs - 100% 24 Nuts	Crosby 6RV58MSB	03/02/94
	Pressurizer RV-8010B Inlet (7-28) [1.4-22]	S6-728-6 RV-8010B	VT-1	12 Studs - 100% 24 Nuts	Crosby 6RV58MSB	03/02/94
	Pressurizer RV-8010C Inlet (7-29) [1.4-23]	S6-727-6 RV-8010C	VT-1	12 Studs - 100% 24 Nuts	Crosby 6RV58MSB	03/02/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 2

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)
PAGE : 3 of 6

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
C-F	<u>Pressure Retaining Welds in Piping (Cont'd)</u>					
C5.20 C5.21	Piping Welds >1/2" thick Multiple Streams, Cont'd	<u>Butt Welds</u> <u>Category C-G</u>			<u>NEW WELDS INSTALLED THIS OUTAGE</u>	
	Stm Gen Feed Wtr Supply Gen 1-1 (500146)	K16-554-16V Lead 1 [2.2-25]	MT & UT	2 Welds 360°	WICG-94-1A (UT)04/04/94-(MT)04/08/94 Examined 100% WICG-94-1B (UT)04/04/94-(MT)04/08/94 Examined 100%	
	Stm Gen Feed Wtr Supply Gen 1-2 (500146)	K16-555-16V Lead 2 [2.2-26]	MT & UT	2 Welds 360°	WICG-94-2A (UT)04/11/94-(MT)04/08/94 Examined 100% WICG-94-2B (UT)04/11/94-(MT)04/08/94 Examined 100%	
	Stm Gen Feed Wtr Supply Gen 1-3 (500146)	K16-557-16V Lead 3 [2.2-27]	MT & UT	3 welds 360°	WICG-94-3A (UT)04/12/94-(MT)04/08/94 Examined 100% WICG-94-3B (UT)04/12/94-(MT)04/08/94 Examined 100% WICG-94-3D (UT)04/22/94-(MT)03/31/94 Examined 100%	
	Stm Gen Feed Wtr Supply Gen 1-4 (500146)	K16-556-16V Lead 4 [2.2-28]	MT & UT	2 welds 360°	WICG-94-4A (UT)04/08/94-(MT)04/06/94 Examined 100% WICG-94-4B (UT)04/08/94-(MT)04/06/94 Examined 100% <u>NOTE:</u> Hydro deferred IAW Code Case N-416.	
	Main Stm Relief Vlv Hdr (500138) (4-59)	K15-1065-24V [2.2-23] Lead 3	MT	Flange Exam 360°	MT performed after gouge was detected on Inlet flange and blended by grinding. MT performed in blend area. No weld repair was required. Indication was removed by grinding.	04/17/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: PIPING-CIRCUM. WELDS (C-F)
 PAGE : 4 of 6

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
	<u>Piping</u>					
C-F	<u>Pressure Retaining Welds In Piping</u>					
C5.10	Piping Welds ≤ 1/2" Thick	<u>Butt Welds</u>				
C5.11	Circumferential Welds					
	Single Stream Systems	<u>Category C-G</u>				
	RWST To Res Ht Rem Pps Suct (10-10)	S1-223-12IIIP [2.2-2]	PT	3 welds 360°	WIC-236A WIC-236B WIC-236C All examined 100%	04/05/94 04/03/94 04/05/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
 ASME SECTION XI SYSTEMS - CLASS 2

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: PIPING WELDS (B-J)
 PAGE : 5 of 6

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	EXAMINATION AMOUNT & EXTENT	EXAM RELIEF'S & REMARKS	EXAM DATE
B-J	<u>Piping</u>					
B9.40	<u>Socket Welds</u>					
	<u>2-Inch Nom. Diameter</u>	<u>Line No. & ISI Dwg. No.</u>				
	Loop 1 Cold Leg RTD Conn (7-220)	S6-1140-2SPL [1.4-60]	PT	7 socket welds 360°	WIB-28A WIB-28B WIB-28C WIB-28D WIB-28E WIB-28F WIB-28G All examined 100%	03/27/94 03/26/94 03/24/94 03/27/94 03/24/94 03/28/94 03/24/94



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1/2

PRESERVICE INSPECTION ITEMS

MAJOR ITEM: SUPPORTS

PAGE : 6 of 6

B-K Piping SupportsB-K-2 Support Components

B11.10

The required Preservice Inspections were performed on 51 Class 1 and 2 hangers during the Sixth Refueling Outage. Data Sheets are on file.

<u>SUPPORT</u>	<u>LINE</u>	<u>SUPPORT</u>	<u>LINE</u>	<u>SUPPORT</u>	<u>LINE</u>
5-2R	3281	1044-7V	0556	12-157SL (B)	2340
5-76R	0095	Pp Base	AFW Pp 1-1	13-9SL	3846
23-283R	1140	Bolted Supports	CCP 1-2	14-83SL (A)	3284
40-59R	0985	Bolted Supports	CCP 1-1	22-211SL	0054
44-64R	0017	4-22SL	RHR Pp	22-54SL	1993
44-75R	0680	104SL	0254	SG 01-02 SL NE	S/G 1-2
52-41R	LCV-460	10-33SL	2576	1033-6SL	0225
56S-146R	1661	10-39SL	0985	1049-17SL	0557
58S-142R	0264	10-128SL	0014	1049-16SL	0556
66-20R	1158	11-18SL	0014	1048-28SL	0555
66-32R	1968	11-35SL	0508	1048-27SL	0554
288-2R	ASW Pp 1-2	11-43SL	0728	288-58A	0119
288-82R	ASW Pp 1-2	11-44SL	0729	22-211SL	0054
1037-7V	0554	11-94SL	1195	14-83SL (B)	3284
1039-9V	0555	12-2SL (A)	1665		
1042-9V	0557	12-2SL (B)	1665		
		12-3SL	0109		
		12-70SL	1976		
		12-146SL (A)	1665		
		12-146SL (B)	1665		
		12-157SL (A)	2340		



Section 6
Repairs and Replacements



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach CA 93424
3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(8) 1049-14SL	Grinnell	31728	N/A	C0100541	0556	Unknown	Replacement	ASME III NF77
(9) 1-38R	PG&E	Unknown	N/A	C0121716	0569	Unknown	Replacement	ANSI B31.1 69
(9) 1-39R	PG&E	Unknown	N/A	C0121728	0570	Unknown	Replacement	ANSI B31.1 69

7. Description of Work (8) Replace support parts (9) Delete Support Parts
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed *Christopher R. Groff* Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 *Kenny D. Kim* Commissions CA 1828 - NB 9990
(Inspector) (State or Province, National Board)
Kenny D. Kim

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



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replacement	ASME Code Stamped (Yes or No)
(4) FW-1-531	Atwood&Morri	Unknown	N/A	C0095471	0557	Unknown	Replacement	Draft ASME P&V 68
(4) FW-1-369	Velan Valve	1888	N/A	C0095717	0569	Unknown	Replacement	Draft ASME P&V 68
(4) FW-1-373	Velan Valve	1881	N/A	C0095719	0571	Unknown	Replacement	Draft ASME P&V 68
(3/4) FW-1-367	Atwood&Morri	Unknown	N/A	C0102020	0555	Unknown	Replacement	DRAFT ASME P&V 68
(11) F.W. Nozzle *	PG&E	N/A	N/A	C0104777	0554	Unknown	Replacement	ASME III 83
(11) F.W. Nozzle *	PG&E	N/A	N/A	C0104778	0555	Unknown	Replacement	ASME III 83

7. Description of Work (3) Mach. work repair (4) Replace Internals (11) Replace Pipe
8. Tests Conducted: * Hydrostatic YES Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks * Hydro deferred to next scheduled system pressure test, per ASME Sect. XI Code Case N-416

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 Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(Inspector) (State or Province, National Board)
Kenny D. Kim

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



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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 Org. P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
(See Below - Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0104782	0555	Unknown	Repair	ASME III 83
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0104775	0554	Unknown	Repair	ASME III 83
(11) F.W. Nozzle *	PG&E	N/A	N/A	C0104779	0557	Unknown	Replacement	ASME III 83
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0104783	0556	Unknown	Repair	ASME III 83
(14) Elbow line 555*	PG&E	N/A	N/A	C0105201	0555	Unknown	Repair	ASME III 84
(6) FW-1-367	Atwood&Morri	Unknown	N/A	C0106228	0555	Unknown	Replacement	ASME III 83
(2) FW-1-368	Atwood&Morri	Unknown	N/A	R0123587	0554	Unknown	Replacement	DRAFT ASME P&V 68
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0124022	0554	Unknown	Repair	ANSI B31.7 69
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0124022	0555	Unknown	Repair	ANSI B31.7 69
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0124022	0556	Unknown	Repair	ANSI B31.7 69
(3) F.W. Nozzle *	PG&E	N/A	N/A	C0124022	0557	Unknown	Repair	ANSI B31.7 69
(6) FW-1-368	Atwood&Morri	Unknown	N/A	R0123587	0554	Unknown	Replacement	DRAFT ASME P&V 68
(3) FW-1-531	Atwood&Morri	Unknown	N/A	C0095471	0557	Unknown	Repair	DRAFT ASME P&V 68
(6) F.W. Nozzle	PG&E	N/A	N/A	C0104780	0556	Unknown	Replacement	ASME III 83
(11) Line 554	PG&E	N/A	N/A	C0119583	0554	Unknown	Replacement	ASME III 89
(11) Line 555	PG&E	N/A	N/A	C0119586	0555	Unknown	Replacement	ASME III 89
(11) Line 556	PG&E	N/A	N/A	C0119591	0556	Unknown	Replacement	ASME III 89
(11) Line 557	PG&E	N/A	N/A	C0119590	0557	Unknown	Replacement	ASME III 89
(11) F.W. Nozzle	PG&E	N/A	N/A	C0104776	0556	Unknown	Replacement	ASME III 83

9. Remarks (3)Mach Wk.repair (6)Replace by welding (11) Replace pipe (14) Grind flush
(Applicable Manufacturer's Data Reports to be attached)
* Hydro deferred to next scheduled system pressure test, per ASME Sect XI
Code Case N-416



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 June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(8) S/G 01-01SL-NE	Paul Monroe	1617	N/A	C0097508	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-01SL-NW	Paul Monroe	1619	N/A	C0097509	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-01SL-SE	Paul Monroe	1615	N/A	C0097510	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-01SL-SW	Paul Monroe	1612	N/A	C0097511	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-03SL-NE	Paul Monroe	1614	N/A	C0097513	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-03SL-NW	Paul Monroe	1618	N/A	C0097514	N/A	Unknown	Replacement	ANSI B31.1 67

7. Description of Work (8) Replace Support Parts
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/4/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(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 x 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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 Org. P.O. No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced/Replacement	ASME Code Stamped (Yes or No)
(8) S/G 01-03SL-SE	Paul Monroe	1610	N/A	C0097515	N/A	Unknown	Replacement	ANSI B31.1 67
(8) S/G 01-03SL-SW	Paul Monroe	1605	N/A	C0097516	N/A	Unknown	Replacement	ANSI B31.1 67
(1) 10-120 SL	Anchor Darlg	PSA 1NF	N/A	C0104795	3915	Unknown	Replacement	ANSI B31.1 83
(1) 11-3SL	Grinnell	31963	N/A	C0116560	0593	Unknown	Replacement	ANSI B31.1 83
(1) 1-45SL A&B	Anchor Darlg	(A)119 (B)81	N/A	C0104794	0228	Unknown	Replacement	ANSI B31.1 83
(1) 12-5SL	Grinnell	31962	N/A	C0104645	N/A	Unknown	Replacement	NON CODE
(1) 12-66SL	PSA	33860	N/A	C0124514	1060	Unknown	Replacement	ASME III NF 77
(14) 57s-184R	PG&E	N/A	N/A	C0127258	1040	Unknown	Replacement	ANSI B31.1 67
(10) 288-88SL	PSA	23085	N/A	C0121518	3915	Unknown	Replacement	ANSI B31.1 67
(3) 12-182SL	PSA	0206	N/A	C0120582	1038	Unknown	Repair	ASME III NF 77
(1) 12-185SL	PSA	33862	N/A	C0120579	1042	Unknown	Replacement	ASME III NF 77
(3) 10-112SL	PSA	N/A	N/A	C0120573	1040	Unknown	Replacement	ASME III NF 77
(1) 10-120SL	PSA	25314	N/A	C0120204	3915	Unknown	Replacement	ASME III NF 77
(1) 16-68SL	PSA	1591	N/A	C0119314	1060	Unknown	Replacement	ASME III NF 77
(8) 58s-132R	PG&E	N/A	N/A	C0096118	0593	Unknown	Replacement	ANSI B31.1 67
(8) 58s-147R	PG&E	N/A	N/A	C0096116	0593	Unknown	Replacement	ANSI B31.1 67
(8) 58-1	PG&E	N/A	N/A	C0095939	0593	Unknown	Replacement	ANSI B31.1 67
(1) 12-186SL	PSA	33846	N/A	C0124515	1042	Unknown	Replacement	ASME III NF 77

9. Remarks (1) Replaced Hanger (8) Replace Support Parts (3) Mach. Wk. Repair
(Applicable Manufacturer's Data Reports to be attached)
(10) Delete Support Parts (14) Add Shim Material



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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 5
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach CA 93424
3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced/Replacement	ASME Code Stamped (Yes or No)
(4) MS-1-PCV-20	Copes Vulcan	Unknown	N/A	C0119717	1427	Unknown	Replacement	DRAFT ASME P&V 68
(2) MS-1-PCV-21	Copes Vulcan	6910.95009	N/A	C0114762	1428	Unknown	Replacement	DRAFT ASME P&V 68
(3) MS-1-2056	Anchor Darg	E1565-1-2	N/A	C0106157	1041	Unknown	Repair	ASME III 68
(3) MS-1-FCV-38	Velan Valve	Unknown	N/A	C0106086	0594	Unknown	Repair	DRAFT ASME P&V 68
(3) MS-1-FCV-37	Velan Valve	Unknown	N/A	C0106084	0593	Unknown	Repair	DRAFT ASME P&V 68
(5) MS-1-RV-11	Dresser	BN-01743	N/A	C0100059	1065	Unknown	Replacement	DRAFT ASME B&PV 68

7. Description of Work (2)Replace Bolting (3)Mach. Work Repair (4)Replace Internals (5)Replace Valve

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

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 2 of 5
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach CA 93424
3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced/Replacement	ASME Code Stamped (Yes or No)
(5) MS-1-RV-58	Dresser	BM07851	N/A	C0100060	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-59	Dresser	BM01747	N/A	C0100061	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-60	Dresser	BM07564	N/A	C0100062	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-12	Dresser	BM07856	N/A	C0100063	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-13	Dresser	BM07860	N/A	C0100064	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-14	Dresser	BM07864	N/A	C0100065	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-03	Dresser	BM07848	N/A	C0100897	0228	Unknown	Replacement	DRAFT ASME B&PV 68
(5) MS-1-RV-07	Dresser	BM07849	N/A	C0100899	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(4/5) MS-1-RV-11	Dresser	BM07850	N/A	C0100900	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-04	Dresser	BM07854	N/A	C0100979	0228	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-08	Dresser	BM07855	N/A	C0100981	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-10	Dresser	BM07863	N/A	C0100982	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-59	Dresser	BM01747	N/A	C0100983	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-60	Dresser	BM07564	N/A	C0100984	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-FCV-38	Velan Valve	Unknown	N/A	C0101951	0594	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-FCV-37	Velan Valve	Unknown	N/A	C0101955	0593	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-225	Dresser	BM07869	N/A	C0102943	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-225	Dresser	BM07869	N/A	C0103207	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-14	Dresser	BM07864	N/A	C0103206	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(3)S/G1-3 H/H Flange	Westinghouse	1043	68-14	C0104350	N/A	68	Repair	ASME III 68
(3)S/G1-3 H/H Covers	Westinghouse	1043	68-14	C0104369	N/A	68	Repair	ASME III 68
(3)S/G1-1 H/H Flange	Westinghouse	1041	68-12	C0104393	N/A	68	Repair	ASMS III 68
(3)S/G1-1 H/H Covers	Westinghouse	1041	68-12	C0104394	N/A	68	Repair	ASME III 68
(3) MS-1-RV-11 spare	Dresser	BM07850	N/A	C0105514	N/A	Unknown	Repair	ASME III 68

9. Remarks (2)Replace bolting (3)Mach. work repair (4)Replace internals (5)Replace valve
(Applicable Manufacturer's Data Reports to be attached)



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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 3 of 5

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

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

4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(3) S/G1-2 H/H Face	Westinghouse	1042	68-13	C0104395	N/A	68	Repair	ASME III 68
(3) S/G1-2 H/H Cover	Westinghouse	1042	68-13	C0104396	N/A	68	Repair	ASME III 68
(2) MS-1-RV-10	Dresser	BM07863	N/A	C0124128	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(13) MS-1-FCV-95	Anchor Darg	EB209-2-10	N/A	C0095780	0593	Unknown	Replacement	ASME III 86
(4) MS-1-FCV-154	Fisher	4933072	N/A	C0106748	1041	Unknown	Replacement	DRAFT ASME B&PV 68
(3) MS-1-FCV-95	Anchor Darg	EB-209-2-10	N/A	C0113695	0760	Unknown	Repair	ASME III 86
(2) MS-1-FCV-761	Fisher	4933083	N/A	C0115125	1041	Unknown	Replacement	DRAFT ASME P&V 68
(2) MS-1-FCV-762	Fisher	4933084	N/A	C0115126	1042	Unknown	Replacement	DRAFT ASME P&V 68
(4/2) MS-1-FCV-763	Fisher	4933085	N/A	C0115127	1043	Unknown	Replacement	DRAFT ASME P&V 68
(2) MS-1-FCV-760	Fisher	4933082	N/A	C0115132	1040	Unknown	Replacement	DRAFT ASME P&V 68
(2) FCV-1-37	Velan Valve	BI2-254B-275	N/A	C0119027	0015	Unknown	Replacement	DRAFT ASME P&V 68
(2/3) MS-1-FCV-38	Velan Valve	BI2-154B-2TS	N/A	C0119028	0015	Unknown	Replacement	DRAFT ASME P&V 68
(3) SC-93-7431(Disk)	Schutte&Koer	666499	N/A	C0119692	N/A	Unknown	Replacement	USAS B16.5 68
(2) MS-1-RV-5	Dresser	BM07858	N/A	C0121891	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-5	Dresser	BM07858	N/A	C0121892	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-61	Dresser	BM07865	N/A	C0121910	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-61	Dresser	BM07865	N/A	C0121911	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-224	Dresser	BM07868	N/A	C0121917	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-224	Dresser	BM07868	N/A	C0121918	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-222	Dresser	BM07866	N/A	C0121921	N/A	Unknown	Replacement	ASME SECT I 68
(4) MS-1-RV-222	Dresser	BM07866	N/A	C0121922	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-223	Dresser	BM07867	N/A	C0121923	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-225	Dresser	BM07869	N/A	C0123532	N/A	Unknown	Replacement	DRAFT ASME B&PV 68

9. Remarks (2)Replace Bolting (3)Mach. WK. Repair (4)Replace Internals
(Applicable Manufacturer's Data Reports to be attached)
(13) Install New Valve



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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 4 of 5

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

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

4. Identification of System Turbine Steam Supply System (04) (Class 2)
(See Below - Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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

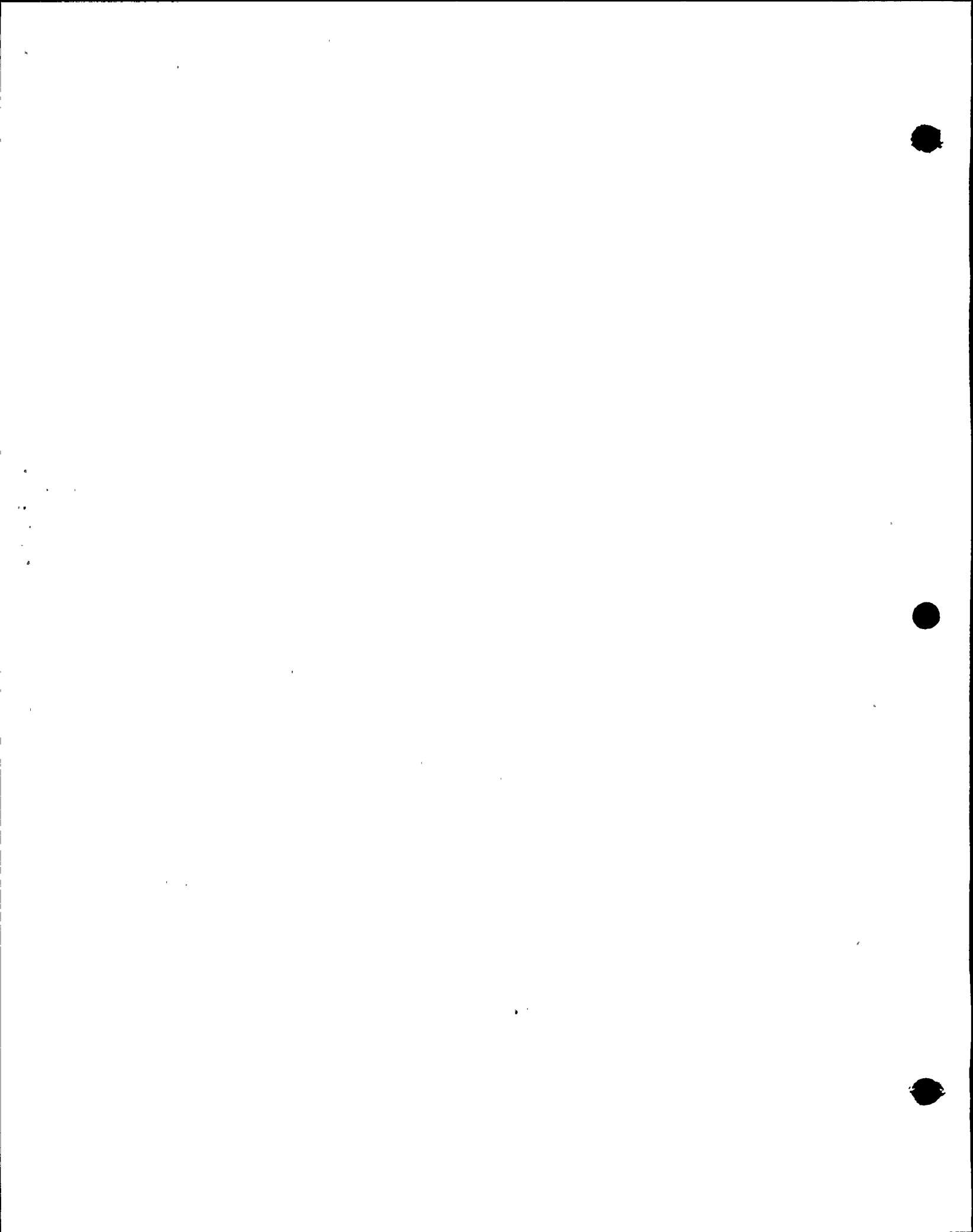
6. Identification of components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l Bd. No.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2) MS-1-RV-225	Dresser	BM07869	N/A	C0123536	1066	Unknown	Replacement	ASME Sect I 68
(2) MS-1-RV-13	Dresser	BM07860	N/A	C0123538	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(3) S/G 1-1	Westinghouse	1041	68-12	C0123863	N/A	1968	Repair	ASME III 68
(3) S/G 1-2	Westinghouse	1042	68-13	C0123864	N/A	1968	Repair	ASME III 68
(3) S/G 1-2	Westinghouse	1042	68-13	C0123867	N/A	1968	Repair	ASME III 68
(3) MS-1-RV-225	Dresser	BM07869	N/A	C0123999	1066	Unknown	Repair	DRAFT ASME B&PV 68
(4) SC-93-7965	Dresser	675330	N/A	C0124033	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-3	Dresser	BM07848	N/A	C0124076	0228	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-4	Dresser	BM07854	N/A	C0124100	0228	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-7	Dresser	BM07849	N/A	C0124106	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-58	Dresser	BM07851	N/A	C0124110	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-6	Dresser	BM07862	N/A	C0124113	0228	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-8	Dresser	BM07855	N/A	C0124121	0227	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-9	Dresser	BM07859	N/A	C0124126	0775	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-11	Dresser	BM07853	N/A	C0124131	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-12	Dresser	BM01757	N/A	C0124139	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(4) MS-1-RV-12	Dresser	BM01751	N/A	C0124140	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-14	Dresser	BM07864	N/A	C0124143	1065	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-59	Dresser	BM01747	N/A	C0124145	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(2) MS-1-RV-60	Dresser	BM01750	N/A	C0124147	1066	Unknown	Replacement	DRAFT ASME B&PV 68
(2) S/G 1-3	Westinghouse	1043	68-14	C0124386	N/A	1968	Replacement	ASME III 68
(2) S/G 1-4	Westinghouse	1044	68-15	C0124387	N/A	1968	Replacement	ASME III 68
(2) S/G 1-2	Westinghouse	1042	68-13	C0124491	N/A	1968	Replacement	ASME III 68
(2) S/G 1-1	Westinghouse	1041	68-12	C0124492	N/A	1968	Replacement	ASME III 68

9. Remarks (2)Replace Bolting (3)Mach. Work Repair (4)Replace Internals
(Applicable Manufacturer's Data Reports to be attached)







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 June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Reactor Coolant System (07) Class 1
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(2) RCS-1-8033A	Velan Valve	Unknown	N/A	C0095337	0014	Unknown	Replacement	USAS B16.5 68
(2) RCS-1-8033B	Velan Valve	Unknown	N/A	C0095342	0014	Unknown	Replacement	USAS B16.5 68
(2) RCS-1-8033C	Velan Valve	Unknown	N/A	C0095344	0013	Unknown	Replacement	USAS B16.5 68
(2) RCS-1-8033D	Velan Valve	Unknown	N/A	C0095346	0013	Unknown	Replacement	USAS B16.5 68
(2) RCS-1-8000B	Velan Valve	Unknown	N/A	C0095908	1172	Unknown	Replacement	USAS B16.5 68
(3) RCS-1-8028	Anchor Bolt	6814-69	N/A	C0115143	2998	Unknown	Repair	USAS B16.5 68

7. Description of Work (2)Replace Bolting (3)Mach. Work Repair
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

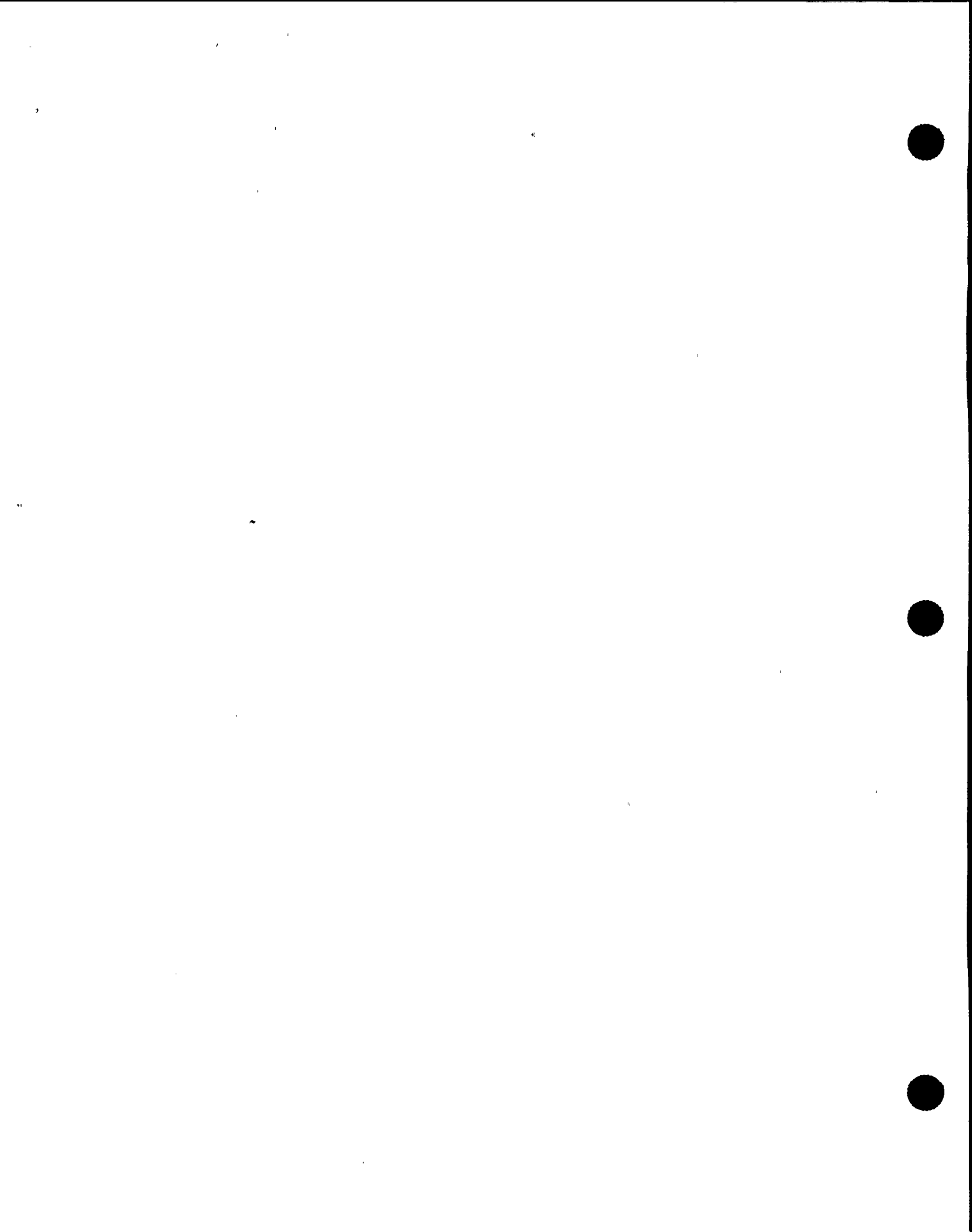
CERTIFICATE OF INSPECTION

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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(Inspector) (State or Province, National Board)
Kenny D. Kim

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





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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Chemical And Volume Control System (08) (Class 1/2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced or Stamped	ASME Code (Yes or No)
(8) 73-73R	PG&E	N/A	N/A	C0081479	0044	Unknown	Replacement	ANSI B31.1 67
(8) 73-50R	PG&E	N/A	N/A	C0109570	0047	Unknown	Replacement	ANSI B31.1 67
(10) 288-80R	PG&E	N/A	N/A	C0109571	0044	Unknown	Replacement	ANSI B31.7 69
(8) 73-39R	PG&E	N/A	N/A	C0109574	0047	Unknown	Replacement	ANSI B31.1 67
(1) 22-515R	PSA	1375	N/A	C0119317	0058	Unknown	Replacement	ASME III 65
(1) 22-211SL	PSA	20258	N/A	C0119319	0054	Unknown	Replacement	ASME III NF 77

7. Description of Work (1)Replace Hanger (8)Replace Support Parts (10)New Support
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed *Christopher R. Groff* Plant Engineering Director 7/19/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 *Kenny D. Kim* Commissions CA 1828 - NB 9990
(Inspector) (State or Province, National Board)
Kenny D. Kim

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





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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Chemical And Volume Control System (08) (Class 1/2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S178 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
*(11) Line 0044 elbow	PG&E	N/A	N/A	C0080334	0044	Unknown	Replacement	ASME III 83
*(11) Line 404	PG&E	N/A	N/A	C0081079	0404	Unknown	Replacement	ASME III 83
*(11) Line 405	PG&E	N/A	N/A	C0081079	0405	Unknown	Replacement	ASME III 83
*(11) Line 406	PG&E	N/A	N/A	C0081079	0406	Unknown	Replacement	ASME III 83
*(11) FE-110	PG&E	N/A	N/A	C0096773	0736	Unknown	Replacement	ASNI B31.7 69
*(13) CVCS-1-8388A	Velan Valve	N914	N/A	C0097312	0047	Unknown	Replacement	ASME III 71

7. Description of Work (11) Replace Pipe (13) Install New Valve
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks (* Line 0044 Elbow-Hydro-242 psi-200 deg f.)
(* Line 404,405,406-Hydro-755 psi-ambient test temp.)
(* FE-110, Line 0736-Hydro-140 psi-< 200 deg f.)(*CVCS-1-8388A Line 47-Hydro-3419 psi-ambient)

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 Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(Inspector) Kenny D. Kim (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 x 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.

4. Identification of System Chemical And Volume Control System (08) (Class 1/2)
(See Below - Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2/4) CVCS-1-HCV-142	Masoneilan	Unknown	N/A	C0102270	0048	Unknown	Replacement	USAS B16.5 68
(2) CVCS-1-LCV-460	Masoneilan	802077040000	N/A	C0107138	0024	Unknown	Replacement	USAS B16.5 68
*(12) PDP	PG&E	N/A	N/A	C0109909	0044	Unknown	Replacement	ASME III 83
*(12) Line 47	PG&E	N/A	N/A	C0109911	0047	Unknown	Replacement	ASME III 83
(14) R.O. 515	PG&E	N/A	N/A	C0110440	6131	Unknown	Replacement	ASME III 83
(14) R.O. 516	PG&E	N/A	N/A	C0110440	6125	Unknown	Replacement	ASME III 83
(14) R.O. 517	PG&E	N/A	N/A	C0110440	6130	Unknown	Replacement	ASME III 83
(4) BATHB-1	Des-Monies	DC211	N/A	C0112095	N/A	Unknown	Replacement	DRAFT ASME P&V 68
(15) CVCS-1-8440	Anchor Darlg	Unknown	N/A	C0112702	0041	Unknown	Replacement	USAS B16.5 68
(2) CHG. Pp 1-2	Pacific Pumps	45617	N/A	C0118221	N/A	Unknown	Replacement	ASME III 68
(3) CVCS-1-LCV-112B	Anchor Darlg	6819-1-11	N/A	C0119014	0041	Unknown	Replacement	USAS B16.5 68
(3) CVCS-1-8100	Anchor Darlg	Unknown	N/A	C0119017	3791	Unknown	Replacement	USAS B16.5 68
(2/4) CVCS-1-8107	Velan Valve	Unknown	N/A	C0119139	0048	Unknown	Replacement	USAS B16.5 68
(2) CHG. Pp 1-1	Pacific Pps.	45611	N/A	C0119230	N/A	Unknown	Replacement	ASME III 68
(3/4) CVCS-1-8112	Anchor Darlg	9847-70	N/A	C0119309	0062	Unknown	Replacement	USAS B16.5 68
(2/4) CVCS-1-LCV-460	Masoneilan	P00132-1	N/A	C0121471	0024	Unknown	Replacement	USAS B16.5 68
(16) Line 45	PG&E	N/A	N/A	C0125535	0045	Unknown	Replacement	ANSI B31.7 69
(2) CVCS-1-8378A	Velan Valve	Unknown	N/A	C0095754	0050	Unknown	Replacement	USAS B16.5 68
(2) CVCS-1-8378B	Velan Valve	Unknown	N/A	C0095755	0246	Unknown	Replacement	USAS B16.5 68
(2) CVCS-1-8378C	Velan Valve	Unknown	N/A	C0095757	0048	Unknown	Replacement	USAS B16.5 68
(2/4) CVCS-1-8379A	Velan Valve	Unknown	N/A	C0095758	0050	Unknown	Replacement	USAS B16.5 68
(2/4) CVCS-1-8475	Velan Valve	Unknown	N/A	C0095759	0047	Unknown	Replacement	USAS B16.5 68
(2/3) CVCS-1-8112	Velan Valve	9847-70	N/A	C0095801	3790	Unknown	Replacement	USAS B16.5 68
(4) BAT Pp. 1-1	Goulds Pps.	792A178.1	N/A	C0096441	N/A	Unknown	Replacement	ASME III 68

9. Remarks (2)Replace Bolting (3)Mach. Work Repair (4)Replace Internals (12)New Pipe
(Applicable Manufacturer's Data Reports to be attached)
(14)Fabricate R.O. (15)Replace Washers (16)Fabricate Spacer Ring
(*PDP Line 44-Hydro-275 psi-67.1 deg f) (*Line 47-Hydro-3419 Psi-55 deg f.)









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 June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 1)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(2) SI-1-8922A	Velan Valve	N/A	Unknown	C0095769	1980	Unknown	Replacement	USAS B16.5 68
(2) SI-1-8922B	Velan Valve	N/A	Unknown	C0095770	1981	Unknown	Replacement	USAS B16.5 68
(14) Accum 1-4 Noz*	Delta South	41049-69-2	2566	C0104294	N/A	1968	Repair	ASME III 68
(14) Accum 1-4 Noz*	Delta South	41049-69-2	2566	C0104787	N/A	1968	Repair	ASME III 68
(14) Accum 1-4 Noz*	Delta South	41049-69-2	2566	C0105032	N/A	1968	Repair	ASME III 68
(14) Accum 1-4 Noz*	Delta South	41049-69-2	2566	C0105380	N/A	1968	Repair	ASME III 68

7. Description of Work (2)Replace Bolting (14) Repair Nozzle
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
 Pressure psi Test Temp. °F
9. Remarks
(* Hydro Tested-770 PSI-Ambient temp.)

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 *Christopher R. Groff* Plant Engineering Director 7/14/94
 (Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 *Kenny D. Kim* Commissions CA 1828 - NB 9990
 (Inspector) (State or Province, National Board)
 Kenny D. Kim

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



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
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 Org. P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 1)
(See Below - Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(15) Accum 1-1 Noz	Delta South	41048-69-1	2566	C0105581	N/A	1968	Repair	ASME III 68
(15) Accum 1-2 Noz	Delta South	41048-69-8	2566	C0105650	N/A	1968	Repair	ASME III 68
(15) Accum 1-3 Noz	Delta South	41049-69-1	2566	C0105651	N/A	1968	Repair	ASME III 68
(15) Accum 1-4 Noz	Delta South	41049-69-2	2566	C0105652	N/A	1968	Repair	ASME III 68
(2/4) SI Pp. 1-2	Pac. Pumps	45498	N/A	C0106928	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(4) SI-1-8803A	Anchor Darlg	W-17618	N/A	C0110339	1974	Unknown	Replacement	USAS B16.5 68
(2) SI-1-8803B	Anchor Darlg	W-17618	N/A	C0110892	1975	Unknown	Replacement	USAS B16.5 68
(3) SI-1-8924	Anchor Darlg	9810-3170	N/A	C0112983	1988	Unknown	Repair	USAS B16.5 68
(2) SI-1-8977	Anchor Darlg	6815-629	N/A	C0112985	1986	Unknown	Replacement	USAS B16.5 68
(3) SI-1-8807A	Anchor Darlg	6819-2-17	N/A	C0119018	1985	Unknown	Repair	USAS B16.5 68
(2/4) SI-1-8807B	Anchor Darlg	6819-1-22	N/A	C0119019	1972	Unknown	Repair	USAS B16.5 68
(2) SI-1-8923A	Walworth Co.	72-N-278-7	N/A	C0119726	1982	Unknown	Replacement	USAS B16.6 68
(14) SI-1-8981	Aloyco	Unknown	N/A	C0122398	0223	Unknown	Repair	USAS B16.5 68
(4) SI-1-8905C	Rockwell	Unknown	N/A	C0123615	1976	Unknown	Replacement	USAS B16.5 68
(3) WIB-71	PG&E	N/A	N/A	C0124549	1991	Unknown	Repair	ANSI B31.7 69
(6) SI-1-8923A	Aloyco	72-N-278-7	N/A	C0124756	0982	Unknown	Repair	USAS B16.5 68
(16) Accum 1-1 Noz *	Delta South	41048-69-1	2566	C0124727	N/A	Unknown	Repair	ASME III 68
(17) Accum 1-1 Noz *	Delta South	41048-69-1	2566	C0124728	N/A	Unknown	Repair	ASME III 68
(5) SI-1-8981 **	Velan	Unknown	N/A	C0125286	0223	Unknown	Replacement	USAS B16.5 68
(11/2) Line 1980 ***	PG&E	N/A	N/A	C0099000	1980	Unknown	Replacement	ASME III 83
(18) Line 1991	PG&E	N/A	N/A	C0124549	N/A	Unknown	Repair	ANSI B31.7 69

9. Remarks (15) Metal Removal (14) Install Lift Lug (16) Replace Weld (17) Remove Weld
(Applicable Manufacturer's Data Reports to be attached)
(2) Replace Bolting (3) Mach. Work Repair (4) Replace Internals (6) Replace By Welding
(*Hydro Tested-770 psi-Ambient Temp.) (18) Remove Defect
(**Hydro Tested-563 psi-Ambient Temp.)
(*** Hydro Tested-2188 psi @ Ambient Temp.)





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 June 22, 1994
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 Org. P.O. No., Job No., etc.
See Above
4. Identification of System Residual Heat Removal System (10) (Class 1/2)
(See Below - Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced, or Replacement	ASME Code Stamped (Yes or No)
(8) 56s-21V	PG&E	N/A	N/A	C0098690	1661	Unknown	Replacement	ANSI B31.7 69
(10) 288-65R	PG&E	N/A	N/A	C0098706	0930	Unknown	Replacement	ANSI B31.7 69
(8) 4-42R	PG&E	N/A	N/A	C0098709	0930	Unknown	Replacement	ANSI B31.7 69
(8) 288-55R	PG&E	N/A	N/A	C0098710	0730	Unknown	Replacement	ANSI B31.7 69
(8) 56s-146R	PG&E	N/A	N/A	C0099916	1661	Unknown	Replacement	ANSI B31.1 69
(8) 10-33SL	Grinnell	32663	N/A	C0116789	2576	Unknown	Replacement	ANSI B31.1 69
(1) 10-39SL	Grinnell	32666	N/A	C0116790	0985	Unknown	Replacement	ANSI B31.1 69
(1) 12-2A SL	Grinnell	31721	N/A	C0116794	1665	Unknown	Replacement	ANSI B31.1 69
(1) 12-2B SL	Grinnell	32678	N/A	C0116795	1665	Unknown	Replacement	ANSI B31.1 69
(10) 288-68R	PG&E	N/A	N/A	C0098663	0119	Unknown	Replacement	ANSI B31.7 69
(10) 288-69R	PG&E	N/A	N/A	C0098665	0224	Unknown	Replacement	ANSI B31.7 69
(10) 288-72R	PG&E	N/A	N/A	C0098668	1661	Unknown	Replacement	ANSI B31.7 69
(8) 14-69R	PG&E	N/A	N/A	C0098676	1661	Unknown	Replacement	ANSI B31.7 69
(10) 55s-135SL	Anchor Darlg	853	N/A	C0098679	0119	Unknown	Replacement	ASME III NF 77
(10) 15-82R	PG&E	N/A	N/A	C0098692	1661	Unknown	Replacement	ANSI B31.7 69
(10) 23-161R	PG&E	N/A	N/A	C0098695	1662	Unknown	Replacement	ANSI B31.7 69
(10) 23-163R	PG&E	N/A	N/A	C0098697	1662	Unknown	Replacement	ANSI B31.7 69
(10) 23-166R	PG&E	N/A	N/A	C0098699	1662	Unknown	Replacement	ANSI B31.7 69
(10) 288-64R	PG&E	N/A	N/A	C0098705	0930	Unknown	Replacement	ANSI B31.7 69
(10) 288-71R	PG&E	N/A	N/A	C0098667	1661	Unknown	Replacement	ANSI B31.7 69
(10) 288-70R	PG&E	N/A	N/A	C0098666	1661	Unknown	Replacement	ANSI B31.7 69
(10) 288-57R	PG&E	N/A	N/A	C0098712	0119	Unknown	Replacement	ANSI B31.7 69
(10) 288-56R	PG&E	N/A	N/A	C0098711	0119	Unknown	Replacement	ANSI B31.7 69
(10) 288-66R	PG&E	N/A	N/A	C0098707	0118	Unknown	Replacement	ANSI B31.7 69

9. Remarks (8) Replaced Support Parts (10)New Support (1)Replace Hanger
(Applicable Manufacturer's Data Reports to be attached)





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 June 22, 1994
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
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal System (10) (Class 1/2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired, or Replaced	ASME Code Stamped (Yes or No)
(3) RHR-1-8742A	Anchor Darlg	EB539-3-1	N/A	C0095078	0118	Unknown	Repair	ASME III 86
(3) RHR-1-8742B	Anchor Darlg	EB539-1-1	N/A	C0095082	0735	Unknown	Replacement	ASME III 86
(2) FE-641A	PG&E	N/A	N/A	C0106922	0112	Unknown	Replacement	ANSI B31.7 69
(2) RHR Pp 1-1	Westinghouse	25-70	N/A	C0116037	N/A	Unknown	Replacement	DRAFT ASME B&PV 68
(3) RHR Hx 1-2	Eng.&Fabric	5155888B	N/A	C0124150	N/A	1968	Repair	ASME VIII 68

7. Description of Work (2)Replace Bolting (3)Machine Work
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(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 x 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.





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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach CA 93424
3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Containment Spray System (12) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced/Replacement	ASME Code Stamped (Yes or No)
(12) Line 6017/6038*	PG&E	Unknown	N/A	C0075977	6017/8	Unknown	Replacement	ANSI B31.7 69
(14) CS-1-9002A	Anchor Darlg	6815-69	N/A	C0112979	0264	Unknown	Replacement	USAS B16.5 68
(2/3) CS-1-9011A	Anchor Darlg	Unknown	N/A	C0115140	0325	Unknown	Replacement	USAS B16.5 68
(3) CS-1-9001A	Anchor Darlg	6820-1-28	N/A	C0119021	0264	Unknown	Replacement	USAS B16.5 68
(2) CS-1-9006B	Atoyco	Unknown	N/A	C0124157	0326	Unknown	Replacement	USAS B16.5 68
(14) CS-1-9002B	Anchor Darlg	6815.69	N/A	C0112982	0265	Unknown	Repair	USAS B16.5 68

7. Description of Work (2)Replace Bolting (3)Machine Work (14)Welding
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure 60 psi Test Temp. 110 °F
9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(Inspector) (State or Province, National Board)
Kenny D. Kim

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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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Containment Spray System (12) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(8) 16-81R	PG&E	N/A	N/A	C0119254	0265	Unknown	Replacement	ANSI B31.1 67
(8) 58s-142R	PG&E	N/A	N/A	C0119255	0264	Unknown	Replacement	ANSI B31.1 67
(1) 176-142SL	PG&E	9073	N/A	C0119328	0271	Unknown	Replacement	ASME III NF 77

Description of Work (1) Replace Hanger (8) Replace Support Parts

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

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

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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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Spent Fuel Pit Cooling System (13) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(10) 288-12R	PG&E	N/A	N/A	C0075978	6017	Unknown	Replacement	ANSI B31.1 83
(10) 288-13R	PG&E	N/A	N/A	C0075979	6017	Unknown	Replacement	ANSI B31.1 83

7. Description of Work (10) New Support

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

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

CERTIFICATE OF INSPECTION

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

Owner Pacific Gas and Electric Company Date June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Fire Protection System (18) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired/Replaced/Replacement	ASME Code Stamped (Yes or No)
(6) FP-1-FCV-633	Fisher	4938024	N/A	C0084373	0986	Unknown	Repair	DRAFT ASME B&PV 68

Description of Work (6) Replace By Welding

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

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
 (Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

CERTIFICATE OF INSPECTION

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

Owner Pacific Gas and Electric Company Date June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Component Cooling System (14) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(1) 13-1 SL	Grinne11	32685	N/A	C0116801	0320	Unknown	Replacement	ANSI B31.1 69

Description of Work (1) Replace Hanger

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

9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

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(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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Vent And Air Conditioning System (23) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(2) 336-31R	PG&E	N/A	N/A	C0126282	4390	Unknown	Replacement	ANSI B31.7 69

7. Description of Work (2) Replace Bolting

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

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) | Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

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(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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1
2. Plant Diablo Canyon Power Plant Unit 1
P.O. Box 56, Avila Beach CA 93424
3. Work Performed by Owner
See Above Repair Org. P.O. No., Job No., etc.
4. Identification of System Vent And Air Conditioning System (23) (Class 2)
(See Below - Code Stamp Column)
5. (a) Applicable Construction Code 19 Edition 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(5) VAC-1-201	Enertech	101183	N/A	C0110854	4389	Unknown	Replacement	ASME III NB 86
(2) FCV-663	Fisher	BF162029	N/A	C0106143	0647	Unknown	Replacement	USAS B16.5 68
(4) VAC-1-FCV-662	Fisher	16199-2	N/A	C0126217	0647	Unknown	Replacement	DRAFT ASME B8PV 68

7. Description of Work (2)Replace Bolting (4)Replace Internals (5)Replace Valve
8. Tests Conducted: * Hydrostatic Pneumatic Nominal Operating Pressure Other
Pressure psi Test Temp. °F
9. Remarks

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

CERTIFICATE OF INSPECTION

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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 June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Warehouse Stock Items (85) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired or Replaced	ASME Code Stamped (Yes or No)
(3) SC-93-7431	Anchor Darig	H666499	N/A	C0119692	N/A	Unknown	Repair	ASME III 83
(3) CCH-1-RV-52	Lonergran	Unknown	N/A	R0064362	N/A	Unknown	Repair	ASME III 83
(2) SC-95-0399	Velan Valve	5138	N/A	C0103461	N/A	Unknown	Replacement	USAS B16.5 68
(4) SC-93-7965	Dresser	1743	N/A	C0114144	N/A	Unknown	Replacement	DRAFT ASME B&PV 68

7. Description of Work (2) Replace Bolting (3) Machine Work Repair (4) Replace Internals

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

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/14/94
(Owner or Owner's Designee) Christopher R. Groff (Title) (Date)

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Date July 14, 1994 Kenny D. Kim Commissions CA 1828 - NB 9990
(Inspector) Kenny D. Kim (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 x 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.



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

1. Owner Pacific Gas and Electric Company Date June 22, 1994
77 Beale Street, San Francisco, CA 94106 Sheet 1 of 1

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

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

4. Identification of System Compressed Air System (25) (Class 2)
(See Below - Code Stamp Column)

5. (a) Applicable Construction Code 19 Edition 19 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.	Work Order No.	Other Ident. Line No.	Year Built	Repaired Replaced, or Replacement	ASME Code Stamped (Yes or No)
(3) AIR-S-1-114	Mission Drill	N/A	N/A	C0124251	3941	Unknown	Repair	ANSI B31.7 69

Description of Work (3) Machine Work Repair

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

9. Remarks _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code. Signed Christopher R. Groff Plant Engineering Director 7/19/94
(Owner or Owner's Designee) Christopher R. Groff (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 7-14, 1994 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

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Section H
Limited Accessibility of Piping Welds



THIRD PERIOD SECOND REFUELING OUTAGE REPORT (1R6)
ASME SECTION XI SYSTEMS - CLASS 1

ISI PROGRAM PLAN REQUEST FOR RELIEF
#NDE-008 ADDENDA (Note 5)

LINE	WELD NUMBER (Note 1)	% ACCESS (Note 2)	BASIS (Note 3)	LIMITATION	CODE ITEM (Note 4)
1	WIB-RC-1-18SE	40	2	Fixed RPV insulation blocks scans	B5.50
2	WIB-RC-2-20SE	75	2	Fixed RPV insulation blocks scans	B5.50
3	WIB-RC-3-18SE	75	2	Fixed RPV insulation blocks scans	B5.50
4	WIB-RC-4-18SE	75	2	Fixed RPV insulation blocks scans	B5.50
10	WIB-RC-2-20	75	4	Weld surface contour (taper) inhibits scans	B9.11
11	WIB-RC-3-13	25	4	Weld surface contour (taper) inhibits scans	B9.11
12	WIB-RC-4-13	25	4	Weld surface contour (taper) inhibits scans	B9.11

NOTES:

1. All other welds examined met Code requirements because they had at least 90% coverage or full vee scan from one side.
2. Surface examination coverage was 100% for all welds examined during 1R6.
3. BASIS: The basis for each weld inaccessibility is classified as follows:
 2. Wall or floor penetrations, hangers or components closely adjacent to the examination surface.
 4. Surface obstructions, including flanges or the bevels at valve bodies or thick wall fittings. These conditions, when present, may obstruct a portion of the test surface, especially from volumetric examinations due to transducer lift-off.
4. CODE ITEM: The ASME Section XI code item provides the specific weld examination requirements, e.g., volumetric and/or surface examination.
5. These welds were inspected during Unit 1 sixth refueling outage (1R6). See NDE-008 in Unit 1 ISI Program Plan, Revision 8, for inaccessible welds identified through 1R5.

