

DIABLO CANYON POWER PLANT
UNIT #2 PRESERVICE INSPECTION
SUMMARY REPORT

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PRESERVICE INSPECTION SUMMARY

DIABLO CANYON POWER PLANT

UNIT 2

USNRC DOCKET NO. 50-323

OPERATING LICENSE NO. DPR-82

COMMERCIAL OPERATION DATE MARCH 13, 1986

Prepared by:

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R. C. THORNBERRY DCPD Plant Manager

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A. INTRODUCTION

INTRODUCTION

Preservice Inspection (PSI) of Class 1 and 2 components and their supports of Pacific Gas and Electric Company's Diablo Canyon Unit #2 commenced in August 1976 and was completed March, 1986. The reasons for this extended time period include the decision to examine systems as construction was completed, and licensing delays due to seismic upgrades, Three Mile Island modifications, and the Independent Design Verification Program.

Components were selected for volumetric, surface and visual examination based on Section XI of the ASME Code, 1974 Edition with Summer 1976 Addenda. Subsequently the NRC did not endorse 1976 Code Addenda, and the 1977 Edition with Summer 1978 Addenda became the basis for preservice examinations. One exception has been taken to the Summer 1978 schedule: Class 2 pipe welds had been examined to the 1976 criteria of "single stream" inspection. Since examinations were already complete, this philosophy was maintained for Class 2 pipe welds into the 1978 Code application. However, all other examination categories based on pipe weld schedule were selected over the multiple streams. In other words, while pipe weld schedule is still based on single stream, vessel nozzles, support members, bolting, pump, and valve selection is



based on multiple stream as required by the Summer 1978 Code. In all cases, the number of pipe welds selected for examination is identical to the number which would be chosen under "multiple stream", and the streams which are not selected for NDE receive hanger inspection and visual examination during pressure test. Therefore the system integrity is monitored equally as well as it would be under "multiple stream."

The reactor vessel examination was completed using 'state of the art' equipment in early 1983, and covered all accessible areas of the reactor vessel including "near surface" areas under the vessel cladding and portions of the bottom head meridional welds.

For steam generator tubes, which were examined using single frequency eddy current equipment in 1976, the development of multifrequency equipment and specialized probes capable of examining short radius U-bends brought about the decision to reexamine 100% of the tubes in November 1982.

All pipe and component supports were examined to the criteria of Section XI, Summer 1978 Addenda (which includes VT-3 and VT-4 examination methods). Some hangers were examined to field as-built drawings while final engineering drawings are being prepared. These as-builts are compared with the final drawings as they are issued.

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

During the examinations, various minor irregular conditions were noted. For the most part, these consisted of arc strikes or superficial surface indications which were removed by blending or filing, and which did not reappear on retest. Three welds had indications that were ground out and rewelded, then retested. The examination tables detail these conditions and the corrective action taken. All examination results were acceptable at the completion of the PSI.

During the data review for preparation of this report it was discovered that the surface examination report for Weld WICG-3-1-LS (Line 228) showed an exam limitation due to a glue deposit on the weld. The eleven inches of weld not tested will be cleaned and examined no later than the first refueling outage.



To assure that the original examination records are still current, a detailed review of construction records was completed February 28, 1986. It identified only one system change (WIC-1056 on line 42) made in the interviewing years that did not receive the preservice reexamination required by Code. In that case, radiography was used for the examination rather than liquid penetrant. This weld is scheduled for surface examination no later than the first refueling outage.

This Report also contains a section for Requests for Relief, all granted by the NRC, and a Repair and Replacement section. Requests for relief for inservice inspection were submitted with the Diablo Canyon Unit 2 Inservice Inspection and Testing Program Plan. The repair and replacement section has a separate introductory page and includes the NIS-2 forms that document repairs and replacements to the Section XI Class 1 and 2 components and their supports.

B. ASME CODE DATA REPORT NIS-1

0445S/0035K

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 Street, 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 TWO 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 03/13/86 6. National Board Number for Unit N/A
7. Components Inspected All 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 68101	T.B.A	21359
Pressurizer	Westinghouse	1171	N/A	68-106
Stm. Gen. 2-1	Westinghouse	1161	N/A	68-89
Stm. Gen. 2-2	Westinghouse	1162	N/A	68-90
Stm. Gen. 2-3	Westinghouse	1163	N/A	68-91
Stm. Gen. 2-4	Westinghouse	1164	N/A	68-92
R.C. Pump 2-1	Westinghouse	711	N/A	N/A
R.C. Pump 2-2	Westinghouse	712	N/A	N/A
R.C. Pump 2-3	Westinghouse	713	N/A	N/A
R.C. Pump 2-4	Westinghouse	714	N/A	N/A
Class 1 Piping	Wisner & Becker/Kellogg	N/A	N/A	N/A
Class 1 Valves	Various	N/A	N/A	N/A
Class 1 Comp. Support	Various	N/A	N/A	N/A

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)
(CLASS-1)

8. Examination Dates 8-76 to 3-85 9. Inspection Interval from PSI to PSI
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Refer to PSI Summary. See Summary Relief from Code Requirements (Section E) for requests for Relief which documents exceptions taken.
11. Abstract of Conditions Noted: Various items required repair or replacement. All items acceptable per Sec. XI S'75 (See Item 12).
12. Abstract of Corrective Measures Recommended and Taken: Various individual Section XI repair/replacement plans were implemented prior to 10/82. Generic Section XI repair/replacement plan was used after 10/82. Form NIS-2 documents the repairs/replacements made after 9-81.

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 6/2 19 86 Signed Plant Manager By R. C. THORNBERRY
Owner

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 of Hartford, CT have inspected the components described in this Owners' Data Report during the period 8-76 to 3-85, 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: 6/3 19 86

R. K. JOHNSON Commissions NB3594 CA 1419
Inspector's Signature National Board, State, Province and No.

All pipe and component supports were examined to the criteria of Section XI, Summer 1978 Addenda (which includes VT-3 and VT-4 examination methods). Some hangers were examined to field as-built drawings while final engineering drawings are being prepared. These as-builts are compared with the final drawings as they are issued.



FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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(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 TWO 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 03/13/86 6. National Board Number for Unit N/A
7. Components Inspected All ASME Code Class 2 Items (Continued on Page 2 of 2)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Stm. Gen. 2-1	Westinghouse	1161	N/A	68-89
Stm. Gen. 2-2	Westinghouse	1162	N/A	68-90
Stm. Gen. 2-3	Westinghouse	1163	N/A	68-91
Stm. Gen. 2-4	Westinghouse	1164	N/A	68-92
Boron Inj. Tk.	Struthers Wells Corp.	2-70-07-30717-8	N/A	13345
Seal Inj. Fl.1	Commercial Filters Corp.	17392-1834	N/A	1371
Seal Inj. Fl.2	Commercial Filters Crop.	17392-1835	N/A	1372
Exc. Ltn. Hx	Atlas Industrial Mfg. Co.	854	N/A	705
Regenerat. Hx	Joseph Oat & Sons	1831-4I	N/A	432
Regenerat. Hx	Joseph Oat & Sons	1831-4II	N/A	433
Regenerat. Hx	Joseph Oat & Sons	1831-4III	N/A	434
RHR HX 2-1	Engineers & Fabricators	S-15588-C	N/A	1112
RHR HX 2-2	Engineers & Fabricators	S-15588-D	N/A	1113
Stablzr. Sepr.	General Atomic	E-610	N/A	125
Liquid Puls. Dmp.	General Atomic	E-611	N/A	126
RHR Pump 2-1	Ingersoll Rand	037049	N/A	N/A

Continued on Page 2 of 2

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 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

1. Owner Pacific Gas & Electric Co., 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 Two 4. Owner Certificate of Authorization (if required) N/A5. Commercial Service Date 03/13/86 6. National Board Number for Unit N/A7. Components Inspected All ASME Code Class 2 Items (Con't from Sheet 1)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RHR Pump 2-2	Ingersoll Rand	A69-35	N/A	N/A
S.I. Pump 2-1	Pacific Pumps	45489	N/A	N/A
S.I. Pump 2-2	Pacific Pumps	45500	N/A	N/A
C. Ch. Pp. 2-1	Pacific Pumps	45512	N/A	N/A
C. Ch. Pp. 2-2	Pacific Pumps	45518	N/A	N/A
R. Ch. Pp. 2-3	Union Pump	274174	N/A	N/A
C1. 2 Piping	M.W. Kellogg/Pullman Pwr	N/A	N/A	N/A
C1.2 Valves	Various	N/A	N/A	N/A
C1.2 Comp. Sup	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)
(CLASS-2)

8. Examination Dates 8-76 to 3-85 9. Inspection Interval from PSI to PSI

10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Refer to PSI Summary. See Summary Relief from Code Requirements (Section E) for requests for Relief which documents exceptions taken.
11. Abstract of Conditions Noted.: Various items required repair or replacement. All items acceptable per Sec. XI S'75 (See Item 12).
12. Abstract of Corrective Measures Recommended and Taken : Various individual Section XI repair/replacement plans were implemented prior to 10/82. Generic Section XI repair/replacement plan was used after 10/82. Form NIS-2 documents the repairs/replacements made after 9-81.

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 6/2 19 86 Signed Plant Manager By R. C. Thornberry
Cwner R. C. THORBERRY

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 of Hartford, CT have inspected the components described in this Owners' Data Report during the period 8-76 to 3-85, 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 6/3 19 86
R. K. Johnson Commissions NB8694 CA 1419
Inspector's Signature National Board, State, Province and No.
R. K. JOHNSON

All pipe and component supports were examined to the criteria of Section XI, Summer 1978 Addenda (which includes VT-3 and VT-4 examination methods). Some hangers were examined to field as-built drawings while final engineering drawings are being prepared. These as-builts are compared with the final drawings as they are issued.



C. CLASS 1 COMPONENTS

C.1. Vessels

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: REACTOR VESSEL (B-A)(1.1)
PAGE: 1 OF 9

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-A	<u>Reactor Vessel</u>	Serial No. C.E. 68101 DWG. Ref. CE234-152-6 DC663201-76						
	Pressure Retaining Welds							(xx-xx) Construction DWG.#
	<u>Shell Welds</u>	[1.1-1]*						[ISI DWG Page #]
B1.11	-Circumferential- Upper Course (to) Intermediate (to) Lower Course (to) Bottom Head	<u>Weld No.'s</u> 8-201 9-201 10-201	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83	--- --- ---	--- --- ---	
B1.12	-Longitudinal- Upper Course	<u>Weld No.'s</u> 1-201A 1-201B 1-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83	--- --- ---	--- --- ---	
	Intermediate Course	<u>Weld No.'s</u> 2-201A 2-201B 2-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83	--- --- ---	--- --- ---	
	Lower Course	<u>Weld No.'s</u> 3-201A 3-201B 3-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83	--- --- ---	--- --- ---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: REACTOR VESSEL (B-A)(1.1)
PAGE: 2 OF 9

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-A	Reactor Vessel - Cont'd	Serial No. C.E. 68101						
	Head Welds	[1.1-1]						
B1.21	- Circumferential-	Weld No.'s						
	Bottom Head	4-202		1	N/A	---	---	Not Accessible
	Closure Head	6-205B		1	N/A	---	---	Not Accessible
B1.22	- Meridional Welds-	Weld No.'s		(6)	Jan.83 thru Mar.83			
	Bottom Head	1-202A		1		---	---	Accessibility limited due to bottom mounted instrument penetrations
		1-202B		1		---	---	
		1-202C		1		---	---	
		1-202D		1		---	---	
		1-202E		1		---	---	
		1-202F		1		---	---	
	Closure Head @ Stud	Weld No.'s		(6)	Jan.83 thru Mar.83			
	#5-6	1-205A	UT	1		---	---	Meridional welds are only accessible from flange to vessel weld to head stroud
	#14-15	1-205B	UT	1		---	---	
	#23-24	1-205C	UT	1		---	---	
	#33-34	1-205D	UT	1		---	---	
	#41-42	1-205E	UT	1		---	---	
	#50-51	1-205F	UT	1		---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: REACTOR VESSEL (B-A)(1.1)
PAGE: 3 OF 9

CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
B-A	<u>Reactor Vessel</u> - Cont'd	[1.1-1]						
B1.30	Shell To Flange Weld	<u>Weld No.</u>	UT	(1)	Jan.83 thru Mar.83			
		7-201 (From Flange)		1		---	---	
B1.40	Head To Flange Weld	<u>Weld No.</u>	UT	(1)	Jan.83 thru Mar.83			
		6-205A		1		---	---	
	(B1.50) <u>Repair Welds</u> Beltline Region		N/A	N/A	---	---	---	No known repair area in base metal in core region or elsewhere

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: REACTOR VESSEL (B-D)(1.1)
PAGE: 4 OF 9

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-D	Reactor Vessel - Cont'd	[1.1-1]						
B3.90	Nozzle To Vessel Welds							
B3.100	Nozzle inside radius			(8)				
		Weld No.'s						
	Outlet Nozzle Loop 1	*1-29SPL @ 338°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Outlet Nozzle Loop 2	*2-29SPL @ 22°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Outlet Nozzle Loop 3	*3-29SPL @ 158°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Outlet Nozzle Loop 4	*4-29SPL @ 202°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Inlet Nozzle Loop 1	*9-27.5SPL @ 293°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Inlet Nozzle Loop 2	*10-27.5SPL @ 67°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
	Inlet Nozzle Loop 3	*11-27.5SPL @ 113°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: REACTOR VESSEL (B-D)(B-F)(1.1)
PAGE: 5 OF 9

CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
B-D.	Reactor Vessel - Cont'd	[1.1-1]						
B3.100 (cont'd)	Inlet Nozzle Loop 4	*12.27.5SPL @ 247°	UT	1	1/83-3/83	---	---	
		Inner Radius	UT	1	12/3/82	---	---	
<u>NOTE:</u>	Code Category B-E references pressure test.							
B-F B5.10	Pressure Retaining Dissimilar Metal Welds							
	Nozzle Safe Ends Welds							
	See Table 1.4 page 1 & 2 this summary							

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: REACTOR VESSEL (B-G)(1.1)
PAGE: 6 OF 9

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-G	<u>Reactor Vessel -</u> Cont'd Pressure Retaining Bolting	[1.1-1]						
B-G-1	<u>Bolting Larger than</u> <u>2" dia.</u>							
B6.10	Closure Head Nuts	RPV Stud Nuts No. 1(to)No.54	MT	54	3/16/76	---	---	
B6.20	Closure Studs, In Place	RPV Studs No.1(to)No.54	UT	54	---	---	---	N/A Pre-service See B1.8
B6.30	Closure Studs, (when) Removed	RPV Studs No.1(to)No.54	UT MT	54	2/19/76 2/9/76	---	---	
B6.40	Flange Ligaments (Between Stud Holes)	RPV Ligaments No.1(to)No.54	UT	54	1/24/83	---	---	
B6.50	Closure Washers, (and Bushing)*	RPV Stud Washer Pair No.1 (to) No.54	MT	54	3/17/76	---	---	* Bushings N/A



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: REACTOR VESSEL (B-G,H&N)(1.1)
PAGE: 7 OF 9

CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
B-G	<u>REACTOR VESSEL -</u> Cont'd Pressure Retaining Bolting	[1.1-1]						
B-G-2	<u>Bolting < 2" Dia.</u>							
B7.10	Marmon Clamps (Bolts, Studs & Nuts)	Conoseal Bolts For In-Core Thermocouples	VT	15	9/13/84	---	---	Examined by trained Quality Control personnel not specifically certified for VT-1. That exam and leak- tight status confirm integrity.
B-H	<u>INTEGRALLY WELDED ATTACHMENTS</u>							
B8.10	Integrally Welded Attachments		-	-	-	---	---	Items not applicable. Vessel is supported by integral cast nozzle pads
B-N-1	<u>VESSEL INTERIOR</u>							
B13.10	Vessel Interior	Upper and Lower Internals Thermal Shield Drive Rods	VT	Sur. Area	8/27/73	---	---	Internals and interior examined by trained Quality personnel not specifically certified to VT-3. Inservice exams required first outage.

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: REACTOR VESSEL (B-N)(1.1)
PAGE: 8 OF 9

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-N	<u>Reactor Vessel</u> - Cont'd	[1.1-1]						
B-N-3 B13.30	<u>Removable Core</u> Support Structures	Core Barrel	VT	1	---	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: REACTOR VESSEL (B-0)(1.1)
PAGE: 9 OF 9

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-0	<u>Reactor Vessel</u> Contd	[1.1-1]						
B14.10	Welds in CRD Housing	CRDM	PT	26	1/8/85	---	---	There are 26 peripheral CRD welds.

END OF TABLE 1.1



1



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PRESSURIZER (B-B)(1.2)PAGE: 1 OF 3

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-B	<u>PRESSURE VESSEL</u> <u>WELDS</u>	Serial No. W 1051						
B2.1	Pressurizer Vessel Shell To Head Welds	DWG. Ref DC663208-15-1						
B2.11	- Circumferential -	[1.2-1]		(2)				
	Bottom Head to Lower Course	<u>Weld No.</u> <u>Girth 1</u>	UT	1	11/16/76	---	---	
	Upper Course to Top Head	<u>Weld No.</u> <u>Girth 5</u>	UT	1	11/16/76	---	---	
				(2)				
B2.12	- Longitudinal - [Bottom Head] Lower Course	<u>Weld No.</u> <u>Long'l 6</u>	UT	1	11/16/76	---	---	
	Upper Course [Top Head]	<u>Weld No.</u> <u>Long'l 9</u>	UT	1	11/17/76	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PRESSURIZER (B-B,D,E,F)(1.2)
PAGE: 2 OF 3

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-B	<u>Pressurizer Vessel</u> - Cont'd	[1.2-1] -Remarks-	-	-				Items are not applicable. Upper and
B2.20	<u>Head Welds</u>							lower heads are cast carbon steel.
B2.21	-Circumferential (and)							
B2.22	-Meridional		-	-				
B-D								
B3.110	<u>Nozzle To Vessel Welds</u>							
B3.120	<u>Nozzle Inside Radius</u>							Nozzle Inside Radius Section Relief #18 (Ref. SER Sup. 13)
	Surge Line Nozzle @ Line 2*16-16-SPL	WIB-439 N/S Inner Radius	UT Remarks	1	---	---	---	Nozzle to shell weld inaccessible for examination due to heater penetrations (ISI Relief 004B)
	Spray Line Nozzle @ Line S6-15.4SPL	WIB-346 N/S Inner Radius	UT Remarks	1	1/22/85	---	---	
	Relief Line Nozzle @ Line 2S6-730-6SPL	WIB-379 N/S Inner Radius	UT Remarks	1	1/22/85	---	---	
	Safety Nozzle @ Line 2S6-729-6SPL	WIB-368 N/S Inner Radius	UT Remarks	1	1/22/85	---	---	
	Safety Nozzle @ Line 2S6-728-6SPL	WIB-422A N/A Inner Radius	UT Remarks	1	1/22/85	---	---	
	Safety Nozzle @ Line 2S6-727-6SPL	WIB-358 N/S Inner Radius	UT	1	1/22/85	---	---	

NOTE: Code Category B-E references pressure test.

B-F Pressure Retaining See Tab. 1.4
B5.20 Dissimilar Metal Page 2
Welds



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PRESSURIZER (B-F,G,H)(1.2)
PAGE: 3 OF 3

CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
B-F	<u>Pressurizer Vessel</u> - [1.2-1]							
	Cont'd.							
B-G								
B-G-1	<u>Pressure Retaining</u> <u>Bolting</u> (Larger than 2 In. Diameter)							
B6.60	Bolts & Studs, In Place		-	-				Items B6.60 and B6.70 not applicable
B6.70	Bolts & Studs, When Removed							
B-G-2	<u>Pressure Retaining</u> <u>Bolting</u> (2 in.dia. and less)							
B7.20	Upper Head	Manway Bolting	VT	16	1/28/85	---	---	
B-H	<u>Vessel Supports</u>							
B8.20	<u>Integrally welded</u> <u>(Support) attachments</u>	<u>Weld No.</u>						
	Support Skirt	Girth 10	UT	1	11/16/76	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (B-B)(1.3)
PAGE: 1 OF 4

CATEGORY								CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
B-B	Steam Generators (Primary Side)- Head Welds	DWG.REF DC-663206-77-1 [1.3-1]							
B2.31	Circumferential and		-	-					Items not
B2.32	Meridional Welds								applicable. Channel heads are cast carbon steel.
B2.40	Tubesheet to Head Welds	<u>Weld No.</u>		(4)					
	Steam Generator 2-1 (Serial No. 1161)	Channel Hd 2-1	UT.	1	12/8/77	---	---		
	Steam Generator 2-2 (Serial No. 1162)	Channel Hd 2-2	UT	1	12/9/77	---	---		
	Steam Generator 2-3 (Serial No. 1163)	Channel Hd 2-3	UT	1	12/9/77	---	---		
	Steam Generator 2-4 (Serial No. 1164)	Channel Hd 2-4	UT	1	11/2/78	---	---		



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (B-D)(B-F)(1.3)
PAGE: 2 OF 4

CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
B-D	<u>Steam Generators -</u> Cont'd	[1.3-1]						
B3.130 B3.140	<u>Nozzle To Vessel</u> Welds and Nozzle inside Radius Section		-	-			Category B-D, Item B3.130 nozzle to vessel welds does not apply to Diablo Canyon steam generators. Code Fig. IWB-2500 D does not apply. Nozzles are integrally cast.	Nozzles are integrally cast to channel head. For inner radius section, see relief #19. (Ref. SER Sup. 13)

NOTE: Code Category B-E Not Applicable to Stm. Gen.'s

Steam Generators-
Cont'd [1.3-1]

B-F
B5.30 Pressure Retaining
Dissimilar Metal
Welds

(Channel Head)

See Table 1.4 Page 4



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (B-G)(B-H)(1.3)
PAGE: 3 OF 4

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-G	<u>Steam Generators -</u> Cont'd	[1.3-1]						
B-G-1	<u>Pressure Retaining</u> <u>Bolting</u> (Larger than 2" Dia.)		-	-				B-G-1 Items Not applicable
B-G-2 B7.30	<u>Pressure Retaining</u> <u>Bolting</u> (2" Dia. and Less)	<u>Channel Hd</u> <u>Manway Bolting</u>		(128)				
	Steam Generator 2-1	No.1(to)No.16	VT VT	16 16	9/23/85	---	---	Inlet Outlet
	Steam Generator 2-2	No.1(to)No.16	VT VT	16 16	9/23/85	---	---	Inlet Outlet
	Steam Generator 2-3	No.1(to)No.16	VT VT	16 16	9/23/85	---	---	Inlet Outlet
	Steam Generator 2-4	No.1(to)No.16	VT VT	16 16	9/23/85	---	---	Inlet Outlet
B-H	<u>Integrally Welded</u> <u>Vessel Supports</u>							
B8.30	Integrally Welded Supports							B8.30 items not applicable. Vessel is supported by integrally cast pads.

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: STEAM GENERATORS (B-Q)(1.3)PAGE: 4 OF 4

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
		<u>Steam Generator's -</u>						
		Cont'd						
B-Q*	<u>Steam Generator Tubing</u>							*B-Q and B16.20 as defined in S'78 addenda
	U-Tube Design	From <u>Tube Map</u>		13,552 Tubes				
B16.20*	Steam Generator (U-Tube Design)	Gen 2-1	ET	3,388	10-82	---	---	Reference Plant
		Gen 2-2	ET	3,388	10-82	---	---	Technical Spec.
		Gen 2-3	ET	3,388	10-82	---	---	3/4.4.5 for inspection
		Gen 2-4	ET	3,388	10-82	---	---	requirements.

END OF TABLE 1.3



C.2. Piping

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING (S.E.) WELDS (B-F)(1.4)
PAGE: 1 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-F	<u>Pressure Retaining Dissimilar Metal Welds</u>	<u>Reactor Vessel</u> Piping "Pup" is 316 stainless welded directly to RPV clad buttering. "Pup" to pipe is not considered a bi-metal weld joint.						
B5.50	<u>Piping-Safe End Welds</u> <u>Reactor Vessel</u>			(8)				
		Weld No.'s & Line No.'s						
	Outlet Nozzle Loop 1 (RC2-1) [1.4-1]	WIB-RC-1-1SE *1-29SPL	PT UT	1	11/19/76 10/11/78	--- ---	---	
	Outlet Nozzle Loop 2 (RC2-2) [1.4-2]	WIB-RC-2-1SE *2-29SPL	PT UT	1	11/15/77 10/11/78	MISC. OD Surface Indications	Removed by Buffing NRI After Removal	
	Outlet Nozzle Loop 3 (RC2-3) [1.4-3]	WIB-RC-3-1SE *3-29SPL	PT UT	1	11/18/76 10/10/78	--- ---	---	
	Outlet Nozzle Loop 4 (RC2-4) [1.4-4]	WIB-RC-4-1SE *4-29SPL	PT UT	1	11/19/76 11/17/77	--- ---	---	
	Inlet Nozzle Loop 1 (RC2-1) [1.4-1]	WIB-RC-1-16SE *9-27.5SPL	PT UT	1	11/9/76 12/7/77	--- ---	---	
	Inlet Nozzle Loop 2 (RC2-2) [1.4-2]	WIB-RC-2-16SE *10-27.5SPL	PT UT	1	11/18/76 10/11/78		---	
	Inlet Nozzle Loop 3 (RC2-3) [1.4-3]	WIB-RC-3-16SE *11-27.5SPL	PT UT	1 1	11/15/77 11/17/77	MISC. OD SURFACE INDICATIONS	Removed by Buffing NRI After Removal	



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DIABLO CANYON POWER PLANT UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PIPING (S.E.) WELDS (B-F)(1.4)
PAGE: 2 OF 57

CATEGORY							CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED		
B-F	<u>Pressure Retaining</u> <u>Dissimilar Metal</u> <u>Welds</u>	<u>Weld No.'s</u> <u>Line No.'s</u>						
B5.50	Inlet Nozzle Loop 4 (RC2-4) [1.4-4]	WIR-RC-4-16SE *12.27.5SPL	PT UT	1 1	11/19/76 12/5/77	--- ---	--- ---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING (S.E.) WELDS (B-F)(1.4)
PAGE: 3 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-F B5.50	<u>Piping-Safe Ends, -</u> Cont'd	Nozzle end reducer sections are 316 SS welded directly to nozzle. Reducer to pipe is not considered a Bi-metal weld joint						
(B5.20)	<u>Pressurizer</u>	Note B9.11 for system schedule continuation (Table 1.4 Page 10)						
		Weld No.'s & Line No.'s		(6)				(Pzr = Pressurizer)
	Pzr RV-8010A, Inlet (7-17) [1.4-19]	WIB-369SE S6-729-6SPI	PT UT	1 1	1/5/77 12/14/76	--- ---	--- ---	(Upper Head)
	Pzr RV-8010B, Inlet (7-19) [1.4-20]	WIB-423SE S6-728-6SPL	PT UT	1 1	12/14/76 12/16/76	--- ---	--- ---	
	Pzr RV-8010C, Inlet (7-18) [1.4-21]	WIB-359SE S6-727-6SPL	PT UT	1 1	12/14/76 1/4/77	--- ---	--- ---	
	Pzr Power RV, Inlet (7-20) [1.4-22]	WIB-380SE S6-730-6SPL	PT UT	1 1	12/14/76 1/16/85	--- ---	--- ---	
	Pzr Spray Line (7-24) [1.4-26]	WIB-345SE S6-15-4SPL	PT UT	1 1	12/14/76 12/16/76	--- ---	--- ---	
	Pzr Surge Line (P445893) [1.4-5]	WIB-439SE *16-14SPL	PT UT	1 1	11/30/77 1/9/85	--- ---	--- ---	(Lower Head)

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING (S.E.) WELDS (B-F)(1.4)
PAGE: 4 OF 57

CATEGORY		CORRECTIVE ACTION (IF REQUIRED)							REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
B-F B5.50	<u>Piping - Safe Ends, Cont'd Steam Generator</u>	<u>NOTE:</u> Stainless steel piping is welded directly to Nozzle							
		<u>NOTE:</u> See B4.5 for system schedule continuation							
		Weld No.'s & Line No.'s (2 per item)		(8)					
(B5.30)	<u>Steam Generator 2-1</u>								
	Reactor Coolant Out (RC2-1) [1.4-1]	WIB-RC-1-5CE *1-29SPL	PT UT	1 1	11/9/77 12/6/77	--- ---	--- ---	<u>Channel Head Inlet</u>	
	Reactor Coolant Pp Suct Loop 1 (RC2-1) [1.4-1]	WIB-RC-1-6SE *5-31SPL	PT UT	1 1	11/9/77 12/6/77	--- ---	--- ---	Outlet	
	<u>Steam Generator 2-2</u>								
	Reactor Coolant A. Loop 2 (RC2-2)[1.4-2]	WIB-RC-2-5SE *2-29SPL	PT UT	1 1	11/8/77 2/2/78	--- ---	--- ---	Inlet	
	Reactor Coolant Pp Suct Loop 2 (RC2-2) [1.4-2]	WIB-RC-2-6SE *6-31SPL	PT UT	1 1	11/8/77 12/5/77	--- ---	--- ---	Outlet	
	<u>Steam Generator 2-3</u>								
	Reactor Coolant Out Loop 3 (RC2-3)[1.4-3]	WIB-RC-3-5SE *3-29SPL	PT UT	1 1	11/8/77 11/29/77	--- ---	--- ---	Inlet	
	Reactor Coolant Pp Suct Loop 3 (RC2-3) [1.4-3]	WIB-RC-3-6SE *7-31SPL	PT UT	1 1	3/21/78 2/2/78	Linear Surface Indication	NRI After Removal	Outlet	
	<u>Steam Generator 2-4</u>								
	Reactor Coolant Out Loop 4 (RC2-4)[1.4-4]	WIB-RC-4-5SE *4-29SPL	PT UT	1 1	11/9/77 11/29/77	--- ---	--- ---	Inlet	



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DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PIPING (S.E.) WELDS (B-F)(1.4)
PAGE: 5 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-F B5.50	<u>Piping-Safe Ends,</u> <u>Cont'd Steam Generators</u>							
(B5.30)	Reactor Coolant Pp Suct Loop 4(RC2-4) [1.4-4]	Weld No. & Line No. WIB-RC-4-6SE *8-31SPL	PT UT	1	11/8/77 11/29/77	--- ---	--- ---	Outlet



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING BOLTING (B-G)(1.4)
PAGE: 6 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G.	<u>Piping</u> - Cont'd							
B-G-1	<u>Pressure Retaining Bolting</u> (Larger than 2 In. Dia)		-	-				B-G-1 Items not applicable
B-G-2	<u>Pressure Retaining Bolting</u> (2 In. Dia. & Less)							
B7.50	<u>3 Inch Diameter Pipe</u>	<u>Line No. & Flange. No.</u>						
	Loop 1 Hot Leg RTD Conn (7-13) [1.4-27]	S6-1141-3SPL 2-FE-499A	VT	8 studs & 16 nuts	1/28/85	--- ---	--- ---	8 studs, 16 nuts typical
	Loop 2 Hot Leg RTD Conn (7-25) [1.4-28]	S6-1147-3SPL 2-FE-499B	VT	8 studs & 16 nuts	1/28/85	--- ---	---	FE = Flow Element
	Loop 3 Hot Leg RTD Conn (7-15) [1.4-29]	S6-1153-3SPL 2-FE-499C	VT	8 studs & 16 nuts	1/28/85	--- ---	---	
	Loop 4 Hot Leg RTD Conn (7-16) [1.4-30]	S6-1158-3SPL 2-FE-499D	VT	8 studs & 16 nuts	10/02/85	Leaking Flange	To be repaired first outage	Accepted for operation Ref. AR-A0007934



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PIPING BOLTING (B-G)(1.4)
PAGE: 7 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	<u>Piping</u> - Cont'd							Flange Between
B7.50	<u>Bolting</u> - Cont'd							Welds Number
	<u>2 In. Dia. Pipe</u>	<u>Line No.</u> <u>& Flange No.</u>						
	Loop 1 Cold Leg RTD Conn (7-441) [1.4-55]	S6-1140-2SPL REMARKS	VT	8 studs & 16 nuts	1/30/85	---	---	WIB-981/WIB-982
	Loop 2 Cold Leg RTD Conn (7-452) [1.4-56]	S6-1146-2SPL REMARKS	VT	8 studs & 16 nuts	1/30/85	---	---	WIB-1003/WIB-1004
	Loop 3 Cold Leg RTD Conn (7-447) [1.4-57]	S6-1152-2SPL REMARKS	VT	8 studs & 16 nuts	1/30/85	---	---	WIB-1022/WIB-1023
	Loop 4 Cold Leg RTD Conn (7-446) [1.4-58]	S6-1159-2SPL REMARKS	VT	8 studs & 16 nuts	1/30/85	---	---	WIB-1036/WIB-1037
	<u>1.5 In. Dia. Pipe</u>	<u>After 2x1.5 Red</u>						
	Reac Cool Pp 1 Seal Wtr In(8-599) [1.4-40]	S6-54-1.5 REMARKS	VT	4 studs & 8 nuts	1/29/85	---	---	WIB-842/WIB-843
	Reac Cool Pp 2 Seal Wtr In(8-602) [1.4-41]	S6-5398-1.5 REMARKS	VT	4 studs & 8 nuts Each	1/30/85	---	---	Two Flanges WIB-857/WIB-858A and WIB-858S/WIB-858T WIB-869/WIB-870A
	Reac Cool Pp 3 Seal Wtr In(8-597) [1.4-42]	S6-56-1.5 REMARKS	VT	4 studs & 8 nuts	1/31/85	---	---	
	Reac Cool Pp 4 Seal Wtr In(8-598) [1.4-43]	S6-57-1.5 REMARKS	VT	4 studs & 8 nuts	1/30/85	---	---	WIB-882/WIB-883A

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING BOLTING (B-G)(1.4)
PAGE: 8 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G	<u>Piping</u> - Cont'd							
B7.50	<u>Bolting</u> - Cont'd							
	<u>1.5 In. Dia. Pipe</u>	<u>Line No.</u> <u>& Flange No.</u>						<u>Flange Between</u> <u>Welds Number:</u>
	Boron Inj Tk Out Loop 1 C.L. (9-436) [1.4-59]	S6-1191-1.5 2-FE-924	VT	4 studs & 8 nuts	1/29/85	---	---	WIB-555/WIB-556
	Boron Inj Tk Out Loop 2 C.L. (9-431) [1.4-61]	S6-1192-1.5 2-FE-925	VT	4 studs & 8 nuts	1/30/85	---	---	WIB-611/WIB-612
	Boron Inj Tk Out Loop 3 C.L. (9-437) [1.4-63]	S6-1193-1.5 2-FE-926	VT	4 studs & 8 nuts	1/25/85	---	---	WIB-695/WIB-696
	Boron Inj Tk Out Loop 4 C.L. (9-439) [1.4-65]	S6-1194-1.5 2-FE-927	VT	4 studs & 8 nuts	1/25/85	---	---	WIB-763/WIB-764

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DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (B-J)(1.4)
PAGE: 9 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>PRESSURE RETAINING WELDS IN PIPING</u>							



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (B-J)(1.4)
PAGE: 10 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>PRESSURE RETAINING WELDS IN PIPING</u>							
B-J	<u>Piping - Cont'd</u> Nominal Pipe Size 4 In. & Greater							
B9.11	Circumferential Welds 31 In. Nom. Diameter	<u>Line No. &</u> <u>ISI DWG No.</u>						
B9.12	(Including Inter- secting Longitudinal Welds)			(20)				** in line no. indicates fabr. by Westinghouse
	Reactor Coolant Pp Suct Loop 1 (7-30)	*5-31SPL [1.4-1]	PT UT	5	11/8/77 12/6/77			
	Reactor Coolant Pp Suct Loop 2 (7-31)	*6-31SPL [1.4-2]	PT UT	5	11/8/77 2/2/78	WIB-RC-2-11 1/16" Linear Indication	--- Removed by buffing	NRI After Removal
	One foot of each longitudinal weld was done at the intersection with the cir- cumferential weld.							

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PIPING WELDS (B-J)(1.4)
PAGE: 11 OF 57

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping</u> - Cont'd Circ. and Long'l Welds							
B9.11	<u>31 In. Nom. Dia. Cont'd</u>							
B9.12	<u>Line No. & ISI DWG No.</u>							
	Reactor Coolant Pp Suct Loop 3 (RC2-3)	*7-31SPL [1.4-3]	PT UT	5	11/8/77 11/30/77	WIB-3-10-LSB Misc. surface buffing Indications	Removed by	NRI after removal
	Reactor Coolant Pp Suct Loop 4 (RC2-4)	*8-31SPL [1.4-4]	PT UT	5	11/7/77 11/29/77	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (B-J)(1.4)
PAGE: 12 OF 57

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	<u>Piping-Circ'l Cont'd</u> (4 In. & greater)							
B9.11	<u>Circumferential Welds</u> <u>29 Inch Nom. Diameter</u>	<u>Line No. &</u> <u>ISI DWG. No.</u>		(12)				
	Reactor Coolant Out Loop 1 (RC2-1)	*1-29 SPL [1.4-1]	PT UT	3	11/8/77 12/2/77			3 Welds ID Surface Examined
	Reactor Coolant Out Loop 2 (RC2-2)	*2-29 SPL [1.4-2]	PT UT	3	11/15/77 10/11/78	Misc. Surface Indica- tions	Removed by buffing NRI after removal	3 Welds ID Surface Examined
	Reactor Coolant Out Loop 3 (RC2-3)	*3-29 SPL [1.4-3]	PT UT	3	11/16/76 10/10/78			3 Welds ID Surface Examined
	Reactor Coolant Out Loop 4 (RC2-4)	*4-29 SPL [1.4-4]	PT UT	3	11/16/76 11/30/77			3 Welds ID Surface Examined
B9.11	<u>Circumferential Welds</u> <u>27.5 In. Nom. Diameter</u>			(16)				
	Reactor Coolant Pump Disch Loop 1 (RC2-1)	*9-27.5SPL [1.4-1]	PT UT	4	8/4/76 12/6/77			WIB-RC-1-15 ID Surface examined
	Reactor Coolant Pump Disch Loop 2 (RC2-2)	*10-27.5SPL [1.4-2]	PT UT	4	11/14/78 10/11/78			All welds ID ¹ surface examined
	Reactor Coolant Pump Disch Loop 3 (RC2-3)	*11-27.5SPL- [1.4-3]	PT UT	4	11/10/76 11/30/77			WIB-RC-3-14 and 15 ID surface examined
	Reactor Coolant Pump Disch Loop 4 (RC2-4)	*12-27.5SPL [1.4-4]	PT UT	4		Misc. ID and OD surface indica- tions	Removed by buffing	WIB-RC-4-13 ID weld metal build up, NRI after repair



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ITEM: PIPING WELDS (B-J)(1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J.	<u>Piping - Circ'l Cont'd</u> (4 In. & Greater)							
B9.11	<u>Circumferential Welds</u> <u>14 In. Nom. Diameter</u>	<u>Line No. &</u> <u>ISI DWG. No.</u>		(28)				
	Pressurizer Surge Line (P445893)	*16-14SPL [1.4-5]	PT UT	9	8/18/76 11/16/76	---	---	
	Hot Leg Recirc Before V-8702 (10-21,22)	S6-109-14SPL [1.4-10]	PT UT	12	3/29/78 1/13/77	1/16" Surface Indication	Removed NRI after by buffing removal	
	Loop 4 Hot Leg Before V-8701 (10-21,22)	S6-1665-14SPL [1.4-10]	PT UT	7	1/11/77 1/13/77	---	---	
B9.11	<u>Circumferential Welds</u> <u>10 In. Nom. Diameter</u>			(36)				
	Accumulator Injection Loop 1 (9-11)	S6-253-10SPL [1.4-6]	PT UT	10	1/13/77 1/5/77	WIB-38 and 40 undercut	Blended NRI after blending	
	Accumulator Injection Loop 2 (9-12)	S6-254-10SPL [1.4-7]	PT UT	10	1/12/77 1/25/77	Misc. surface Indication	Removed by WIB-171 Weld repaired buffing all NRI after repair	



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping - Circ'l Cont'd</u> (4 In. & Greater)							
		<u>Line No. & ISI DWG No.</u>						
B9.11	Accumulator Injection Loop 3	(9-13) S6-255-10SPL [1.4-8]	PT UT	6	12/15/76 & 1/6/77	---	---	
	Accumulator Injection Loop 4	(9-14) S6-256-10SPL [1.4-9]	PT UT	10	1/7/77 1/25/77	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (B-J)(1.4)
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CATEGORY								CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
B-J	<u>Piping - Circ'l Cont'd</u> (4 In. & Greater)								
B9.11	<u>Circumferential Welds</u> <u>8 In. Nom Diameter</u>	<u>Line No. &</u> <u>ISI DWG No.</u>		(11)					
	SIS to RCS loop 1 hot Leg (9-31A/449)	S6-2575-8 [1.4-11]	PT UT	5	8/18/76 1/24/77	---	---		
	SIS to RCS loop 2 hot Leg (9-31B/450)	S6-2576-8 [1.4-12]	PT UT	6	1/11/77 1/13/77	---	---		
B9.11	<u>Circumferential Welds</u> <u>6 In. Nom Diameter</u>			(114)					
	Safety Inj. Loop 1 Hot Leg (10-17)	S6-235-6SPL+ [1.4-11]	PT UT	10	8/29/78 1/25/77	WIB-11 1/16" Surface Indication	Removed by buffing NRI after removal		SI(TO)1-29SPL
	Safety Inj. Loop 2 Hot Leg (10-18)	S6-236-6SPL+ [1.4-12]	PT UT	12	12/16/76 1/3/77	---	---		SI(TO)2-29SPL
	Safety Inj. Loop 3 Hot Leg (9-33)	S6-237-6SPL+ [1.4-13]	PT UT	11	12/15/76 1/4/77	---	---		SI(TO)3-29SPL
	Safety Inj. Loop 4 Hot Leg (7-4)(9-34)	S6-238-6SPL+ [1.4-14]	PT UT	8	1/12/77 1/13/77	---	---		SI(TO) RHR S6-109-14SPL



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ITEM: PIPING WELDS (B-J)(1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	<u>Piping - Circ'l Cont'd</u> (4 In. & Greater)							
B9.11	<u>6 In. Nom Diameter,</u> <u>Cont'd</u>	<u>Line No. &</u> <u>ISI DWG No.</u>						
	RHR Pp 1-1 Inj Cold Leg 1 (9-33/412)	S6-3844-6SPL [1.4-15]	PT UT	8	1/25/77 1/25/77	WIB-47 Undercut	Blended	NRI after Blending
	RHR Pp 1-1 Inj Cold Leg 2 (9-32/413)	S6-3845-6SPL [1.4-16]	PT UT	10	1/13/77 1/25/77	---	---	
	RHR Pp 1-2 Inj Cold Leg 3 (9-34/446)	S6-3846-6SPL [1.4-17]	PT UT	8	1/26/77 1/26/77	WIB-201C Surface Indications	Removed by buffing	NRI after removal
	RHR Pp 1-2 Inj Cold Leg 4 (9-21/34)	S6-3847-6SPL [1.4-18]	PT UT	12	1/11/77 1/13/77	Misc. Surface Indications	Removed by buffing	NRI after removal
	Pressurizer Inlet RV-8010A (7-17)	S6-729-6SPL+ [1.4-19]	PT UT	8	12/14/76 1/5/77	---	---	
	Pressurizer Inlet RV-8010B (7-19)	S6-728-6SPL+ [1.4-20]	PT UT	8	12/14/76 1/4/77	---	---	
	Pressurizer Inlet RV-8010C (7-18)	S6-727-6SPL+ [1.4-21]	PT UT	8	12/14/76 1/4/77	---	---	



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ITEM: PIPING WELDS (B-J)(1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	<u>Piping - Circ'l Cont'd</u> (4 In. & Greater)							
B9.11	<u>6 In. Nom Diameter,</u> <u>Cont'd</u>	<u>Line No. &</u> <u>ISI DWG No.</u>						
	Pressurizer Power R.V. (7-20)	S6-730-6SPL [1.4-22]	PT UT	11	12/14/76 1/13/77	WIB-391 Surface Indication	Removed by Filing	NRI after removal
B9.11	<u>Circumferential Welds</u> <u>4 In. Nom. Diameter</u>			(86)				
	Pressurizer RV PCV-455C (Inlet)(7-20)	S6-4081-4SPL [1.4-22]	PT UT	4	1/12/77 1/25/77	---	---	
	Loop 1 Spray Line (7-12,10)	S6-13-4SPL [1.4-23] [1.4-24]	PT UT	27	8/19/76 1/3/77	WIB 64 Surface Indica- tion	Removed by buffing NRI after removal	Loop 1 Spray to PZR via S6-15-4 from 9.27.5
	Loop 2 Spray Line (7-10,11)	S6-14-4SPL [1.4-24] [1.4-25]	PT UT	25	12/14/76 12/16/76	---	---	Spray to PZR via S6-15-4 from 10-27.5 Loop 2
	Pressurizer Spray Line (7-24)	S6-15-4SPL [1.4-26]	PT UT	27	8/18/76 1/3/77	WIB-342 surface indication	Removed by buffing NRI after repair	Spray to PZR from S6-13-4 and S6-14-4

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ITEM: PIPING WELDS (B-J)(1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	<u>Piping - Circ'l Cont'd</u> (Less Than 4 In. Dia.)							
B9.21	<u>Circumferential Welds</u> <u>3 In. Nom Diameter</u>	<u>Line No. &</u> <u>ISI DWG. No.</u>		(170)				3 In. Composite Percent (25)
	Loop 1 Hot Leg RTD Conn (7-13)	S6-3488-3SPL [1.4-27]	PT	9	1/7/77	---	---	@V-8073A To Junction S6-1141-3SPL
	Loop 1 Cold Leg RTD Conn (7-13)	S6-3798-3SPL [1.4-27]	PT	2	9/22/76	---	---	@V-8075A To Junction S6-1141-3SPL
	Loop 1 RTD Manifold Ret Hdr (7-13)	S6-1141-3SPL [1.4-27]	PT	13	8/17/76	---	---	To Crossover From Junction 3488-3/3798-3
	Loop 2 Hot Leg RTD Conn (7-25)	S6-3489-3SPL [1.4-28]	PT	8	9/26/76	---	---	@V-8073B To Junction S6-1147-3SPL
	Loop 2 Cold Leg RTD Conn (7-25)	S6-3799-3SPL [1.4-28]	PT	2	9/21/76	---	---	@V-8075B To Junction S6-1147-3SPL
	Loop 2 RTD Manifold Ret Hdr (7-25)	S6-1147-3SPL [1.4-28]	PT	9	9/21/76	WIB-125 1/16"long Indication	Removed NRI after removal	To Crossover From Junction 3489-3/3799-3

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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	<u>Piping - Circ'l Cont'd</u> (Less Than 4 In. Dia.)							
B9.21	<u>3 In. Nom Dia. Cont'd</u>	<u>Line No. & ISI DWG. No.</u>						
	Loop 3 Hot Leg RTD Conn (7-15)	S6-3495-3SPL [1.4-29]	PT	11	12/14/76	---	---	@V-8073C To Junction S6-1153-3SPL
	Loop 3 Cold Leg RTD Conn (7-15)	S6-3800-3SPL [1.4-29]	PT	3	12/14/76	---	---	@V-8075C To Junction S6-1153-3SPL
	Loop 3 RTD Manifold Ret Hdr (7-15)	S6-1153-3SPL [1.4-29]	PT	12	12/14/76	---	---	To Crossover From Junction 3495-3/3800-3
	Loop 4 Hot Leg RTD Conn (7-16)	S6-3496-3SPL [1.4-30]	PT	7	12/15/76	---	---	@V-8073D To Junction S6-1158-3SPL
	Loop 4 Cold Leg RTD Conn (8-16)	S6-3801-3SPL [1.4-30]	PT	2	12/15/76	---	---	@V-8075D To Junction S6-1158-3SPL
	Loop 4 RTD Manifold Ret Hdr (7-16)	S6-1158-3SPL [1.4-30]	PT	15	12/15/76	---	---	To Crossover From Junction 3496-3/3801-3
	Charging Line Loop 4 (8-64)	S6-246-3SPL [1.4-31]	PT	7	1/12/77	---	---	CVCS Normal Charging



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping - Circ'l Cont'd</u> (Less Than 4 In. Dia.)							
B9.21	<u>3 In. Nom Dia. Cont'd</u>	<u>Line No. & ISI DWG. No.</u>						
	Charging Line Loop 3 (8-59)	S6-50-3SPL [1.4-35]	PT	8	1/12/77	---	---	CVCS Alternate Charging
	Boron Inj Cold Leg Hdr (9-35)	S6-1016-3SPL S6-1995-3SPL [1.4-36]	PT PT	4 8	8/16/76 1/12/77	--- ---	--- ---	
	Letdown Line Loop 2 (7-14,15)	S6-24-3SPL [1.4-37] [1.4-38]	PT	21	1/12/77	Misc. surface Indica- tions	Removed by buffing	NRI after removal See p. 29 for Socket Welds @ LCV-459
	Pressurizer Pwr RV PCV474 (7-25)	S6-1171-3SPL [1.4-24]	PT	9	1/6/77	---	---	
	Pressurizer Pwr RV PCV455C (7-25)	S6-1172-3SPL [1.4-24]	PT	9	12/15/76	---	---	
	Pressurizer Pwr RV PCV456 (7-26)	S6-1195-3SPL [1.4-39]	PT	11	12/15/76	---	---	

See Item B9.40, socket weld section page no.
1.4-29-33 for small bore circumferential welds
(1.5 in.dia.)



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DIABLO CANYON POWER PLANT - JNIT 2

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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping - Cont'd</u> (Less Than 4 Inch Diameter)							
B9.22	<u>Longitudinal Welds</u>		-	-				Items not Applicable There are no seamed pipes or fittings

Note: 2 Inch line
fittings are forged
type 304 Stainless



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J B9.30	Piping - Cont'd Branch Pipe Connection Welds (Nominal Pipe Size Greater Than 2 IN.)	Volumetric Exam to extent possible complies with the basic requirements of Appendix III and Supplement 7						
		<u>Line No. & Branch Weld</u>		(2)				
B9.31	14 Inch Nom. Dia. Pressurizer Surge Line (RC2-2) [1.4-2] [1.4-5]	*16-14SPL WIB-432	PT UT	1	8/16/76 1/14/85	---	---	
	Hot Leg Recirc Before V-8702 (RC2-4)[1.4-4] [1.4-10]	S6-109-14SPL WIB-243	PT UT	1	9/22/76 1/14/85	---	---	
B9.31	10 Inch Nom. Diameter Accumulator Injection Loop 1 (9-11) [1.4-1] [1.4-6]	S6-253-10SPL WIB-37	PT UT	(4) 1	8/5/76 1/12/85	---	---	i
	Accumulator Injection Loop 2 (9-11) [1.4-2] [1.4-7]	S6-254-10SPL WIB-163	PT UT	1	1/17/78 1/13/85	---	---	
	Accumulator Injection Loop 3 (9-13) [1.4-3] [1.4-8]	S6-255-10SPL WIB-192	PT UT	1	12/15/76 1/12/85	---	---	i
	Accumulator Injection Loop 4 (9-14) [1.4-4] [1.4-9]	S6-256-10SPL WIB-289	PT UT	1	12/15/76 1/13/85	---	---	

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ITEM: PIPING WELDS (B-J) (1.4)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	Piping - Cont'd (Branch Welds Greater than 2 Inch Diameter)							
B9.31	6 In. Nom. Dia.	<u>Line No. & Branch Weld</u>		(3)				
	Safety Inj. Loop 1 Hot Leg (9-31A, 449) [1.4-1] [1.4-11]	S6-235-6SPL WIB-1	PT UT	1	8/5/76 1/14/85	---	---	
	Safety Inj. Loop 2 Hot Leg (9-31A, 450) [1.4-2] [1.4-12]	S6-236-6SPL WIB-105	PT UT	1	12/16/85 1/12/85	---	---	
	Safety Inj. Loop 3 Hot Leg (9-35) [1.4-3] [1.4-13]	S6-237-6SPL WIB-232	PT UT	1	12/15/76 1/12/85	---	---	
B9.31	4 In. Nom. Dia.			(2)				
	Loop 1 Spray Line (7-12) [1.4-1] [1.4-23]	S6-13-4SPL WIB-55	PT UT	1	1/25/77 1/13/85	---	---	
	Loop 2 Spray Line (7-5, 6) [1.4-2] [1.4-28]	S6-14-4SPL WIB-RC-2-18	PT UT	1	12/15/76 1/13/85	---	---	



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ITEM: PIPING WELDS (B-J) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	Piping - Cont'd (Branch Welds Greater than 2 Inch Diameter)							
B9.31	<u>3 In. Nom. Dia.</u>	<u>Line No. & Branch Weld</u>		(7)				
	Loop 1 RTD Manifold Ret Hdr (7-13) [1.4-27] [1.4-1]	S6-1141-3SPL WIB-17	PT	1	8/17/76	---	---	1/16" Linear Accept As is
	Loop 2 RTD Manifold Ret Hdr (7-25) [1.4-2] [1.4-28]	S6-1147-3SPL WIB-123	PT	1	9/21/76	---	---	NOTE: Internal inconsistency in S'78 required branch welds 2-4 inch dia. to receive volumetric, but pipe welds only require vol. for ≥ 4". This was corrected in Winter '80 (ref. 10CFR50.55a) therefore surface exam. performed.
	Loop 3 RTD Manifold Ret Hdr (7-15) [1.4-3] [1.4-29]	S6-1153-3SPL WIB-204	PT	1	12/15/76	---	---	
	Loop 4 RTD Manifold Ret Hdr (7-16) [1.4-4] [1.4-30]	S6-1158-3SPL WIB-268	PT	1	12/15/76	---	---	
	Charging Line Loop 4 (8-64)[1.4-4][1.4-31]	S6-246-3SPL WIB-310	PT	1	1/12/77	---	---	
	Charging Line Loop 3 (8-64)[1.4-3][1.4-31]	S6-50-3SPL WIB-183	PT	1	1/12/77	---	---	
	Letdown Line Loop 2 (7-8)[1.4-2][1.4-33]	S6-24-3SPL WIB-142	PT	1	8/19/76	---	---	



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	Piping - Cont'd (Branch Weld 2 In. & Less in Diameter)							
B9.32	2 In. Nom. Dia.	<u>Line No. & Branch Weld</u>		(13)				
	Loop 1 Cold Leg Drain RCDT (7-434) [1.4-1] [1.4-44]	S6-958-2SPL+ WIB-500	PT	1	10/28/80	---	---	
	Loop 3 Cold Leg Drain RCDT (7-424) [1.4-3] [1.4-46]	S6-960-2SPL+ WIB-649	PT	1	10/31/80	---	---	
	Loop 4 Cold Leg Drain RCDT (7-419) [1.4-4] [1.4-47]	S6-961-2SPL+ WIB-722	PT	1	1/5/81	---	---	Note: Loop 2 Drain is from Letdown Line, no branch connection
	SI Ppl-1 Inj Hot Leg Loop 1 (9-31A,449) [1.4-11]	S6-3863-2 WIB-913	PT	1	2/26/80	---	---	
	SI Ppl-1 Inj Hot Leg Loop 2 (9-31B,450) [1.4-12]	S6-3864-2 WIB-919	PT	1	11/3/80	---	---	
	Loop 1 Cold Leg RTD Conn (7-441) [1.4-1] [1.4-55]	S6-1140-2SPL+ WIB-971	PT	1	12/27/80	---	---	
	Loop 1 Cold Leg RTD Conn (7-42) [1.4-2] [1.4-56]	S6-1146-2SPL+ WIB-991	PT	1	10/27/80	---	---	



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J.	<u>Piping - Cont'd</u> <u>(Branch Weld 2 In.</u> <u>& Less in Diameter)</u>							
B9.32	<u>2 Inch Nom. Dia.</u> Cont'd	<u>Line No. &</u> <u>Branch Weld</u>						
	Loop 3 Cold Leg RTD Conn (7-447) [1.4-3] [1.4-57]	S6-1152-2SPL WIB-1012	PT	1	12/1/80	---	---	
	Loop 4 Cold Leg RTD Conn (7-446) [1.4-4] [1.4-58]	S6-1159-2SPL WIB-1026	PT	1	12/11/80	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

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CATEGORY						CORRECTIVE ACTION (IF REQUIRED)		REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED		
B-J .	<u>Piping - Cont'd</u>							
	(Branch Welds							
	2 In. & Less							
	in Diameter)							
B9.32	<u>2 In. Nom. Diameter</u>	<u>Line No. & Branch Weld</u>						
	SI Pps Cold Leg Loop 1	S6-3855-2SPL	PT	1	12/16/80	---	---	
	Recirc (9-33,412)	WIB-929						
	[1.4-15]							
	SI Pps Cold Leg Loop 2	S6-3856-2SPL	PT	1	3/14/85	1/2" linear removed by filing		NRI after removal
	Recirc (9-32,413)	WIB-935						
	[1.4-16]							
	SI Pps Cold Leg Loop 3	S6-3857-2SPL	PT	1	1/25/85	---	---	
	Recirc (9-34,446)	WIB-941						
	[1.4-17]							
	SI Pps Cold Leg Loop 4	S6-3858-2SPL	PT	1	12/15/80	---	---	
	Recirc (9-445)	WIB-951						
	[1.4-50]							
B9.32	<u>1.5 In. Nom. Dia.</u>			(4)				
	Boron Inj.Tk.Out.Loop	S6-1991-1.5SPL+	PT	1	12/18/80	---	---	
	1 Cold Leg (RC2-1)	WIB-507						
	[1.4-1] [1.4-60]							
	Boron Inj.Tk.Out.Loop	S6-1992-1.5SPL+	PT	1	10/29/80	---	---	
	2 Cold Leg (RC2-2)	WIB-560						
	[1.4-2] [1.4-62]							
	Boron Inj.Tk.Out.Loop	S6-1993-1.5SPL+	PT	1	10/21/80	---	---	
	3 Cold Leg (RC2-3)	WIB-654						
	[1.4-3] [1.4-64]							



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J.	<u>Piping - Cont'd</u> (Branch Welds 2 Inch & Less in Diameter)							
B9.32	<u>1.5 In. Nom. Diameter</u> Cont'd	<u>Line No. & Branch Weld</u>						
	Boron Inj.Tkd Out Loop 4 Cold Leg (RC2-4) [1.4-4] [1.4-66]	S6-1994-1.5SPL+ WIB-732	PT	1	12/17/80	---	---	



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping-Socket Welds</u>							
	Socket welds are identified by system.							
B9.40	2 In. Nom. Dia. Letdown Line Loop 2 (7-8)	Line No. & ISI DWG.No. S6-24-3SPL [1.4-33]	PT	(385) 2	1/12/77	---	---	Reducing 3 Inch Line to 2 Inch sockets for LCV-459 (Valve)
	Charging Line Aux Spray (8-554,595,596)	S6-51-2SPL S6-4532-2SPL [1.4-37,38,39]	PT PT	49 5	10/29/80 10/29/80	Misc. surface indication	Indications removed	NRI After Removal
	Reac Cool Pp 1 Seal Wtr In (8-736)	S6-54-2 [1.4-40]	PT	15	10/28/80	---	---	Includes Line S6-54-1.5 and (1) B9.21 Item
	Reac Cool Pp 2 Seal Wtr In (8-713)	S6-55-2 S6-5398-1.5 [1.4-41]	PT	6 21	11/5/80 4/9/84	---	---	Includes Line S6-55-1.5 and (1) B9.21 Item
	Reac Cool Pp 3 Seal Wtr In (8-376)	S6-56-2 S6-56-1.5 [1.4-42]	PT	10 19	11/4/80 7/25/84	---	---	Includes Line S6-56-1.5 and (1) B9.21 Item
	Reac Cool Pp 4 Seal Wtr In (8-741)	S6-57-2 S6-57-1.5 [1.4-43]	PT	6 17	12/10/80 7/22/84	---	---	Includes Line S6-57-1.5 and (1) B9.21 Item

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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	<u>Piping - Socket Welds</u> Cont'd	<u>Line No. &</u> <u>ISI DWG. No.</u>						
B9.40	Loop 1 Cold Leg Drain RCDT (7-434)	S6-958-2SPL+ [1.4-44]	PT	6	10/28/80	---	---	
	Loop 2 Cold Leg Drain RCDT (7-436)	S6-959-2SPL+ [1.4-45]	PT	7	11/5/80			Drain Off Letdown Line S6-24-3
	Loop 3 Cold Leg Drain RCDT (7-424)	S6-960-2SPL+ [1.4-46]	PT	4	10/31/80	---	---	
	Loop 4 Cold Leg Drain RCDT (7-419)	S6-961-2SPL+ [1.4-47]	PT	9	1/5/81	---	---	



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-J	PIPING - Socket Welds Cont'd	Line No. & ISI DWG. No.						
B9.40	SI Pp 1-1 Inj Hot Leg Loop 1 (9-31A,449)	S6-3863-2 [1.4-11]	PT	5	10/30/80	---	---	
	SI Pp 1-1 Inj Hot Leg Loop 2 (9-31B,450)	S6-3864-2 [1.4-12]	PT	7	11/3/80			
	Safety Inj Hot Leg Loop 3 (9-444)	S6-1976-2 [1.4-48]	PT	8	11/25/80	---	---	
	Safety Inj Hot Leg Loop 4 (9-442)	S6-1990-2 [1.4-49]	PT	9	12/16/80	---	---	
	SI Pps Cold Leg Loop 1 Recirc (9-33,412)	S6-3855-2SPL [1.4-15]	PT	5	12/16/80	---	---	
	SI Pps Cold Leg Loop 2 Recirc (9-32,413)	S6-3856-2SPL [1.4-16]	PT	5	11/4/80	Surface Indica- tion	Removed by buffing	NRI After Removal
	SI Pps Cold Leg Loop 3 Recirc (9-34,446)	S6-3857-2SPL [1.4-17]	PT	13	11/24/80	---	---	
	SI Pps Cold Leg Loop 4 Recirc (9-445)	S6-3858-2SPL [1.4-50]	PT	15	12/16/80	---	---	



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	Piping - Socket Welds Cont'd	Line No. & ISI DWG. No.						
B9.40	Loop 1 Hot Leg RTD Conn Hdr (7-442,443)	S6-1139-2SPL [1.4-51]	PT	19	10/27/80	Misc. Surface Indica- tions	Removed Indica- tions	NRI After Removal
	Loop 2 Hot Leg RTD Conn Hdr (7-423,448)	S6-1145-2SPL [1.4-52]	PT	19	10/28/80	---	---	
	Loop 3 Hot Leg RTD Conn Hdr (7-425,428)	S6-1151-2SPL [1.4-53]	PT	19	10/30/80	---	---	
	Loop 4 Hot Leg RTD Conn Hdr (7-426,427)	S6-1157-2SPL [1.4-54]	PT	23	12/10/80	---	---	
	Loop 1 Cold Leg RTD Conn (7-441)	S6-1140-2SPL [1.4-55]	PT	13	12/18/80	Misc. Surface Indica- tions	Indications Removed	NRI After Removal
	Loop 2 Cold Leg RTD Conn (7-452)	S6-1146-2SPL [1.4-56]	PT	15	10/27/80	---	---	
	Loop 3 Cold Leg RTD Conn (7-447)	S6-1152-2SPL [1.4-57]	PT	17	12/1/80	---	---	
	Loop 4 Cold Leg RTD Conn (7-446)	S6-1159-2SPL [1.4-58]	PT	17	12/10/80	---	---	

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CATEGORY		CORRECTIVE						REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	
B-J	<u>Piping - Socket Welds</u>	<u>Line No. & ISI DWG. No.</u>						
B9.40	<u>1.5 In. Nom. Dia.</u>			(211)				
	Boron Inj Tk Out Loop 1 Cold Leg (9-436,465)	S6-1991-1.5SPL+ [1.4-59] [1.4-60]	PT	52	12/18/80	Misc. Surface Indica- tions	Removed NRI after removal	Includes (3) B9.2 Butt Welds
	Boron Inj Tk Out Loop 2 Cold Leg (9-431,466)	S6-1992-1.5SPL+ [1.4-61] [1.4-62]	PT	71	10/29/80	---	---	Includes (2) B9.21 Items Butt Welds
	Boron Inj Tk Out Loop 3 Cold Leg (9-437,467)	S6-1993-1.5SPL+ [1.4-63] [1.4-64]	PT	50	11/21/80	Misc. surface indica- tions	Removed NRI after removal	Includes (3) B9.2 Butt Welds
	Boron Inj Tk Out Loop 4 Cold Leg (9-439,468)	S6-1994-1.5SPL+ [1.4-65] [1.4-66]	PT	38	12/17/80	---	---	Includes (2) B9.21 Items Butt Welds

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ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K-1	<u>Integrally Welded Attachments</u> (To Pressure Boundary)							
B10.10	Piping	(Attach't)						B10.30 Valve supports included in this section
B10.20	Pumps (See Table 1.5)							
B10.30	Valves							
B-K-2	<u>Support Components</u> (Supports)							
B11.10	Piping							B11.30 Valve supports included in this section
B11.20	Pumps (See Table 1.5)							
B11.30	Valves							
	<u>29,&27.5 In. Nom. Dia.</u>	<u>Line No. & ISI DWG. No.</u>						
	Reactor Coolant Out Loop 1 (RC2-1)	*1-29SPL, and [1.4-1]	N/A		---	---		No supports on reactor coolant outlets
	Reactor Coolant Out Loop 2 (RC2-2)	*2-29SPL, and [1.4-2]	N/A		---	---		
	Reactor Coolant Out Loop 3 (RC2-3)	*3-29SPL, and [1.4-3]	N/A		---	---		
	Reactor Coolant Out Loop 4 (RC2-4)	*4-29SPL, and [1.4-4]	N/A		---	---		



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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K-1	<u>Integrally Welded Attach.</u>							
B-K-2	<u>Support Components</u>							
B10.10	Support Attachments		PT					
B11.10	Support Components		VT					
	<u>31 In. Nom. Dia.</u>	<u>Line No. & ISI DWG. No.</u>		(8)				
	Reactor Coolant Pump Suction Loop 1	*5-31 [1.4-1]	VT-3	2	1/22/85	---	---	
	Reactor Coolant Pump Suction Loop 2	*6-31 [1.4-2]	VT-3	2	1/22/85	---	---	
	Reactor Coolant Pump Suction Loop 3	*7-31 [1.4-3]	VT-3	2	1/22/85	---	---	
	Reactor Coolant Pump Suction Loop 4	*8-31 [1.4-4]	VT-3	2	1/22/85	---	---	



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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K	<u>Supports</u> - Cont'd							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>14 In. Nom. Dia.</u>	<u>Line No. &</u>						
	<u>Pressurizer Surge</u>	<u>ISI DWG. No.</u>						
	Line (loop 2)(P445893)	*16-14SPL	VT-3	13	6/17/85			
		[1.4-5]	VT-4	6	2/10/84	---	---	
	Hot Leg Recirc Before	S6-109-14SPL	PT	1	9/22/76	---	---	
	2V-8702 (2-10,21,22)	[1.4-10]	VT-3	5	1/28/86	---	---	
			VT-4					
	Loop 4 Hot Leg Before	S6-1665-14SPL	PT	1	2/1/85	---	---	
	2V-8701 (2-10,21,22)	[1.4-10]	VT-3	6	1/28/86	---	---	
			VT-4					

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ITEM: PIPING SUPPORTS (B-K) (1.4)
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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
		<u>Line No. & ISI DWG. No.</u>						
	10 Inch Nom.Diameter							
	Accumulator Injection	S6-253-10SPL+	VT-3	6	1/8/85	---	---	
	Loop 1 (2-9-11)	[1.4-6]	(VT-4)					
	Accumulator Injection	S6-254-10SPL+	PT	1	3/29/76	---	---	
	Loop 2 (2-9-12)	[1.4-7]	VT-3	3	1/28/86	---	---	
			(VT-4)					
	Accumulator Injection	S6-255-10SPL+	PT	1	1/31/85	---	---	
	Loop 3 (2-9-13)	[1.4-8]	VT-3	2	1/31/85	---	---	
			(VT-4)					
	Accumulator Injection	S6-256-10SPL+	PT	2	3/23/76	---	---	
	Loop 4 (2-19-14)	[1.4-9]	VT-3	6	6/11/85	---	---	
			(VT-4)					

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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>8 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG. No</u>						
	SIS To RCS Loop 1	S6-2575-8	PT	1	6/28/83			
	Hot Leg (9-31A,449)	[1.4-11]	VT-3	3	1/28/86	---	---	
			VT-4					
	SIS To RCS Loop 2	S6-2576-8	PT	1	1/31/85			
	Hot Leg (9-31B,450)	[1.4-12]	VT-3	3	1/3/85	---	---	
			VT-4					
	<u>6 Inch Nom.Diameter</u>							
	Safety Inj Loop 1	S6-235-6SPL+						
	Hot Leg (9-31A,449)	[1.4-11]	VT-3	7	1/3/85	---	---	
			VT-4					
	Safety Inj Loop 2	S6-236-6SPL+						
	Hot Leg (9-31A,450)	[1.4-12]	VT-3	8	1/3/85	---	---	
			VT-4					



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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
		<u>Line No. & SIS DWG No.</u>						
B11.10	Safety Inj Loop 3 Hot Leg (9-35)	S6-237-6SPL+ [1.4-13]	VT-3 (VT-4)	11	1/3/85	---	---	



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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attch't		PT					
B11.10	Support Components		VT					
	<u>6 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG. No.</u>						
	Cont'd							
	Safety Inj Loop 4	S6-238-6SPL+	VT-3	7	1/3/85	---	---	
	Hot Leg (9-36)	[1.4-14]	(VT-4)			---	---	
	RHR Pp 2-1 Inj Cold							
	Leg 1	S6-3844-6SPL+	PT	1	7/6/83	---	---	
	(9-33,412)	[1.4-15]	VT-3	9	7/22/85	---	---	
			(VT-4)					
	RHR Pp 2-1 Inj Cold							
	Leg 2	S6-3845-6SPL+	PT	1	7/24/83	---	---	
	(9-32,413)	[1.4-16]	VT-3	13	5/17/85	---	---	
			(VT-4)					
	RHR Pp 2-2 Inj Cold							
	Leg 3 (9-34,446)	S6-3846-6SPL+	VT-3	9	6/6/85	---	---	
		[1.4-17]	(VT-4)					

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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports</u> - Cont'd							
B10.10	Support Attach't		PT					
B10.11	Support Components		VT					
		<u>Line No. & ISI DWG. No.</u>						
	RHR Pp 2-2 Inj Cold Leg 4 (9-21,34)	S6-3847-6SPL+ [1.4-18]	VT-3 12 (VT-4)		6/17/85	---	---	



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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B10.11	Support Components		VT					
	<u>6 Inch Nom.Diameter</u>	<u>Line No. &</u>						
	<u>Cont'd</u>	<u>ISI DWG No.</u>						
	Pressurizer RV-8010A Inlet (7-17)	S6-729-6SPL+ [1.4-19]	--- VT-3 (VT-4)	2	6/11/85	---	---	(VLV;B11.30 ITEM)
	Pressurizer RV-8010B Inlet (7-19)	S6-728-6SPL+ [1.4-20]	--- VT-3 (VT-4)	2	5/15/85	---	---	(VLV;B11.30 ITEM)
	Pressurizer RV-8010C Inlet (17-18)	S6-727-6SPL+ [1.4-21]	--- VT-3 (VT-4)	2	1/25/85	---	---	(VLV;B11.30 ITEM)
	Pressurizer Power RV Inlet (7-20)	S6-730-6SPL+ [1.4-22]	--- VT-3 (VT-4)	3	2/7/85	---	---	

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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>4 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG. No.</u>						
	Pressurizer RV PCV- 455C Inlet (7-20)	S6-4081-4SPL [1.4-22]	VT-3 (VT-4)	1	1/2/85	---	---	
	Loop 1 Spray Line (7-12,10)	S6-13-4SPL [1.4-23] [1.4-24]	VT-3 (VT-4)	22	5/15/85	---	---	
	Loop 2 Spray Line (7-10,11)	S6-14-4SPL [1.4-24] [1.4-25]	VT-3 (VT-4)	13	1/10/85	---	---	
	Pressurizer Spray Line (7-24)	S6-15-4SPL [1.4-26]	PT VT-3 (VT-4)	1 11	6/13/83 6/6/85	---	---	



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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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B-K, Supports - Cont'd

B10.10 Support Attach't
B11.10 Support Components

PT
VT

3 Inch Nom.Diameter Line No. & ISI DWG No.

Loop 1 Hot Leg RTD
Conn (7-13)

S6-3488-3SPL
[1.4-27]

PT 1
VT-3 6
(VT-4)

7/28/76
1/12/85

Loop 1 Cold Leg
RTD Conn (7-13)

S6-3798-3SPL
[1.4-27]

PT 1
VT-3 3
(VT-4)

7/27/84
1/15/85

Loop 1 RTD Manifold
Ret Hdr. (7-13)

S6-1141-3SPL
[1.4-27]

PT 2
VT-3 9
(VT-4)

1/28/85
1/5/85



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ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>3 Inch Nom.Diameter</u>	<u>Line-No. & ISI DWG No.</u>						
	Cont'd							
	Loop 2 Hot Leg RTD Conn (7-25)	S6-3489-3SPL [1.4-28]	VT-3 9 (VT-4)		6/6/85	---	---	
	Loop 2 Cold Leg RTD Conn (7-25)	S6-3799-3SPL [1.4-28]	VT-3 3 (VT-4)		5/15/85	---	---	
	Loop 2 RTD Manifold Ret Hdr (7-25)	S6-1147-3SPL [1.4-28]	VT-3 7 (VT-4)		1/5/85	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>3 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Loop 3 Hot Leg RTD Conn (7-15)	S6-3495-3SPL [1.4-29]	VT-3 5 (VT-4)		1/12/85	---	---	
	Loop 3 Cold Leg RTD Conn (7-15)	S6-3800-3SPL [1.4-29]	VT-3 4 (VT-4)		1/12/85	---	---	
	Loop 3 TRD Manifold Ret Hdr (7-15)	S6-1153-3SPL [1.4-29]	VT-3 8 (VT-4)		5/28/85	---	---	



PRESERVICE INSPECTION SUMMARY
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ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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B-K Supports - Cont'd

B10.10 Support Attach't
B11.10 Support Components

PT
VT

3 Inch Nom.Diameter
Cont'd

Line No. &
ISI DWG No.

Loop 4 Hot Leg RTD
Conn (7-16)

S6-3496-3SPL
[1.4-30]

PT 1
VT-3 7
(VT-4)

7/5/83
1/12/85

Loop 4 Cold Leg RTD
Conn (7-16)

S6-3801-3SPL
[1.4-30]

VT-3 1
(VT-4)

1/12/85

Loop 4 RTD Manifold
Ret Hdr (7-16)

S6-1158-3SPL
[1.4-30]

VT-3 8
(VT-4)

6/11/85

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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B-K Supports - Cont'd

B10.10	Support Attach't		PT					
B11.10	Support Components		VT					

	Line No. & ISI DWG No.						
3 Inch Nom. Diameter							
Cont'd							

Charging Line Loop 4 (8-64)	S6-246-3SPL [1.4-31]	---	VT-3 1 (VT-4)	2/10/83	---	---	
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Charging Line Loop 3 (8-64)	S6-50-3SPL [1.4-31]	---	VT-3 1 (VT-4)	1/10/85	---	---	
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Boron Inj Cold Leg Hdr (9-19)	S6-1995-3 and S6-1016-3 [1.4-32]	---	VT-3 9 (VT-4)	1/5/85	---	---	
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Letdown Line Loop 2 (7-8)	S6-24-3SPL [1.4-33]	---	VT-3 10 (VT-4)	1/12/85	---	---	
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PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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B-K . Supports - Cont'd

B10.10 Support Attach't
B11.10 Support Components

PT
VT

3 Inch Nom.Diameter
Cont'd

Line No. &
ISI DWG No.

Pressurizer Pwr RV
PCV-474 (7-22)

S6-1171-3SPL+
[1.4-34]

VT-3 7
(VT-4)

5/15/85

Pressurizer Pwr RV
PCV-455C (7-21)

S6-1172-3SPL+
[1.4-35]

PT 1
VT-3 9
(VT-4)

10/31/80
6/4/85

Pressurizer Pwr RV
PCV-456 (7-23)

S6-1195-3SPL+
[1.4-36]

VT-3 6
(VT-4)

6/13/85



PRESERVICE INSPECTION SUMMARY
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ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Charging Line Aux Spray	S6-51-2SPL+	PT	2	9/6/85			
	(8-554,595,596)	S6-4532-2SPL						
		[1.4-37]	VT-3	33	1/2/85	---	---	(VLV; B11.30 ITEM)
		[1.4-38]	(VT-4)					
		[1.4-39]						
	Reac Cool Pp 1 Seal	S6-54-2						
	Wtr In (8-599)	(AND) 1.5						
		[1.4-40]	VT-3	2	1/10/85	---	---	
			(VT-4)					
	Reac Cool Pp 2 Seal	S6-55-2						
	Wtr In (8-602)	(AND) 1.5						
		[1.4-41]	VT-3	5	5/22/85	---	---	
			(VT-4)					
	Reac Cool Pp 3 Seal	S6-56-2						
	Wtr In (8-597)	(AND) 1.5						
		[1.4-42]	VT-3	6	5/30/85	---	---	
			(VT-4)					

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K .	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Reac Cool Pp 4 Seal Wtr In (8-598)	S6-57-2 (AND) 1.5 [1.4-43]	VT-3 (VT-4)	5	1/17/85	---	---	
	Loop 1 Cold Leg Drain RCDT (7-434)	S6-958-2SPL+ [1.4-44]	VT-3 (VT-4)	2	1/5/85	---	---	
	Loop 2 Cold Leg Drain RCDT (7-436)	S6-959-2SPL+ [1.4-45]	---	--	---	---	---	No supports in boundary
	Loop 3 Cold Leg Drain RCDT (7-424)	S6-960-2SPL+ [1.4-46]	VT-3 (VT-4)	2	1/5/85	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Loop 4 Cold Leg Drain RCDT (7-419)	S6-961-2SPL+ [1.4-47]	VT-3 (VT-4)	4	1/5/85	---	---	
	SI Pp 2-1 Inj Hot Leg Loop 1 (2-9-31A,449)	S6-3863-2 [1.4-11]	VT-3 (VT-4)	1	1/2/85	---	---	
	SI Pp 2-1 Inj Hot Leg Loop 2 (2-9-31B,450)	S6-3864-2 [1.4-12]	---	--	---	---	---	No supports in boundary
	Safety Inj Hot Leg Loop 3 (9-444)	S6-1976-2 [1.4-48]	---	--	---	---	---	No supports in boundary



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u> Cont'd	<u>Line No. &</u> <u>ISI DWG No.</u>						
	Safety Inj Hot Leg Loop 4 (9-442)	S6-1990-2 [1.4-49]	--- VT-3 (VT-4)	1	1/7/85	---	---	
	SI Pps Cold Leg Loop 1 Recirc (9-33,412)	S6-3855-2SPL+ [1.4-15]	---	--	---	---	---	No Supports in Boundary
	SI Pps Cold Leg Loop 2 Recirc (9-32,413)	S6-3856-2SPL+ [1.4-16]	--- VT-3 (VT-4)	2	6/6/85	---	---	
	SI Pps Cold Leg Loop 3 Recirc (9-34,446)	S6-3857-2SPL+ [1.4-17]	VT-3 (VT-4)	5	5/31/85	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	SI Pps Cold Leg Loop 4 Recirc (9-445)	S6-3858-2SPL+ [1.4-50]	VT-3 (VT-4)	7	1/2/85	---	---	
	Loop 1 Hot Leg RTD Conn Hdr (7-442,443)	S6-1139-2SPL [1.4-51]	---	--	---	---	---	No Supports in Boundry
	Loop 1 Hot Leg RTD Conn Hdr (2-7-423,448)	S6-1145-2SPL [1.4-52]	VT-3 (VT-4)	1	1/5/85	---	---	
	Loop 3 Hot Leg RTD Conn Hdr (7-425,428)	S6-1151-2SPL [1.4-53]	VT-3 (VT-4)	3	1/14/85	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Loop 4 Hot Leg RTD Conn Hdr (7-426,427)	S6-1157-2SPL [1.4-54]	--- VT-3 (VT-4)	3	1/5/85	---	---	
	Loop 1 Cold Leg RTD Conn (7-441)	S6-1140-2SPL [1.4-55]	--- VT-3 (VT-4)	1	1/5/85	---	---	
	Loop 2 Cold Leg RTD Conn (7-452)	S6-1146-2SPL [1.4-56]	--- VT-3 (VT-4)	3	1/5/85	---	---	
	Loop 3 Cold Leg RTD Conn (7-447)	S6-1152-2SPL [1.4-57]	--- VT-3 (VT-4)	2	1/19/85	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports - Cont'd</u>							
B10.10	Support Attach't		PT					
B11.10	Support Components		VT					
	<u>2 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>						
	Cont'd							
	Loop 4 Cold Leg RTD Conn (7-446)	S6-1159-2SPL [1.4-58]	--- VT-3 (VT-4)	3	1/5/85	---	---	
	<u>1.5 Inch Nom.Diameter</u>							
	Boron Inj Tk Out Loop 1 Cold Leg (9-436) (9-465)	S6-1991-1.5 [1.4-59] [1.4-60]	--- VT-3 (VT-4)	15	1/4/85	---	---	
	Boron Inj Tk Out Loop 2 Cold Leg (9-431) (9-466)	S6-1992-1.5 [1.4-61] [1.4-62]	--- VT-3 (VT-4)	32	1/4/85	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PIPING SUPPORTS (B-K) (1.4)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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B-K Supports - Cont'dB10.10 Support Attach't
B11.10 Support ComponentsPT
VT

<u>1.5 Inch Nom.Diameter</u>	<u>Line No. & ISI DWG No.</u>
------------------------------	-----------------------------------

Boron Inj Tk Out Loop 3 Cold Leg (9-437) (9-467)	S6-1993-1.5 [1.4-63] [1.4-64]	--- VT-3 (VT-4)	18	1/4/85	---	---
--	-------------------------------------	-----------------------	----	--------	-----	-----

Boron Inj Tk Out Loop 4 Cold Leg (9-212) (9-240)	S6-1994-1.5 [1.4-65] [1.4-66]	--- VT-3 (VT-4)	12	1/5/85	---	---
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C. 3. Pumps

0445S/0035K



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PUMPS (B-G) (1.5)
PAGE 1 OF 5

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>Pumps</u>	DWG. REF DC663207-34 [1.5-1]						
	REACTOR COOLANT PUMPS							
B-G-1	<u>Pressure Retaining Bolting</u>							
B6.180	Bolting larger than 2" Dia.							
	Pump Flange	Flange Bolting						Flange bolting examined with Cal. Std. preceding Section XI guidance. Future exams to use code notch std.
	Bolts and Studs; <u>In Place</u> , Pump 2-1	Bolts No. 1 Thru No. 24	UT	24	6/15/78	---	---	
B6.190	Pump Flange Bolts and Studs, <u>When Removed</u> , Pump 2-2		UT PT/MT	24	---	---	---	Exams not required for preservice inspection
B6.200	<u>Bolting</u> (Ligaments between bolt holes)		VT	24	---	---	---	Exams not required for preservice inspection



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PUMPS (B-G) (1.5)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	PUMPS Cont'd REACTOR COOLANT PUMPS							
B-G-2	Pressure Retaining Bolting	Seal House Bolting						Accessible Surfaces
B7.60	Bolting < 2" Dia.							
	Bolts, Studs & Nuts Pump 2-1	Bolts No. 1 thru No. 12 [1.5-1]	VT-1	12	2/11/85	---	---	Bolts ultrasonically tested 6/23/78
	Bolts, Studs & Nuts Pump 2-2	Bolts No. 1 Thru No. 12 [1.5-1]	VT-1	12	2/11/85	---	---	Bolts ultrasonically tested 6/23/78
	Bolts, Studs & Nuts Pump 2-3	Bolts No. 1 Thru No. 12 [1.5-1]	VT-1	12	2/11/85	---	---	Bolts ultrasonically tested 6/23/78
	Bolts, Studs & Nuts Pump 2-4	Bolts No. 1 Thru No. 12 [1.5-1]	VT-1	12	2/11/85	---	---	Bolts ultrasonically tested 6/23/78



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PUMPS (B-K) (1.5)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>PUMPS</u> Cont'd REACTOR COOLANT PUMPS							
B-K-1	<u>Integrally Welded Attachments</u> (To Pressure Bound.)							
B10.20	Welded Attachments Pump 2-1	<u>WELDS</u> #1, #2, #3 [1.5-1]	PT	(3)	1/29/85	---	---	
B-K-2	<u>Support Components</u>							
B11.20	Support Components Pump 2-1	<u>Support Components</u>	VT-3	(1)	2/2/85	---	---	Includes all pump support members
B11.20	Support Components Pump 2-2		VT-3	(1)	2/2/85	---	---	Includes all pump support members

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: PUMPS (B-K) (1.5)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
PUMPS - Cont'd REACTOR COOLANT PUMPS								
B-K-2	<u>Support Components</u> Cont'd	<u>Support</u> <u>Components</u>						
B11.20	Support Components Pump 2-3		VT-3	(1)	2/2/85	---	---	Includes All Pump Support Members
B11.20	Support Components Pump 2-4		VT-3	(1)	2/2/85	---	---	Includes All Pump Support Members



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PUMPS (B-L) (1.5)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
PUMPS - Cont'd REACTOR COOLANT PUMPS								
B-L-1	<u>Pressure Retaining Welds</u>	RCP Pump Casing Welds						
B12.10	Pump Casing Welds							
B12.10	Reactor Coolant Pumps	Pump Body Girth Weld	*RT	(4) 1 1 1 1	7/20/71 7/20/71 7/21/71 7/29/71	--- --- --- ---	--- --- --- ---	RCP 2-1 RCP 2-2 RCP 2-3 RCP 2-4
B-L-2	<u>Pump Casing Interior</u>							
B12.10	Reactor Coolant Pump 2-1, 2-2, 2-3 and 2-4.	RCP Internal Surfaces	VT-1	4	8/23/76	---	---	*Volumetric examination required by Code at the time of fabrication and examination



C.4. Valves



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES</u>							
B-G-1	<u>Pressure Retaining Bolting</u>							Items not applicable
B6.210	Bolting > 2" Dia.							
B6.220	Bolts and Studs, When Removed							
B6.230	Bolting							
B-G-2	<u>Pressure Retaining Bolting</u>							
B7.70	Bolting ≤ 2" Dia.							
B7.70	<u>14 Inch Nom.Diameter</u>	<u>Line No.</u> <u>Valve No.(s)</u>		(2)				<u>Manufacturer & Style</u>
	Hot Leg Recirc Before V-8702 (10-21,22) [1.4-10]	S6-109-14SPL V-8702	VT-1	16 Studs & Nuts	1/22/85	---	---	Copes-Vulcan GM-48SEZ
	Loop 4 Hot Leg Before V-8701 (10-21,22) [1.4-10]	S6-1665-14SPL V-8701	*VT-1	16 Studs & Nuts	11/7/75	---	---	Copes-Vulcan GM-48SEZ
								*Vlv. Bolting not seperately documented from internals. Leak-tight status confirms integrity

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>VALVES - Cont'd</u>								
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less) Cont'd							
B7.70	<u>10 Inch Nom.Dia.</u>	<u>Line No.</u> <u>Valve No.(s)</u>		(8)				<u>Manufacturer & Style</u>
	Accumulator Injection Loop 1 (9-11) [1.4-6]	S6-253-10SPL V-8956A V-8948A	VT-1 VT-1	16 Studs & Nuts Each	1/18/85 1/22/85	--- ---	--- ---	Darling 10C48Z
	Accumulator Injection Loop 2 (9-12) [1.4-7]	S6-254-10SPL V-8956B V-8948B	VT-1 VT-1	16 Studs & Nuts Each	1/31/85 1/22/85	--- ---	--- ---	Darling 10C48Z
	Accumulator Injection Loop 3 (9-13) [1.4-8]	S6-255-10SPL V-8956C V-8948C	VT-1 VT-1	16 Studs & Nuts Each	9/30/75 1/22/85	--- ---	--- ---	Darling 10C48Z
	Accumulator Injection Loop 4 (9-14) [1.4-9]	S6-256-10SPL V-8956D V-8948D	VT-1 VT-1	16 Studs & Nuts Each	1/31/85 1/31/85	--- ---	--- ---	Darling 10C48Z

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less) Cont'd							
B7.70	<u>8-In. Nom. Dia.</u>	<u>Line No</u> <u>Valve No.(s)</u>		(2)				<u>Manufacturer & Style</u>
	SIS to RCS Loop 1 Hot Leg (9-31A,449) [1.4-11]	S6-2575-8 V-8740A	VT-1	16 Studs & Nuts	1/22/85	---	---	Darling 8C48Z
	SIS to RCS Loop 2 Hot Leg (9-318,450) [1.4-12]	S6-2576-8 *V-8740B	VT-1	16 Studs & Nuts	10/8/75	---	---	Darling 8C48Z
B7.70	<u>6-Inch Nom.Dia.</u>			(11)				
	Safety Inj Loop 1 Hot Leg (9-31A,449) [1.4-11]	S6-235-6SPL *V-8949A	VT-1	12 Studs & Nuts	9/30/75	---	---	Velan 6C58
	Safety Inj Loop 2 Hot Leg (9-318,450) [1.4-12]	S6-236-6SPL V-8949B	VT-1	12 Studs & Nuts	1/31/85	---	---	Velan 6C58
	Safety Inj Loop 3 Hot Leg (9-35) [1.4-13]	S6-237-6SPL V-8949C	VT-1	12 Studs & Nuts	1/31/85	---	---	Velan 6C58
								*Vlv. bolting not seperately documented from internals. Leak- tight status confirms integrity.



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bolting (2-Inch Dia. and Less)(Cont'd)							
B7.70	<u>6 Inch Nom. Diameter</u> Cont'd	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Safety Inj Loop 4 Hot Leg (9-36) [1.4-14]	S6-238-6SPL+ V-8949D	VT-1	12 Studs & Nuts	1/17/85	---	---	Velan 6C58
	RHR Pp1-1 Inj Cold Leg 1 (9-33,412) [1.4-15]	S6-3844-6SPL V-8818A	VT-1	12 Studs & Nuts	1/31/85	---	---	Velan 6C58
	RHR Pp1-1 Inj Cold Leg 2 (9-32,413) [1.4-17]	S6-3845-6SPL V-8818B	VT-1	12 Studs & Nuts	1/22/85	---	---	Velan 6C58
	RHR Pp1-2 Inj Cold Leg 3 (9-34,446) [1.4-18]	S6-3846-6SPL V-8818C	VT-1	12 Studs & Nuts	1/31/85	---	---	Velan 6C58



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bolting (2-Inch Dia. and Less)(Cont'd)							
B7.70	6-In. Nom. Dia. Cont'd	Line No. Valve No.(s)						Manufacturer & Style
	RHR Ppl-2 Inj Cold Leg 4 (9-21,34) [1.4-18]	S6-3847-6SPL V-8818D	VT-1	12 Studs & Nuts	1/22/85	---	---	Velan 6C58
	Pressurizer RV-8010A Inlet (7-17) [1.4-19]	S6-729-6 *RV-8010A	VT-1	12 Studs & Nuts	10/1/75	---	---	Crosby 6RV58MSB
	Pressurizer RV-8010B Inlet (7-19) [1.4-20]	S6-728-6 RV-8010B	VT-1	12 Studs & Nuts	1/22/85	---	---	Crosby 6RV58MSB
	Pressurizer RV-8010C Inlet (7-18) [1.4-21]	S6-727-6 RV-8010C	VT-1	12 Studs & Nuts	1/22/85	---	---	Crosby 6RV58MSB
B7.70	4-Inch Nom.Dia. Loop 1 Spray (7-12,10) [1.4-24]	S6-13-4SPL V-8033C V-8033D 2-PCV-455B	VT-1 VT-1 VT-1	12 Studs 12 Studs 8 Studs & Nuts	1/28/85 1/28/85 1/28/85	---	---	Velan 4G58 4G58 Copes-Vulcan 4RA58RGA
								*Vlv. bolting not seperately documented from internals. Leak- tight status confirms integrity.



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bolting (2-Inch Dia. and Less)(Cont'd)							
B7.70	4-Inch Nom. Dia. Cont'd	Line No. Valve No.(s)						Manufacturer & Style
	Loop 2 Spray (7-5, 7-6) [1.4-28] [1.4-25]	S6-14-4SPL V-8033A V-8033B 2-PCV-455A	VT-1 VT-1 VT-1	12 Studs 12 Studs 8 Studs & Nuts	1/28/85 1/28/85 1/28/85	--- --- ---	--- --- ---	Velan 4G58 4G58 Copes-Vulcan 4RA58RGA
B7.70	3-Inch Nom. Dia. Loop 1 Hot Leg RTD Conn. (7-24) [1.4-27]	S6-3488-3SPL V-8073A	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 2 Hot Leg RTD Conn. (7-25) [1.4-28]	S6-3489-3SPL V-8073B	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 3 Hot Leg RTD Conn. (7-15) [1.4-29]	S6-3495-3SPL V-8073C	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 4 Hot Leg RTD Conn. (7-16) [1.4-30]	S6-3496-3SPL V-8073D	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bolting (2-Inch Dia. and Less)(Cont'd)							
B7.70	<u>3-Inch Nom. Dia.</u> <u>Cont'd</u>	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Loop 1 RTD Manifold Ret Hdr (7-13) [1.4-27]	S6-1141-3SPL V-8074A	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 2 RTD Manifold Ret Hdr (7-25) [1.4-28]	S6-1147-3SPL V-8074B	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 3 RTD Manifold Ret Hdr (7-15) [1.4-29]	S6-1153-3SPL V-8074C	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Loop 4 RTD Manifold Ret Hdr (7-16) [1.4-30]	S6-1158-3SPL V-8074D	VT-1	12 Studs & Nuts	1/28/85	---	---	Velan 3G58
	Charging Line Loop 4 (8-64) [1.4-31]	S6-246-3SPL V-8378B	VT-1	12 Studs	1/30/85	---	---	Velan 3C58
		V-8379B	VT-1	12 Studs & Nuts	1/30/85	---	---	Velan 3C58

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>VALVES - Cont'd</u>								
B-G-2	<u>Pressure Retaining Bolting</u> (2 Inch Dia. and Less)(Cont'd)							
B7.70	<u>3-Inch Nom. Dia.</u> <u>Cont'd</u>	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Charging Line Loop 3 (8-64) [1.4-31] (CVCS Alternate)	S6-50-3SPL V-8379A V-8378A	VT-1 VT-1	12 Studs 12 Studs & Nuts	1/30/85 1/30/85	--- ---	--- ---	Velan 3C58 3C58
	Boron Inj Cold Leg Hdrs (9-19) [1.4-32]	S6-1016-3 V-8820	VT-1	12 Studs & Nuts	1/30/85	--- ---	---	Velan 3C58
	Letdown Line Loop 2 (7-8) [1.4-33]	S6-24-3SPL+ V-8076 2-LCV-459(2") 2-LCV-460	VT-1 VT-1 VT-1	2 Studs 6 Studs 8 Studs & Nuts	1/30/85 1/30/85 1/30/85	--- --- ---	---	Velan 3T58 Copes-Vulcan (2") Masoneilan 3IA58RGP
	Pressurizer Power RV PCV-474 (7-22) [1.4-34]	S6-1171-3SPL+ V-8000A 2-PCV-474	VT-1 VT-1	12 Studs 8 Studs & Nuts	1/29/85 1/29/85	--- ---	---	Velan 3GM58FN Masoneilan 3IA58RGP
	Pressurizer Power RV PCV-455C (7-21) [1.4-35]	S6-1172-3SPL+ V-8000A 2-PCV-455C	VT-1 VT-1	12 Studs 8 Studs & Nuts	1/29/85 1/29/85	--- ---	---	Velan 3GM58FN Masoneilan 3IA58RGP



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less)(Cont'd)							<u>Manufacturer & Style</u>
B7.70	<u>3-Inch Nom. Dia.</u> <u>Cont'd</u>	<u>Line No.</u> <u>Valve No.(s)</u>						
	Pressurizer Power RV	S6-1195-3SPL+	VT-1	12 Studs	1/29/85	---	---	3GM58FN
	PCV-456 (7-23)	V-8000C	VT-1	8 Studs	1/29/85	---	---	3IA58RGP
	[1.4-36]	2-PCV-456		and Nuts				
B7.70	<u>2-Inch Nom. Dia.</u> <u>Charging Line Aux</u> <u>Spray</u> (8-596) [1.4-39]	S6-51-2SPL V-8145	VT-1	6 Studs & Nuts	1/31/85	---	---	Copes-Vulcan 2IA58RE
	Charging Line Aux	S6-4532-2SPL V-8148	VT-1	6 Studs & Nuts	1/31/85	---	---	2IA58RE

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less)(Cont'd)							
B7.70	<u>2-Inch Nom. Dia.</u> <u>Cont'd</u>	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Loop 1 Cold Leg Drain RCDT (7-434) [1.4-44]	S6-958-2SPL V-8057A V-8058A	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/17/85 1/17/85	--- ---	--- ---	(Rockwell) Edwards 2T58 Edwards 2T58
	Loop 2 Cold Leg Drain RCDT (7-436) [1.4-45]	S6-959-2SPL V-8057B V-8058B	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/25/85 1/25/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58
	Loop 3 Cold Leg Drain RCDT [1.4-46](7-424)	S6-960-2SPL V-8057C V-8058C	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/17/85 1/17/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58
	Loop 4 Cold Leg Drain RCDT [1.4-47](7-419)	S6-961-2SPL V-8057D V-8058D	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/17/85 1/17/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>VALVES - Cont'd</u>								
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less)(Cont'd)							
B7.70	<u>2-Inch Nom. Diameter</u> Cont'd	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Loop 1 Hot Leg RTD Conn Hdr. (7-422,443) [1.4-51]	S6-1139-2SPL V-8063A V-8067A	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85	--- ---	--- ---	(Rockwell) Edwards 2T58 Edwards 2T58
	Loop 2 Hot Leg RTD Conn Hdr. (7-423,448) [1.4-52]	S6-1145-2SPL V-8063B V-8067B	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58
	Loop 3 Hot Leg RTD Conn Hdr. (7-425,428) [1.4-53]	S6-1151-2SPL V-8063C V-8067C	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	10/2/85 1/30/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58
	Loop 4 Hot Leg RTD Conn Hdr. (7-426,427) [1.4-54]	S6-1157-2SPL V-8063D V-8067D	VT-1 VT-1	2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85	--- ---	--- ---	Edwards 2T58 Edwards 2T58



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less)(Cont'd)							
B7/70	<u>2-Inch Nom. Diameter</u> Cont'd	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Loop 1 Cold Leg RTD Conn (7-441) [1.4-55]	S6-1140-2SPL V-8089A V-8088A V-8075A	VT-1 VT-1 VT-1	2 Bolts 2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85 1/30/85	--- --- ---	--- --- ---	(Rockwell) Edwards 2T58 Edwards 2T58 Edwards 2T58
	Loop 2 Cold Leg RTD Conn (7-452) [1.4-56]	S6-1146-2SPL V-8089B V-8088B V-8075B	VT-1 VT-1 VT-1	2 Bolts 2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85 1/30/85	--- --- ---	--- --- ---	Edwards 2T58 Edwards 2T58 Edwards 2T58
	Loop 3 Cold Leg RTD Conn (7-447) [1.4-57]	S6-1152-2SPL V-8089C V-8088C V-8075C	VT-1 VT-1 VT-1	2 Bolts 2 Bolts 2 Bolts and Nuts	1/30/85 1/30/85 1/30/85	--- --- ---	--- --- ---	Edwards 2T58 Edwards 2T58 Edwards 2T58



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: VALVES (B-G) (1.6)
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CATEGORY							CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED		
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u> (2-Inch Dia. and Less)(Cont'd)							
B7.70	<u>2-Inch Nom. Diameter</u> Cont'd	<u>Line' No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Loop 4 Cold Leg RTD Conn (7-446) [1.4-58]	S6-1159-2SPL V-8089D V-8088D V-8075D	VT-1 VT-1 VT-1	2 Bolts 2 Bolts 2 Bolts	1/30/85 1/30/85 1/30/85	--- --- ---	--- --- ---	(Rockwell) Edwards 2T58 Edwards 2T58 Edwards 2T58
					and Nuts			

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-G) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-G-2	<u>Pressure Retaining Bolting</u>							
B7.70	<u>Valve Bolting < 2" Dia.</u>							
B7.70	<u>1.5 Inch Nom.Diam.</u>	<u>Line No. Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Boron Inj Tk Out Loop 1 Cold Leg (9-436) [1.4-59]	S6-1991-1.5 V-8810A	VT-1	2 Bolts & Nuts	1/29/85	---	---	(Rockwell) Edwards 1.5T58
	Boron Inj Tk Out Loop 2 Cold Leg (9-431) [1.4-61]	S6-1992-1.5 V-8810B	VT-1	2 Bolts & Nuts	1/30/85	---	---	Edwards 1.5T58
	Boron Inj Tk Out Loop 3 Cold Leg (9-437) [1.4-63]	S6-1993-1.5 V-8810C	VT-1	2 Bolts & Nuts	1/25/85	---	---	Edwards 1.5T58
	Boron Inj Tk Out Loop 4 Cold Leg (9-439) [1.4-65]	S6-1994-1.5 V-8810D	VT-1	2 Bolts & Nuts	1/25/85	---	---	Edwards 1.5T58

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: VALVES (B-K) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES- Cont'd</u>							
B-K-1	<u>Integrally Welded Supports</u>							
B10.30	Attachments (Welded) To Pressure Boundary (Valves)		---	---	---	---	---	Not Applicable- No Welded Attachments to Valves
B-K-2	Support Components							
B11.30	Valve Support Components		---	---	---	---	---	Included in Table Section 1.4, Scheduled with Pipe Supports.

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: VALVES (B-M) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>VALVES - Cont'd</u>							
B-M-1	<u>Pressure Retaining Welds</u>							
B12.30	Valve Body Welds		---	---	---	---	---	Item not applicable
B-M-2	Valve Bodies							
B12.40	Valve Body-exceeding 4 in. nom. diameter (Internal Surfaces)	<u>Line No.</u> <u>Valve No.(s)</u>					<u>Manufacturer & Style</u>	
	Loop 4 Hot Leg Before V-8701 (10-21,22) [1.4-10]	S6-1665-14SPL V-8701	VT-1	1	11/7/75	---		Copes-Vulcan GM-48SEZ
	Accumulator Injection (9-13) Loop 1[1.4-8]	S6-255-10SPL V-8956C	VT-1	1	9/30/75	---		Containment Isol Darling, 10C48Z Check Valve



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1ITEM: VALVES (B-M) (1.6)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>VALVES</u> .- Cont'd								
B-M-2 B12.40	Valve Bodies, Cont'd Interior, Cont'd	<u>Line No.</u> <u>Valve No.(s)</u>						<u>Manufacturer & Style</u>
	Safety Inj Loop 1 Hot Leg (9-31A,449) [1.4-11]	S6-235-6SPL+ V-8949A	VT-1	1	9/30/75	---	---	Velan 6C58 Check Valve
	Pressurizer RV-8010A (7-17) Inlet [1.4-22]	S6-729-6SPL RV-8010A	VT-1	1	10/1/75	---	---	Crosby 6RV58 Relief Valve

D. CLASS 2 COMPONENTS

D.1. Vessels



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (STM GEN) (2.1)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>STEAM GENERATORS</u>		DWG. Ref DC-663206-77 [2.1-1]						
C-A	<u>Pressure Retaining Welds</u>							
	Welds 1-3, 1-4, 1-5, and 1-7 have removable windows to expose 20% of weld as required by S-75 Section XI.							
C1.10	<u>Welds</u> Shell Circumferential	Girth Welds						
C1.30	Steam Generator 2-1 (Serial No. 1161)	Girth W1-2	UT	1	5/24/78	---		Tube Sheet 100% (to) Stub Barrel (36')
C1.10	Steam Generator 2-1	Girth W1-3 Loop 1	UT	1	5/24/78	---		Stub Barrel 100% (to) Lower Shell (36')
C1.10	Steam Generator 2-1	Girth W1-4 Loop 1	UT	1	5/24/78	---		Shell Barrel 100% (to) Transition Cone (36')



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (STM GEN) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>STEAM GENERATORS</u> Cont'd								
C-A	<u>Pressure Retaining Welds - Cont'd</u>							
C1.1	Steam Generator 2-1 (Serial No. 1161)	Girth W1-5 Loop 1	UT	1	5/24/78	---		Transition Cone 100% (to) Upper Barrel (46')
C1.1	Steam Generator 2-1	Girth W1-7 Loop 1	UT	1	5/24/78	---		Upper Barrel 100% (to) Upper Head (46')

PGandE

DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (STM GEN) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>STEAM GENERATORS</u> (continued)							
C-B	<u>Nozzles > 4" Dia.</u> <u>in Vessels</u>							
C2.10	Nozzles in vessels < 1/2" nominal thickness							
			---	---	---	---	---	Item Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (STM GEN) (2.1)
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CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
	<u>STEAM GENERATORS</u>							
	Cont'd							
C-B	<u>Nozzles > 4" in Dia.</u>							
	<u>In Vessels (cont'd)</u>							
C2.20	Nozzles in vessels > 1/2" nominal thickness	Steam gen. to nozzle [2.1-1]						NOTE: SUR/VOL performed on weld joint when scheduled - Inner radius section Relief #19 (ref. SER sup. 13)
C2.21	Nozzle to Shell (Head)							
C2.22	Inner Radius							
	STEAM GENERATOR 2-1	Nozzle Weld	MT	1	9/23/85	---	---	
	Feedwater Lead 3	(to)	UT		5/24/78			
C2.21	Nozzle Weld	Shell at						
C2.22	Inner Radius [2.1-1]	K16-557-16IV	UT	1	N/A	---	---	Relief Granted Ref. SER Sup. 13
	STEAM GENERATOR 2-1	Nozzle Weld	MT	1	9/23/85	---	---	
	Feedwater Lead 4	(to)	UT		5/24/78			
C2.21	Nozzle Weld	Shell at						
C2.22	Inner Radius [2.1-1]	K15-225-28V	UT	1	N/A	---	---	Relief Granted Ref. SER Sup. 13
C-C	<u>Integrally Welded</u>							
	<u>Support Attachments</u>							
	<u>(To Pressure Vessel)</u>							
C3.10	Integrally Welded Supports	---	---	---	---	---	---	Item Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (STM GEN) (2.1)
PAGE 5 OF 18

CATEGORY								CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
	<u>STEAM GENERATORS</u> Cont'd								
C-E	<u>Integrally Welded Support Components</u>								
C3.20	Steam Gen. 1-2	Snubber Attachments	VT-3	4	6/7/85	---	---		
C3.30	Mechanical and Hydraulic Snubbers			(16)					
	Steam Generator 2-1 [2.1-1]	Hydraulic Snubbers #1 - #4	VT-3 VT-4	4	6/7/85	---	---		
	Steam Generator 2-2 [2.1-1]	Hydraulic Snubbers #1 - #4	VT-3 VT-4	4	6/7/85	---	---		
	Steam Generator 2-3 [2.1-1]	Hydraulic Snubbers #1 - #4	VT-3 VT-4	4	6/7/85	---	---		
	Steam Generator 2-4 [2.1-1]	Hydraulic Snubbers #1 - #4	VT-3 VT-4	4	6/7/85	---	---		
C-D	<u>Pressure Retaining Bolting</u>								
C4.10	Bolting > 2" Dia.		---	---					Item Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (STM GEN) (2.1)
PAGE 6 OF 18

CATEGORY		CORRECTIVE ACTION (IF REQUIRED)							REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
	<u>BORON INJECTION TANK</u>								
C-A	<u>Pressure Retaining Welds</u>	DWG. REF DC-663216-45 [2.1-2]							
C1.10	<u>WELDS</u> Shell Circumferential	---	---	Not Applicable		---			Struthers Wells Corp. Serial Number 2-70-07-30717-8
C1.20	Boron Injection Tank 2-1	<u>GIRTH WELDS</u> Girth W-A (Top Head)	UT	1	9/19/85	---	---		Top Head 40% (to) Shell (6')
C1.20		Girth W-B (Bot Head)	UT	1	1/23/85	---	---		Bottom Head 40% (to) Shell (6')
C1.30	Tubesheet to Shell	---	---	Not Applicable		---			
C-B	<u>Nozzle To Vessel Welds</u>								
C2.10	Nozzles in Vessels < 1/2" Nominal Thickness	---	---	---					Items Not Applicable
C2.20	> 1/2" Nominal Thickness	Top Head to Nozzle Weld	MT	1	1/26/85	---	---		4" Line Item Not Applicable
C2.21		Weld #N-A							(MT incl. for completeness)
C2.22	[2.2-19][2.1-2]	Bottom Head to Nozzle Weld	MT	1	1/26/85	---	---		Inner Radius Relief #19
		Weld #N-B	UT		1/23/85				SER Sup. 13

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (B.I.T.) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>BORON INJECTION TANK - Cont'd</u>								
C-C C-E C3.10	Integrally Welded Support Attachments (To Pressure Vessels)	---	---	---	---	---	---	Not Applicable
C3.20	Support Components							
	Support Leg [2.1-2]	Leg-A	MT VT-3	1	12/10/79 6/7/85	---	---	
	Support Leg [2.1-2]	Leg-B	MT VT-3	1	12/10/79 6/7/85	---	---	
	Support Leg [2.1-2]	Leg-C	MT VT-3	1	12/10/79 6/7/85	---	---	
	Support Leg [2.1-2]	Leg-D	MT VT-3	1	12/10/79 6/7/85	---	---	
C3.30	SUPPORTS, MECHANICAL HYDRAULIC SNUBBERS		---	---	---	---	---	Item Not Applicable
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.10	Bolting > 2" Dia.	Manway Bolting	UT	16	4/1/85	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (FILTERS) (2.1)
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CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
	<u>SEAL INJECTION FILTERS</u>							
C-A	<u>Press. Retaining Welds</u>							
		DWG. REF						Commercial Filters Corp.
		DC-663200-42						(Ser. # 17392-1824)
		DC-663200-19						
		[2.1-3]						
	<u>WELDS</u>							
C1.10	Shell Circumferential							
C1.20	Head Circumferential							
C1.30	Tube Sheet To Shell	---	---	---	---	---	---	Item Not Applicable
C1.10	Seal Injection Filter 2-1	Girth Welds Girth W-A Shell-Flange	UT	1	12/9/77	---	---	
C1.20		Girth W-B (Bot Head)	UT	1	12/9/77	---	---	
C-B	<u>NOZZLES IN VESSELS</u>	[2.1-3]						
C2.10	< 1.2" Nom. Thickness		---	---	---	---	---	Item Not Applicable
C2.20	> 1/2" Nom. Thickness		---	---	---	---	---	Item Not Applicable
(C2.21, C2.22)								
C-C	<u>Integrally Welded</u>							
C3.10	<u>Support Attachments</u> (To Pressure Vessels)	---	---	---	---	---	---	Item Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (FILTERS) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>SEAL INJECTION FILTERS</u>							
C3.20	Support Components		---	---	---	---	---	Item Not Applicable
C3.30	Supports Mechanical and Hydraulic Snubbers		---	---	---	---	---	Item Not Applicable
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.10	Bolting > 2" Dia.		---	---	---	---	---	Item Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (EX. LTD. EXC) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-A	<u>EXCESS LETDOWN</u> <u>HEAT EXCHANGER</u> <u>Pressure Retaining</u> <u>Welds</u>	DWG. REF. DC-66210-12 [2.1-4]						Atlas S/N 854
C1.10	<u>WELDS</u> Shell Circumferential							
C1.20	Head Circumferential							
C1.30	Tube Sheet to Shell	---	---	---	---	---	---	Item Not Applicable
C1.10	Excess Letdown Heat Exchanger 2-1	GIRTH WELDS Weld Item 13 (Flange)	UT	1	12/8/77	---		Bot FLG To Shell (as accessible)
C1.20	Excess Letdown Heat Exchanger 2-1	Weld Item 14 (Bot Head)	UT	1	12/8/77	---		Bot FLG To Head (as accessible)
C-B	<u>NOZZLES IN VESSELS</u>							
C2.10	< 1/2" Nom. Thickness		---	---	---	---	---	Item Not Applicable
C2.20	> 1/2" Nom. Thickness		---	---	---	---	---	Item Not Applicable
(C2.21, C2.22)								
C-C	<u>INTEGRALLY WELDED</u> <u>SUPPORT ATTACHMENTS</u> (To Pressure Vessls)							
C3.10	Integrally Welded Supports	Weld Item 15	PT	1	10/9/78	---	Attach't to Shell	
C-E		Weld Item 16	PT	1	10/9/78	---		
C3.20	Component Supports		---	---	---	---	---	C3.20 Items Not Applicable



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DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (EX. LTD. EXC) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>EXCESS LETDOWN HEAT EXCHANGER - Cont'd</u>							
C-C C-E C3.30	<u>INTEGRALLY WELDED SUPPORTS</u> Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.10	Bolting > 2" Dia.		---	---	---	---	---	Items Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (REG. HT. EXC.) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>REGENERATIVE HEAT EXCHANGERS</u>	DWG. REF. DC-663210-72 [2.1-5]						Joseph Oat & Sons Serial #1831-4I 1831-4II, 18314III
C-A	<u>PRESSURE RETAINING WELDS</u>							
C1.10	Shell Circumferential	Girth Welds	---	---	---	---	---	Item Not Applicable
C1.20	Head Circumferential	Girth Welds						
C1.30	Tube Sheet to Shell	Girth Welds						
C1.20	Shell No. 3 Head-to-Shell Welds	Girth Weld Item 9	PT*	1	1/28/85	---		Head (to) Shell (As Accessible)
		Girth Weld Item 12	PT*	1	1/28/85	---		Head (to) Shell (As Accessible)
C1.30	Shell No. 3 Tube Sheet to Shell Welds	Girth Weld Item 10	PT*	1	2/2/85	Misc. Surface Indica- tion	Repaired by welding NRI after repair	Shell (to) Sheet (As Accessible)
		Girth Welds Item 11	PT*	1	1/28/85	---		Sheet (to) Shell (As Accessible)
								*Volumetric Examination with UT not practical material is centrifugal cast S.S.



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (REG. HT. EXC.) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>REGENERATIVE HEAT EXCHANGER Cont'd</u>							
C-B	<u>NOZZLES IN VESSELS</u>							
C2.10	< 1/2" Nom. Thickness		---	---	---	---	---	Items Not Applicable
C2.20	> 1/2" Nom. Thickness		---	---	---	---	---	Items Not Applicable
C2.21								
C2.22								
C-C	<u>INTEGRALLY WELDED SUPPORT ATTACHMENTS (To Pressure Vessels)</u>							
C3.10			---	---	---	---	---	Item Not Req'd IWC-2500-1 Footnote (4)
C-E	<u>SUPPORT COMPONENTS</u>							
C3.20			---	---	---	---	---	Item Not Req'd IWC-2500-1 Footnote (4)
C3.30	Supports Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.10	Bolting > 2" Dia.		---	---	---	---	---	Items Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (REG. HT. EXC.) (2.1)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>RESIDUAL HEAT REMOVAL</u> <u>HEAT EXCHANGER</u>	DWG. REF. DC-663200-60 [2.1-6]						Engineers & Fabricators Company (Ser. # 15588-C)
C-A	<u>PRESSURE RETAINING</u> <u>WELDS</u>							
C1.10	Shell Circumferential							
C1.20	Head Circumferential							
C1.30	Tube Sheet to Shell	--- Not Applicable ---						
		Girth Welds						
C1.10	RHR Exchanger 2-1	Item 21	UT	1	1/26/85	---	---	Flg. to Shell (As Accessible)
C1.20	RHR Exchanger 2-1	Item 22 Weld #4	UT	1	1/26/85	---	---	Bottom Head to Shell (As Accessible)
C-B	<u>NOZZLES IN VESSELS</u>							
C2.10	< 1/2" Nominal Thickness		---	---	---	---	---	Items Not Applicable
C2.20	> 1/2" Nom. Thickness	Nozzle Welds						
C2.21	RHR Exchanger 2-1 [2.2-2]	Item 23	PT	1	12/9/77	---	---	Configuration prevents accessibility for volumetric exam. Ref.
C2.22	RHR Exchanger 2-1 [2.2-8][2.1-6]	Item 24	PT	1	12/9/77	---	---	Relief Request #9 (SER. Sup 13)

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (REG. HT. EXC.) (2.1)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>RHR HEAT EXCHANGERS</u> <u>Cont'd</u>							
C-C	<u>INTEGRALLY WELDED</u> <u>SUPPORT ATTACHMENTS</u> (To Pressure Vessels)							
C3.10	RHR Exchanger 2-1	Item 19	PT	1	12/9/77	---	---	(Accessible Areas)
		Item 20	PT	1	12/9/77	---	---	(Accessible Areas)
C3.30	Supports Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable
C-D	<u>PRESSURE RETAINING</u> <u>BOLTING</u>							
C4.10	Bolting >2" Dia.		---	---	---	---	---	Items Not Applicable
C-E	<u>SUPPORT COMPONENTS</u>							
C3.20	RHR Exchanger 2-1	Item 19	VT-3	1	1/27/85	---	---	(Accessible Areas)
		Item 20	VT-3	1	1/27/85	---	---	(Accessible Areas)



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PRESSURE VESSELS (STAB. SEP'R.) (2.1)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
C-A	STABILIZER SEPARATOR @ Recip.Chg.Pp.1-3	DWG REF DC-663210-180-1						General Atomic S/N E610
C-A	<u>PRESSURE RETAINING WELDS</u>							
C1.10	Shell Circumferential		---	---	---	---	---	Items Not Applicable
C1.20	Head Circumferential Top Head-To-Shell Bottom Head-To-Shell	Weld G-A Weld G-B	UT UT	1 1	1/24/85 1/24/85	--- ---	--- ---	
C1.30	Tube Sheet-To-Shell		---	---	---	---	---	Items Not Applicable
C-B	<u>NOZZLE TO VESSEL</u>							
C2.10	<u>≤ 1/2" Nom. Thickness</u>		---	---	---	---	---	Items Not Applicable
C2.20 (C2.21,C2.22)	<u>> 1/2" Nom. Thickness</u>		---	---	---	---	---	Items Not Applicable
C-C	<u>INTEGRALLY WELDED</u>		---	---	---	---	---	Items Not Applicable
C3.10	<u>SUPPORTS</u>							
C3.20	Component Supports	Support Skirt	VT-3	1	1/27/85	---	---	
C3.30	Supports-Mech's & Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable



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PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS (STAB. SEP'R.) (2.1)
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CATEGORY

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
C-D	<u>STABILIZER SEPARATOR</u> - Cont'd <u>PRESSURE RETAINING</u> <u>BOLTING</u>							
C4.10	Bolting > 2" Dia.	Remarks	---	---	---	---	---	Items Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PRESSURE VESSELS(LIQ. PULS. DAMP.)(2.1)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
	LIQUID PULSATION DAMPENER @ Recip. Ch. Pp 1-3	DWG REF DC-663210-181-1						Gen. Atomic SN E-611
C-A	<u>PRESSURE RETAINING WELDS</u>							
C1.10	Shell Circumferential		---	---	---	---	---	Not required. See (IWC-2500-1) Footnote 2
C1.20	Head Circumferential		---	---	---	---	---	Items Not Applicable
C1.30	Tube Sheet-To-Shell		---	---	---	---	---	Items Not Applicable
C-B	<u>NOZZLE TO VESSEL</u>							
C2.10	$\leq 1/2$ Nom. Thickness		---	---	---	---	---	Items Not Applicable
C2.20 (C2.21,C2.22)	$> 1/2$ Nom. Thickness		---	---	---	---	---	Not Required See (IWC-1220,C)
C-C	<u>SUPPORT MEMBERS</u>		---	---	---	---	---	Items Not Applicable Supported by pipe.
C3.10								
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.10	Bolting $> 2"$ Dia.		---	---	---	---	---	Item not applicable
C-E	<u>SUPPORT MEMBERS</u>		---	---	---	---	---	Item not applicable
C3.20 C3.30								



D.2. Piping

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	SUB-ITEM OUT OF SEQUENCE INTENTIONALLY ITEMS ARE LISTED BY WALL THICKNESS, CATEGORY (C-F) OR (C-G) SINGLE OR MULTIPLE STREAM AND LINE SIZE.							Scheduling of all class 2 pipe welds with sum 75 add. refers to 1974 ED. of code for extent and frequency of examination. (Per 10CFR50.55A)
C-F	<u>PRESSURE RETAINING WELDS IN PIPING</u> (Piping Welds Over 1/2" Nom. Wall Thickness)							CF lines circulate Reactor Coolant. CG lines circulate "other" fluids.
C5.21	Circumferential Welds (Single Stream Systems)	<u>Butt Welds</u>						
	RHR Injection To Hot Leg 1 & 2 (10-19)	S6-120-12 [2.2-5]	PT UT	1	1/26/77 11/28/77	---	---	
	Cent.Charg.Pps.Disch. Hdr (8-18)	S6-1454-6 [2.2-15]	PT UT	5	1/27/77 1/27/77	---	---	

END SINGLE STREAM, C-F

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING -Cont'd</u>							
C5.21	Circumferential Welds Butt Welds (Multiple Stream Systems)							
	SIS To RCS Hot Leg Loop 1 (10-19,9-31)	S6-2575-8 [2.2-5]	PT UT	1	1/26/77 11/18/77			
	SIS to RCS Hot Leg Loop 2 (10-16)	S6-2576-8 [2.2-4]	---	---	---	---	---	
	END M/S SYSTEMS C-F							
C-F	<u>PRESSURE RETAINING WELDS IN PIPING</u>							
C5.21	Circumferential Welds Butt Welds (Single Stream System)							
	Charging Pumps Disch. Emerg. (8-18,9-37)	S6-1973-6 [2.2-15]	PT UT	3	12/1/77 12/1/77	---	---	
	Boron Injection Tank Inlet (9-37)	S6-2032-6III [2.2-15]	PT UT	7	1/27/85 1/27/85	---	---	
	END SINGLE STREAM, C-G							



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING - Cont'd</u>							
C5.21	Circumferential Welds (Multiple Stream Systems)	Butt Welds						
	Steam Gen Steam Outlet 2-1 (501013)	K15-228-28V [2.2-17] Lead 1	MT UT	6	12/13/78 12/13/78	---	---	
	Steam Gen Steam Outlet 2-2 (501014)	K15-227-28V [2.2-18] Lead 2				---	---	
	Steam Gen Steam Outlet 2-3 (501015)	K15-226-28V [2.2-20] Lead 3				---	---	
	Steam Gen Steam Outlet 2-4 (501016)	K15-225-28V [2.2-19] Lead 4				---	---	
	Main Steam Relief Vlv.Hdr.(501015)	K15-1065-24V [2.2-20] Lead 3				---	---	
	Main Steam Relief Vlv.Hdr.(501016)	K15-1066-24V [2.2-19] Lead 4				---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING - Cont'd.</u>							
C5.21	Circumferential Welds Butt Welds (Multiple Streams, Cont'd)							
	Stm Gen Feed Wtr Supply Gen 2-1 (501023)	K16-554-16V Lead 1 [2.2-21]	MT UT	8	12/11/78 12/12/78	---	---	
	Stm Gen Feed Wtr Supply Gen 2-2 (501023)	K16-555-16V Lead 2 [2.2-22]				---	---	
	Stm Gen Feed Wtr Supply Gen 2-3 (501023)	K16-557-16V Lead 3 [2.2-23]				---	---	
	Stm Gen Feed Wtr Supply Gen 2-4 (501023)	K16-556-16V Lead 4 [2.2-29]				---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING -Contd</u>							
C5.21	Circumferential Welds Butt Welds (Multiple Streams, Cont'd)							
	RHR Pp Inj Cold Leg Pp 2-1 (9-23) (9-24) (9-25) (10-16)	S6-508-8III [2.2-30] [2.2-31] [2.2-32]	PT UT	6	11/17/77 11/18/77	WIC-73 Surface Indica- tion	Indication Removed	NRI After Removal
	RHR Pp Inj Cold Leg Pp 2-2 (9-21)	S6-509-8III [2.2-33]	---	---	---	---	---	
	RHR Pp 2-1 Inj Cold Leg Loop 1 (9-22)	S6-3844-6III [2.2-34]	PT UT	2	11/18/77 11/28/77	---	---	
	RHR Pp 2-1 Inj Cold Leg Loop 2 (9-22)	S6-3845-6III [2.2-34]	---	---	---	---	---	
	RHR Pp 2-2 Inj Cold Leg Loop 3(9-21)	S6-3846-6III [2.2-33]	---	---	---	---	---	
	RHR Pp 2-2 Inj Cold Leg Loop 4(9-21)	S6-3847-6III [2.2-33]	---	---	---	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY								CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED			
C-F	<u>PRESSURE RETAINING WELDS IN PIPING -Contd</u>								
C5.22	Longitudinal Welds Over 1/2 In. Wall (Category C-F Single Stream Systems)	Long'l Seams	---	---	---	---	---	---	Items Not Applicable
	(Multiple Stream Systems Category C-F)		---	---	---	---	---	---	Items Not Applicable
	(Single Stream Systems Category C-G)		---	---	---	---	---	---	Items Not Applicable
	(Multiple Stream Systems Category C-G)								
C5.22	Steam Gen Steam Outlet 2-1 (501013)	K15-228-28V [2.2-17] Lead 1	MT UT	1	11/28/78 2/15/79	---	---	---	11" Not Surface Exam'd Will Be Exam'd First Outage
	Steam Gen Steam Outlet 2-2 (501014)	K15-227-28V [2.2-18] Lead 2	---	---	---	---	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING WELDS IN PIPING -Contd							
C5.22	Long'l Welds Cont'd.							
	Steam Gen Steam Outlet 2-3 (501015)	K15-226-28V [2.2-19] Lead 3	---	---	---	---	---	
	Steam Gen Steam Outlet 2-4 (501016)	K15-225-28V [2.2-20] Lead 4	---	---	---	---	---	
C5.30	Pipe Branch Connection	Branch Welds	---	---	---	---	---	Items Cat'y C-F Not Applicable - No Branch Connection Welds
C5.31	Circumferential Welds	Category C-F	---	---	---	---	---	
C5.32	Longitudinal Welds	Category C-F	---	---	---	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING</u> Piping Welds < 1/2" or Nominal Wall Thickness							
C5.11	Circumferential Welds Butt Welds (Single Stream Systems)							
C5.11	Loop 4 Hot Leg To RHR Pps (10-10) (10-21)	S1-927-14III [2.2-1]	PT	7	11/18/77	---	---	
	Res. Ht.Exchanger 2 Outlet (10-5)	S1-3551-14III [2.2-2]	PT	2	9/1/76	---	---	
	RHR Injection To Hot Leg 1 & 2 (10-15) (10-18) (10-19)	S1-985-12IIIP [2.2-3] [2.2-4] [2.2-5]	PT	21	1/26/77	---	---	
	Cent Chrg.Pps.Suct Header (8-14)	S2-1456-8 [2.2-7]	PT	2	1/12/85	---	---	

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING - Cont'd</u>							
C5.11	Circumferential Welds Butt Welds (Single Stream Systems)							
	RHR Exchs Bypass Cross-Tie (10-2,3)	S1-1663-8III [2.2-8] [2.2-9]	PT	14	8/28/78	--- ---	---	
	Residual Ht Exchs Bypass Hdr (10-4,13)	S1-1661-8III [2.2-10]	PT	15	11/17/77	--- ---	---	
	RHR Exchs Outlet Cross-Tie Hx 2-2 (10-14)	S1-1669-8 [2.2-14]	PT	9	1/8/85	WIC 172 Undercut	Blended	NRI After Blending
	RHR Exchs Outlet Cross-Tie Hx 2-1 (10-15)	S1-2458-8 [2.2-3]	PT	3	9/2/76			

END SINGLE STREAM SYSTEM - C-F

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING - Cont'd</u>							
C5.11	(Multiple Stream Systems)Butt Welds							
	Residual Ht Rem Pp2-1 Suction (10-10) (10-9)	S1-110-14III [2.2-25]	PT	8	9/1/76	---	---	
	Residual Ht Rem Pp2-2 Suction (10-10) (10-8)	S1-111-14III [2.2-6]				---	---	
	Residual Ht Rem Pp2-1 Disch (10-2)	S1-112-8III [2.2-8]	PT	16	9/1/76	---	---	
	Risidual Ht Rem Pp2-2 Disch (10-2)	S1-113-8III [2.2-9]				---	---	
	Residual Ht Exchanger 2-1 Outlet (10-5,16) Hx to Line 2458	S1-118-8III* [2.2-26]	PT	11	11/16/77	---	---	
	Residual Ht Exchanger 2-2 Outlet (10-12,6) Hx to Line 1669	S1-119-8III* [2.2-27]				---	---	

*See Category C-G, page 14 of 30 for balance of lines 118 and 119.

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
------	---------------------	------------------------	----------	-------------	-----------	-------------	---------------------------------	---------

C-F PRESSURE RETAINING
WELDS IN PIPING -Contd

C5.11 Multiple Streams,
Category C-F
Cont'd

Butt Welds

Cent Chrg Pmp
Suct Pmp 2-1 (8-13)

S2-42-6
[2.2-35]

PT

15

1/12/85

Cent Chrg Pmp
Suct Pmp 2-2 (8-14)

S2-43-6
[2.2-7]

END OF CATEGORY C-F BUTT WELDS

C-F PRESSURE RETAINING
WELDS IN PIPING - Cont'd

Single Stream Systems
Category C-G

Butt Welds

C5.11 RWST To Res Ht Rem
Pps Suct (10-10,8)

S1-223-12IIIP
[2.2-6]

PT

2

9/2/76

Res Ht Rem To Chrg
Pps. Suct (10-5)

S2-734-8III
[2.2-2]

PT

3

1/14/85

RHR Hdr. To Chg.
Pps. Suct. (10-5)

S1-1971-8III
[2.2-2]

PT

3

9/1/76



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING-Contd</u>							
C5.11	Single Streams, Cont'd Butt Welds Category C-G							
	RHR To SIS Pp 2-2 & Cont Spr (10-11)	SI-735-8IIIP [2.2-11]	PT	4	11/18/77	WIC 274 Linear Indication	Removed by Grinding	NRI after Removal
	RHR To Safety Injec. Pmp 2-2 (9-1,5)	S2-1984-8III [2.2-12]	PT	6	1/8/85	---	---	
	Safety Inj Pumps Suc. Hdr (9-1,4)	S2-1986-8 [2.2-13]	PT	4	1/8/85	---	---	
	Charg Pps Suction From RWST Vlv. B (9-3)	S2-1988-8 [2.2-28]	PT	2	1/11/85	---		Ref.Mult. Str.2.2-13 for balance of line - 1988
	Residual Heat Rem. To RWST (10-14)	S1-2212-8III [2.2-14]	PT	1	9/2/76	---	---	
	X-Tie Chg Pp & SI Pp Suction (10-5)	S2-4296-6 [2.2-2]	PT	4	1/11/85	---	---	
	RHR To Safety Injec. Pump 2-1	S2-6 (6") [2.2-16]	PT	4	1/15/85			

END S/S SYSTEMS C-G BUTT WELDS



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING- Cont'd</u>							
C5.11	Multiple Stream Systems Category C-G	Butt Welds						
	Steam Gen MSRV Riser 2-1 (501013)	K15-228-8V [2.2-17]	MT	3	12/13/78	---	---	28" Lead 1 Line 228 Chosen as Typical
	Steam Gen MSRV Riser 2-2 (501014)	K15-228-8V [2.2-18]				---	---	
	Steam Gen 10% Atmos. Dump 2-3 (501015)	K15-226-8V [2.2-19]				---	---	
	Steam Gen MSRV Riser 2-4 (501016)	K15-225-8V [2.2-20]				---	---	
	Cont Sump To RHR Pps Pmp 2-1 Suct (10-9,10)	S1-512-14IIIP 2749-14 * [2.2-25]	PT	4	8/31/76	---	---	Line 512 Chosen as Typical
	Cont Sump To RHR Pps Pmp 2-2 Suct (10-8,10)	S1-513-14IIIP 2750-14 * [2.2-6]				---	---	
	Charg. Pps Suction From RWST Vlv A (9-3)	S2-1987-8 [2.2-28]	PT	2	1/8/85	---	---	*Ref. Single Str. for balance of line 1988-8 Table 2-2 Page 12
	Charg Pps Suc. From RWST Vlv.B (9-3)	S2-1988-8 [2.2-28]				---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F)(2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING - Cont'd</u>							
C5.11	Multiple Stream Systems Category C-G	Butt Welds						
	RHR Sup To Spray Hdrs 1 & 3 (10-17)	S1-279-8III [2.2-29]	PT	3	11/16/77	---	---	Line 279 Chosen as Typical
	RHR Sup To Spray Hdrs 2 & 4 (10-11)	S1-280-8III [2.2-11]				---	---	
	Residual Heat Exch'r 1 Outlet (10-13) Line 2458 to V-8809A	S1-118-8III* [2.2-26]	PT	2	9/1/76	---	---	Line 118 Chosen as Typical
	Residual Heat Exch'r Line 1669 to V-8809B	S1-119-8III* [2.2-27]				---	---	
	Safety Inj Pump Suc. Pump 2-1 (9-5)	S2-1982-6 [2.2-16]	PT	6	1/11/85	---	---	
	Safety Inj Pump Suc. Pump 2-2 (9-5)	S2-1983-6 [2.2-12]				---	---	Line 1982 Chosen as Typical
	End of Item C5.11							*See Category C-F Table 2.2 Page 10 for balance of lines 118 and 119



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-F) (2.2)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	<u>PRESSURE RETAINING WELDS IN PIPING-</u> Cont'd							
	Longitudinal Welds ≤ 1/2" Wall Thickness	Long'l Welds						
C5.12	Single Stream Systems Category C-F		---	---	---	---	---	Items Not Applicable
	Multiple Stream Systems Category C-F							
	Residual Ht Rem Pp 2-1 Discharge (10-2)	S1-112-8III [2.2-8]	PT	1	3/22/76	---	---	WIC-48LS Line 112 Chosen as Typical
	Residual Ht Rem Pp 2-2 Discharge (10-3)	S1-113-8III [2.2-9]				---	---	
	Residual Ht Exchanger 2-1 Outlet (10-5,16)	S1-118-8III [2.2-26]	PT	1	3/22/76	---	---	WIC 51LS Line 118 Chosen as Typical
	Residual Ht Exchanger 2-2 Outlet (10-12,6)	S1-119-8III [2.2-27]				---	---	

END OF CATEGORY C-F LONG'L WELDS



PGandE

DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - CIRCUM.WELDS (C-D) (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-D	<u>PRESSURE RETAINING BOLTING</u>							
C4.20	Bolting > 2" Dia.							Items Not Applicable



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
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CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED)	REMARKS
<u>SUPPORTS</u>								
C-C	<u>INTEGRALLY WELDED ATTACHMENTS (TO PRESSURE BOUNDARY)</u>							This column identifies attachm't number when applicable for surface exam.
C3.40	Piping	Attach't						
C3.70	Pumps (see table 2.3)							
C3.100	Valves							Valve items are included with piping.
C-E	<u>SUPPORT COMPONENTS</u>							
C3.50	Piping	Supports Supports						See Following Pages
C3.60	Piping							See Following Pages
C3.80	Pumps (See Table 2.3)							
C3.90	Pumps (See Table 2.3)							
C3.110	Valves							Valve items are included with piping.
C3.120	Valves							See Following Pages



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
<u>PIPING SUPPORTS</u>								
C-C								
C-E								
C3.40	Support Attach't	- Item is not applicable unless surface examination entry shown.						
C3.50	Support Components							
C3.60	Mechanical and Hydraulic							
	(C-F) <u>SINGLE STREAM</u>							
		<u>Line No. & ISI Dwg. No.</u>						
C3.50	Loop 4 Hot Leg to RHR	S1-927-14III	VT-3	8	1/4/85	---	---	
C3.60	Pps (10-21) (10-10)	[2.2-1]	(VT-4)					
C3.50	RHR Injection to	S1-985-12IIIP	VT-3	26	1/4/85	---	---	
C3.60	Hot Leg 1 & 2	[2.2-3]	(VT-4)					
	(10-19)	[2.2-4]						
	(10-18)	[2.2-5]						
	(10-15)							
	(10-31)	(S6-120-12)						
C3.40	Cent Chrg Pps	S1-1456-8	---	---	---	---	---	No supports in boundary
C3.50	Suct Header (8-14)	[2.2-7]						
C3.60								
C3.50	RHR Exch Bypass	S1-1663-8III	VT-3	4	5/15/85	---	---	
C3.60	Cross-Tie (10-2,3)	[2.2-8] [2.2-9]	(VT-4)					



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
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C-C PIPING SUPPORTS
C-E Cont'd

C3.40 Support Attach't Line No. &
C3.50 Support Components ISI Dwg. No.
C3.60 (C-F) Single Stream,
Cont'd

C3.40	Residual Ht Exchs	S1-1661-8III	PT	2	1/28/85	---	---	
C3.50	Bypass Hdr (10-4,13)	[2.2-10]	VT-3	13	1/5/85	---	---	
C3.60			(VT-4)					

C3.40	Cent Chrg Pps	S6-1454-6	PT	1	1/6/78	---	---	
C3.50	Disch Hdr. (8-18)	[2.2-15]	VT-3	5	1/4/85	---	---	
C3.60			(VT-4)					

(C-F) Multiple Stream

C3.50	Residual Ht Rem	S1-110-14IIIP	VT-3	10	1/7/85	---	---	
C3.60	Pp 2-1 Suction (10-10) (10-9)	[2.2-25]	(VT-4)					

C3.50	Residual Ht Rem	S1-111-14IIIP	VT-3	6	1/7/85	---	---	
C3.60	Pp 2-2 Suction (10-10) (10-8)	[2.2-6]	(VT-4)					

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
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CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING SUPPORTS</u>							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Components	ISI Dwg. No.						
C3.60	(C-F) <u>Multiple Stream</u>							
	Cont'd							
C3.50	Residual Ht Rem Pp	S1-112-8III	VT-3	5	1/7/85	---	---	
C3.60	2-1 Discharge (10-2)	[2.2-8]	(VT-4)					
	Residual Ht Rem Pp	S1-113-8III	VT-3	4	1/19/85	---	---	
	2-2 Discharge (10-3)	[2.2-9]	(VT-4)					
C3.50	Residual Ht Exchanger	S1-118-8III	VT-3	9	1/8/85	---	---	
C3.60	2-1 Outlet (10-5,16)	[2.2-26]	(VT-4)					
	Residual Ht Exchanger	S1-119-8III	VT-3	11	1/9/85	---	---	
	2-2 Outlet (10-12,6)	[2.2-27]	(VT-4)					



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)PAGE 21 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C · C-E	<u>PIPING SUPPORTS</u> Cont'd							
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) <u>Multiple Stream</u> Cont'd	Line No. & ISI DWG. No.						
C3.50 C3.60	RHR Exchs Outlet HX 2-1 Cross Tie (10-15)	S1-2458-8III [2.2-3]	VT-3 2 (VT-4)		1/5/85	---	---	
C3.50 C3.60	RHR Exchs Outlet HX 2-2 Cross Tie (10-14)	S1-1669-8III [2.2-14]	VT-3 4 (VT-4)		1/4/85	---	---	
C3.50 C3.60	SIS to RCS Hot Leg Loop 1 (10-19,31)	S6-2575-8 [2.2-5]	VT-3 2 (VT-4)		1/3/85	---	---	
C3.50 C3.60	SIS to RCS Hot Leg Loop 2 (10-19,31)	S6-2576-8 [2.2-5]	VT-3 3 (VT-4)		1/3/85	---	---	



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
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CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
C-C	PIPING SUPPORTS							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) Multiple Stream							
	Cont'd							
C3.50	Cent Chrg Pmp Suc	S6-42-6	VT-3	4	1/16/85	---	---	
C3.60	Pmp 2-1 (8-13)	[2.2-35]	(VT-4)					
C3.50	Cent Chrg Pump Suct	S2-43-6	VT-3	3	1/16/85	---	---	
C3.60	Pmp 2-2 (8-14)	[2.2-7]	(VT-4)					
C3.50	RWST to Res Ht Rem	S1-223-12IIIP	VT-3	1	1/19/85	---	---	
C3.60	Pps Suct (10-8,10)	[2.2-6]	(VT-4)					
C3.50	Res Ht Rem to Chrg	S2-734-8IIIP	VT-3	2	1/5/85	---	---	
C3.60	Pps Suct (10-5)	[2.2-2]	(VT-4)					
C3.50	RHR to Chrg Pps	S1-1971-8III	VT-3	5	1/21/85	---	---	
C3.60	Suct (10-5)	[2.2-2]	(VT-4)					
C3.50	RHR to SIS Pp 2-2 and	S1-735-8III	VT-3	5	1/4/85	---	---	
C3.60	Cont Spray (10-10,11)	[2.2-11]	(VT-4)					

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 23 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING SUPPORTS</u>							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) <u>Single Stream</u>							
C3.50	RHR to Safety Injec-	S1-1984-8III	VT-3	4	1/9/85	---	---	
C3.60	tion Pmp 2-2 (9-1,5)	[2.2-12]	(VT-4)					
C3.50	Safety Inj Pumps	S2-1986-8	VT-3	3	1/22/85	---	---	
C3.60	Suction Hdr (9-1,4)	[2.2-13]	(VT-4)					
C3.40	Residual Heat Rem to	S1-2212-8			---	---	---	No Supports in Boundary
C3.50	RWST (10-14)	[2.2-14]						
C3.60								
C3.50	Charging Pumps Disch	S6-1973-6	VT-3	1	1/3/85	---	---	
C3.60	Emerg (9-37,8-18)	[2.2-15]	(VT-4)					
C3.50	Boron Injection Tank	S6-2032-6III	VT-3	4	1/7/85	---	---	
C3.60	Inlet (9-17,8-18)	[2.2-15]	(VT-4)					



PGandE

DIABLO CANYON POWER PLANT - UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 24 OF 30

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
C-C	<u>PIPING SUPPORTS</u>							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) <u>Single Stream</u>							
	Cont'd							
C3.50	X-Tie Chg Pp & SI Pp	S2-4296-6	VT-3	2	1/22/85	---	---	
C3.60	Suction (10-5)	[2.2-2]	(VT-4)					
C3.50	RHR to Safety Injec-	S2-6	VT-3	1	1/21/85	---	---	
C3.60	tion Pmp 2-1	[2.2-16]	(VT-4)					
	(9-2,6)							
	(C-G) <u>Multiple Stream</u>							
C3.40	Steam Gen Steam	K15-228-28V	MT	2	1/13/85	---	---	
C3.50	Outlet 2-1 (501013)	[2.2-17]	VT-3	6	1/3/85	---	---	
C3.60		Lead 1	(VT-4)					
C3.40	Steam Gen Steam	K15-227-28V	MT	2	1/13/85	---	---	
C3.50	Outlet 2-2 (501013)	[2.2-18]	VT-3	7	1/3/85	---	---	
C3.60		Lead 2	(VT-4)					



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 25 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING SUPPORTS</u>							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) <u>Multiple Stream</u>							
	Cont'd							
C3.40	Steam Gen Steam	K15-226-28V	MT	2	1/13/85	---	---	
C3.50	Outlet 2-3 (501015)	[2.2-19]	VT-3	6	1/3/85	---	---	
C3.60		Lead 3	(VT-4)					
C3.40	Steam Gen Steam	K15-225-28V	MT	1	1/13/85	---	---	
C3.50	Outlet 2-4 (501016)	[2.2-20]	VT-3	6	1/19/85	---	---	
C3.60		Lead 4	(VT-4)					
C3.50	Main Stm Relief Vlv.	K15-1065-24V	VT-3	2	1/5/85	---	---	
C3.60	Hdr. 2-3 (501015)	Lead 3	(VT-4)					
		[2.2-19]						
C3.50	Main Stm Relief Vlv.	K15-1066-24V	VT-3	5	1/5/85	---	---	
C3.60	Hdr. 2-4 (501016)	Lead 4	(VT-4)					
		[2.2-20]						

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 26 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	PIPING SUPPORTS							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) Multiple Stream							
	Cont'd							
C3.40	Stm Gen Feed Wtr	K16-554-16V	MT	1	1/25/85	---	---	
C3.50	Supply Gen 2-1	Lead 1	VT-3	6	1/7/85	---	---	
C3.60	(501023)	[2.2-21]	(VT-4)					
C3.40	Stm Gen Feed Wtr	K16-555-16V	MT	1	1/25/85	---	---	
C3.50	Supply Gen 2-2	Lead 2	VT-3	9	1/7/85	---	---	
C3.60	(501023)	[2.2-22]	(VT-4)					
	(03-24)							
C3.40	Stm Gen Feed Wtr	K16-557-16V	MT	2	6/28/85	---	---	
C3.50	Supply Gen 2-3	Lead 3	VT-3	9	1/21/85	---	---	
C3.60	(501023)	[2.2-23]	(VT-4)					
C3.40	Stm Gen Feed Wtr	K16-556-16V	MT	1	8/27/83	---	---	
C3.50	Supply Gen 2-4	Lead 4	VT-3	8	1/22/85	---	---	
C3.60	(501023)	[2.2-24]	(VT-4)					

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 27 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	PIPING SUPPORTS							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) Multiple Stream							
	Cont'd							
C3.50	Cont Sump to RHR Pps	S1-512-14III	VT-3	4	1/4/85	---	---	
C3.60	Pmp 2-1 Suct (10-9,10)	[2.2-15]	(VT-4)					
C3.50	Cont Sump to RHR Pps	S1-513-14III	VT-3	5	1/4/85	---	---	
C3.60	Pmp 2-2 Suct (10-10,8)	[2.2-6]	(VT-4)					
C3.50	Charg Pps Suction	S2-1987-8	VT-3	1	1/5/85	---	---	
C3.60	From RWST Vlv. A (09-3)	[2.2-28]	(VT-4)					
C3.50	Charge Pps Suction	S2-1988-8	VT-3	1	7/18/85	---	---	
C3.60	From RWST Vlv. B (09-3)	[2.2-28]	(VT-4)					



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 28 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING SUPPORTS</u>							
C-E	<u>Cont'd</u>							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) <u>Multiple Stream</u>							
	<u>Cont'd</u>							
C3.50	RHR Sup to Spray	S1-279-8IIIP	VT-3	12	1/4/85	---	---	
C3.60	Hdrs 1 & 3 (10-17)	[2.2-29]	(VT-4)			---	---	
C3.50	RHR Sup to Spray	S1-280-8IIIP	VT-3	5	1/14/85	---	---	
C3.60	Hdrs 2 & 4 (10-10,11)	[2.2-11]	(VT-4)					
C3.40	RHR Pp Inj Cold Leg	S6-508-8III	PT	2	6/19/79	---	---	
C3.50	Pp 2-1 (9-23)	[2.2-30]	VT-3	26	1/14/85	---	---	
C3.60	(9-24)	[2.2-31]	(VT-4)					
	(9-25)	[2.2-32]						
	(10-16)							
C3.40	RHR Pp Inj Cold Leg	S6-509-8III	PT	1	1/28/82	---	---	
C3.50	Pp 2-2 (9-21)	[2.2-33]	VT-3	9	1/3/85	---	---	
C3.60	(10-2)		(VT-4)					

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 29 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	PIPING SUPPORTS							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) Multiple Stream							
	Cont'd							
C3.50	RHR Pp 1-1 Inj Cold	S6-3844-6III	VT-3	7	4/3/85	---	---	
C3.60	Leg Loop 1 (09-22)	[2.2-34]	(VT-4)					
C3.50	RHR Pp 1-1 Inj Cold	S6-3845-6III	VT-3	7	1/15/85	---	---	
C3.60	Leg Loop 2 (09-22)	[2.2-34]	(VT-4)					
C3.50	RHR Pp 1-1 Inj Cold	S6-3846-6III	VT-3	9	1/10/85	---	---	
C3.60	Leg Loop 3 (9-21,10-12)	[2.2-33]	(VT-4)					
C3.50	RHR Pp 1-1 Inj Cold	S6-3847-6III	VT-3	2	1/19/85	---	---	
C3.60	Leg Loop 4 (9-21,10-12)	[2.2-33]	(VT-4)					



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)
PAGE 30 OF 30

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C	<u>PIPING SUPPORTS</u>							
C-E	Cont'd							
C3.40	Support Attach't	Line No. &						
C3.50	Support Component	ISI DWG. No.						
C3.60	(C-F) <u>Multiple Stream</u>							
	Cont'd							
C3.50	Safety Inj Pump	S2-1982-6	VT-3	3	1/3/85	---	---	
C3.60	Suction Pump 2-1 (9-2,6)	[2.2-16]	(VT-4)					
C3.50	Safety Inj Pump	S2-1983-6	VT-3	4	1/4/85	---	---	
C3.60	Suction Pump 2-2 (9-1,5)	[2.2-12]	(VT-4)					

END OF ITEM C3.40 AND C3.50



D.3. Pumps

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PUMPS (RHR PUMPS) (2.3) (C-C,D&G)
PAGE: 1 OF 5

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	Table IWC-2500-1 Sub-Item Out of Sequence Intentionally (Each Pump is Described Completely Before the Next Pump is Described							
	Residual Heat Removal Pumps	DWG. REF DC-663217-26 [2.3-1]						S/N 2-1 037049 S/N 2-2 A69-35
C-G	Pressure Retaining Welds		---	---	---	---	---	Items not Applicable
C6.10	Pump Casing Welds		---	---	---	---	---	Items not Applicable
C-D	Pressure Retaining Bolting							
C4.30	Bolting > 2 In.Dia.		---	---	---	---	---	Item Not Applicable
C-C	INTEGRALLY WELDED SUPPORTS							
C3.70	Integrally Welded Attachments (To Pressure Boundary)		---	---	---	---	---	Item Not Applicable
C3.80	SUPPORT COMPONENTS							
	Support Components	Support Plates						
	RHR Pump 2-1	Plate 2-1	VT-3	1	2/1/85	---	---	The RHR Pumps Are Resting On A Plate
	RHR Pump 2-2	Plate 2-2	VT-3	1	2/1/85	---	---	Imbedded In The Deck

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PUMPS (RHR & SI PUMPS)(2.3)
PAGE: 2 OF 5 (C-C,D,E&G)

CATEGORY		GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
ITEM	COMPONENT OR SYSTEM							
	<u>RHR PUMPS</u> Cont'd							
C-E	<u>Support Components</u> Cont'd							
C3.90	Mechanical and Hydraulic Snubbers		---	---	---	---	---	Item Not Applicable
	<u>Safety Injection</u> <u>Pumps</u>	DWG. REF. [2.3-2]						(Ser. No. 45484)
C-G	<u>Pressure Retaining</u> <u>Welds</u>							
C6.10	Pump Casing Welds		---	---	---	---	---	Items Not Applicable
C-D	<u>Pressure Retaining</u> <u>Bolting</u>							
C4.30	Bolting > 2" Dia.							
	SI Pump 2-1	Casing Bolts	UT	8	5/20/85	---	---	
C-C	<u>Integrally Welded</u> <u>Support Attachments</u> (To Pressure Boundary)							
C3.70	Integrally welded supports		---	---	---	---	---	Items Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2ITEM: PUMPS (SI & CC PUMPS) (2.3) (C-E&G)
PAGE: 3 OF 5

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E	<u>S.I. PUMPS - Cont'd</u> <u>SUPPORT COMPONENTS</u>	Support Base						
C3.80	Support Components							
	SI Pump 2-1	Base 2-1	VT-3	1	6/7/85	---	---	The SI pumps are restin
	SI Pump 2-2	Base 2-2	VT-3	1	6/7/85	---	---	on concrete foundations
C3.90	Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable
C-G	<u>Centrifugal Charging Pumps</u> <u>Pressure Retaining Welds</u>	DWG. REF DC-663210-116 [2.3-3]						Dresser Pacific Pumps
C6.10	Pump Casing Welds							
	Cent'l Pmp 2-1 (Ser. No. 45611)	Branch Weld to *RT Upper Case		1	12/4/70	---	---	Suction Side Six Inch 150# Flange Exam. Req'd on only one pump
C6.10	Cent'l Pmp 2-1 or 2-2	<u>Machined Weld</u> Item - 17	*RT	1	12/4/70	---	---	*Volumetric examination required by Code at the time of fabricatio and examination



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PUMPS (SI & CC PUMPS) (2.3)
PAGE: 4 OF 5 (C-C,D&E)

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-D	<u>CENT. CHARG. PUMP</u> - Cont'd							
C4.30	<u>Pressure Retaining Bolting</u> Bolting Larger than 2 Inch Dia.	[2.2-3]	---	---	---	---	---	Items Not Applicable
C-C C3.70	<u>Integrally Welded Support Attachments</u> (To Pressure Boundary)							
	Integrally Welded Supports Cent'l Pmp 2-1	Weld A-D	PT	4	2/11/85	---	---	
	Cent'l Pmp 2-2	Weld A-D	PT	4	2/11/85	---	---	
C-E	<u>SUPPORT COMPONENTS</u>							
C3.80	Support Components	Support Base						
	Cent'l Pmp 2-1	Base 1-1	VT-3	1	6/6/85	---	---	The Cent'l Pumps are resting on concrete foundations
	Cent'l Pmp 2-2	Base 1-2	VT-3	1	6/7/85	---	---	
C3.90	Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable

PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: PUMPS (RECIP'G CHARG) (2.3)
PAGE: 5 OF 5 (C-C,D,E&G)

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	<u>Reciprocating Charging Pump</u>	DWG. REF DC-663210-143 [2.3-4]						Union Pump (Ser. No. 274174)
C-G	<u>Pressure Retaining Welds</u>							
C6.10	Pump Casing Welds		---	---	---	---	---	Items Not Applicable
C-D	<u>Pressure Retaining Bolting</u>							
C4.30	Bolting Larger than 2" Dia.		---	---	---	---	--	Items Not Applicable
C-C	<u>Integrally Welded Support Attachments</u> (To Pressure Boundary)							
C3.70	Integrally Welded Supports		---	---	---	---	---	Items Not Applicable
C-E	<u>SUPPORT COMPONENTS</u>							
C3.80	Support Components Recip'r'g Pmp 2-3 Ser.No. 274174	Support Base 2-3	VT-3	1	1/27/85	---	---	The Recip'g Pmp is resting on concrete foundation,
C3.90	Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Applicable



D.4. Valves



PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 2

ITEM: VALVES (C-C,D,E&G) (2.4)
PAGE: 1 OF 1

CATEGORY

ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	Table IWC-2500-1 Sub Item Out of Sequence Intentionally							
C-G C6.20	<u>Pressure Retaining Welds</u> Valve Body Welds		---	---	---	---	---	Items Not Applicable
C-D	<u>Pressure Retaining Bolting</u>							
C4.40	Bolting Larger than 2-Inch Dia.		---	---	---	---	---	Items Not Applicable
C-C	<u>Integrally Welded Support Attachments</u> (To Pressure Boundary)							
C3.100	Integrally Welded Supports		---	---	---	---	---	C3.100,C3.110 and C3.120 Code Items are Summarized under Table 2.2 and included with their respective Piping Systems under Code C3.40,C3.50, & C3.60.
C-E C3.110	<u>Support Components</u> Component Supports		---	---	---	---	---	
C3.120	Support Components Mechanical and Hydraulic Snubbers		---	---	---	---	---	Items Not Available

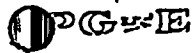


E. RELIEF FROM CODE REQUIREMENTS



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PACIFIC GAS AND ELECTRIC COMPANY



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ATTORNEYS

John F. Stolz, Chief
Light Water Reactors Branch No. 1
Division of Project Management
US Nuclear Regulatory Commission
Washington, DC 20555

Re: Docket No. 50-275-OL
Docket No. 50-323-OL
Diablo Canyon Units 1 & 2.

Dear Mr. Stolz:

Your letter dated May 23, 1977 requested that we provide our plan for complying with §50.55a(g) of 10 CFR 50 for Units 1 and 2.

Since separate Technical Specifications may be issued for Units 1 and 2, it is difficult to provide a response for both units now. We have discussed this with NRC Region V Staff (P. Johnson) and agree that the pump and valve testing programs should be the same for both units. We intend to include in the Unit 2 Technical Specifications pump and valve testing requirements identical to those for Unit 1. The Unit 2 preservice examination is not yet complete, and we believe that it would be beneficial to wait until it is complete and more recent code addenda are approved for use before submitting the first inservice inspection program for Unit 2.

The Unit 1 plan for compliance with §50.55a(g) is attached. The requirements which will apply to Unit 2 are indicated.

Very truly yours,

Philip A. Crane, Jr.

bcc w/enc.: CPUC Applications 49051 and 50028

bbcc w/enc.: Diablo Distribution

PAC/lb

Enc.

cc: Service List



PACIFIC GAS AND ELECTRIC COMPANY
COAST VALLEYS DIVISION
DIABLO CANYON POWER PLANT UNIT NO. 1
MAINTENANCE PROCEDURE M-105

TITLE: I.S.I. PROGRAM EXCEPTION LIST
(REQUEST FOR RELIEF FROM CODE REQUIREMENTS)

SCOPE

This procedure describes those plant equipment items that because of design, access, and various reasons, it is impractical to perform the total examination requirements as specified by ASME Code Section XI.

DISCUSSION

It is recognized that because the design of certain plant equipment items was completed prior to the establishment of examination requirements, some requirements are not practical to accomplish. It is a Code Section XI requirement that equipment so affected be identified, and this procedure accomplishes that requirement. The list is based on ASME Code Section XI, 1974 and Addenda through Summer 1975. Should future code issues become mandatory, this procedure will be updated to incorporate new, or delete existing, exemptions as applicable. Changes to this procedure shall also be made when:

1. New findings of impractical examinations are made during future plant experience.
2. Plant modifications alter existing circumstances.
3. New examination equipment and/or procedures become available and alter existing circumstances.

This exemption list is required to be submitted to the NRC for review 90 days prior to the start of each 40 month inspection period. Any changes made to this list must also be submitted to the NRC for review.

PROCEDURE

The attached listed items are exempted from the Code required examination for the reasons given for each. The item number and category are as given in Section XI.

REFERENCES

1. ASME Boiler & Pressure Vessel Code Section XI, 1974, and Addenda through Summer 1975.
2. 10CFR Part 50, Section 50.55a.
3. Nuclear Regulatory Commission letter dated May 23, 1977, with enclosure 1 and 2

PAGE 1 OF 5

REVISION 0

DATE 8/26/77

APPROVAL _____

PLANT SUPERINTENDENT

DATE _____



DIABLO CANYON POWER PLANT UNIT NO. 1
MAINTENANCE PROCEDURE M-105

TITLE: I.S.I. PROGRAM EXCEPTION LIST (REQUEST FOR RELIEF FROM CODE REQUIREMENTS)

4. Volume X of Diablo Canyon Unit 1 Inservice Inspection Program Interval 1.

DEASLO CANYON POWER PLANT UNIT NO. 1
MAINTENANCE PROCEDURE M-105

TITLE: I.S.I. PROGRAM EXCEPTION LIST (REQUEST FOR RELIEF FROM CODE REQUIREMENTS)

ATTACHMENT TO M-105

COMPONENT PART	ITEM NO.	CATEGORY	CODE CLASS	REQ'D INSP.	a) BASIS FOR EXEMPTION b) IN LIEU TESTING c) SCHEDULE
1. Reactor Vessel Bottom head meridional and circumferential seam welds (all) and closure head meridional and circumferential seam welds above cooling shroud.	B1.2	B-8	1	Vol.	a) Access blocked b) Visual/Hydro c) Once per interval. Also visual leak test after each refueling.
2. RC Pump casing welds.	B5.6	B-L-1	1	Vol.	a) Examination impractical. b) Visual/Hydro c) Once per interval. Also visual leak test after each refueling.
3. Integrally welded pipe supports	B4.9	B-K-1	1	Vol.	a) Volumetric not practical on fillet welds b) Surface c) Once per interval.
4. Circumferential pipe welds at pipe to fittings and pipe to valves.	B4.5 B4.1	B-J B-F	1	Vol.	a) Only pipe side of weld is practical to examine. b) Examine from one side c) Once per interval. ^{only}
5. Branch pipe connecting pipe to fitting and valve welds.	B4.6	B-J	1	Vol.	a) Some welds have access impaired by supports and restraints.
6. Pipe welds with restricted access.	B4.5 B4.6	B-J	1	Vol.	a) Some welds have access impaired by supports and restraints.
7. Pipe Welds with restricted access.	B4.7 B4.8	B-J	1	Surface	b) Examination of accessible areas. c) Once per interval.
8. SIS Pumps	N/A	N/A	2	IWC-5000 Hydro	a) Pump seals will not permit hydro. b) Visual during operation (IWA-5240) c) Once per each 1/3 of the 10 yr. interval.

ATTACHMENT TO M-105

COMPONENT PART	ITEM NO.	CATEGORY	CODE CLASS	REQ'D INSP.	a) BASIS FOR EXEMPTION b) IN LIEU TESTING c) SCHEDULE
9. Residual Heat Removal Heat Exchanger	C1.1 C1.2	C-A C-B	2	Vol.	a) Surface configuration of welds prevents use of U.T. method. b) Surface & Visual c) Once per interval.
10. Steam Generator 1-4, Head/Shell	C1.1	C-A	2	Vol.	a) Accessibility prevents required inspection pattern. b) Special locations. c) Once per interval.
11. Piping circumferential butt welds with restricted access.	C2.1	C-G	2	Vol.	a) Access to some welds is limited or prevented by supports, restraints and penetration sleeves. b) Visual/Hydro c) Once per interval.
12. Boric Acid transfer piping between storage tanks and pumps	--	IWD 5000	3	Hydro	a) Impractical to hydro system. b) Visual leak check during normal system operation. (IWA-5240) c) Once per each 1/3 of the 10 year interval.
13. Component Cooling Water system	--	IWD 5000	3	Hydro	a) Impractical to hydro system. b-1) Visual leak test during system operation. (IWA-5240) b-2) Analysis of chemistry. c-1) Once per each 1/3 of the 10 yr. interval. c-2) Once per week.

ATTACHMENT TO M-105

COMPONENT PART	ITEM NO.	CATEGORY	CODE CLASS	REQ'D INSP.	a) BASIS FOR EXEMPTION b) IN LIEU TESTING c) SCHEDULE
14. Makeup Water System	--	IWD 5000	3	Hydro	a) Impractical to hydro system. b) Visual leak test during system operation. (IWA-5240) c) Once per each 1/3 or the 10 year interval.
15. Spent Fuel Pit Pump and piping	--	IWD 5000	3	Hydro	a) Hydro impractical due to system design. b) Visual leak test. c) Once per year 1/3 of the 10 year interval.
16. Reactor Vessel Head Cladding	B1.13	B-L-1	1	Visual & Surface or Vol.	a) Surface examination not practical. b) Visual. c) Once each interval.
17. Reactor Vessel Closure Studs and Nuts when Removed	B1.8	B-G-1	1	Vol. & Surf.	a) Cleaning of threads for surface examination can damage the bolting. b) Volumetric. c) Once each interval.
18. Pressurizer Nozzle - to - Vessel inside Radiused Section	B2.2	B-D	1	Vol.	a) Technique not developed for examination. b) Hydro/Visual. c) Once each interval.
19. Steam Generator Primary side Nozzle to Vessel inside Radiused Section	B3.2	B-D	1	Vol	a) Technique not developed for examination. b) Hydro/Visual. c) Once each interval.
20. Seal Water Injection Filters	All		2	Vol. & Surf.	a) Plant design and high radiation will restrict access to these filters. b) Visual. c) Once each interval.



Safety Evaluation Report

related to the operation of
Diablo Canyon Nuclear Power Plant,
Units 1 and 2

Docket Nos. 50-275 and 50-323

Pacific Gas and Electric Company

Supplement No. 13

U.S. Nuclear Regulatory
Commission

Office of Nuclear Reactor Regulation

APRIL 1981





3. Inspection and Testing Requirements for Units 1 and 2

(a) Preservice Inspection Program for Units 1 and 2

We have reviewed the preservice inspection program for the Diablo Canyon Unit 1, and conclude that the program for the reactor coolant system will be conducted, to the extent practical, to comply with the requirements of Section XI of the ASME Boiler and Pressure Vessel Code, 1974 Edition, including Summer 1975 Addenda. Remote methods have been developed to facilitate the inspection of those areas not readily accessible to inspection personnel.

We also have reviewed and evaluated the request for relief from certain requirements of the ASME Boiler and Pressure Vessel Code, Section IX, set forth in Attachment No. 9 to the letter from Pacific Gas and Electric Company dated October 10, 1977. We concluded that certain preservice inspection requirements were impractical to conduct, and relief was required. We have reviewed the alternative methods of inspection proposed in lieu of the impractical requirements, and conclude that they will ensure an adequate margin of integrity. Pursuant to 10 CFR Section 50.55a(g)(6)(i), we have granted relief from the specific requirements that the applicant has identified to be impractical for the facility, giving due consideration to the burden placed upon the applicant if the code requirements were imposed. Moreover, we have determined that granting such relief will not endanger life or property or common defense and security of the public. Based on this review and our evaluation of the alternative inspection program submitted for Unit 1, we conclude that the inspection program meets the requirements of 10 CFR Part 50 paragraph 50.55a(g).

F. REPAIRS AND REPLACEMENTS



F. REPAIRS AND REPLACEMENTS

This section contains the completed ASME data report forms (NIS-2), for those repairs and replacements to the Class 1 and 2 components (and their supports) made under the rules of ASME Code Section XI. All other work is documented in accordance with applicable construction codes, except the following items which have specific Section XI Repair/Replacement Plans:

1. Regenerative Heat Exchanger Support Seismic Modification (July 18, 1978)
2. General Program for Arc Strike Removal (October 16, 1978).
3. General Program for Stanchion Weld Repair (October 25, 1978).
4. Reactor Coolant Loop Piping Surface Examination Indication Removal Program (July 16, 1979).
5. Reactor Vessel Head Vent Installation (January 23, 1981).

The above items predate and are not documented on form NIS-2, however the record packages have been reviewed by the Authorized Nuclear Inspector and are duly filed in the Records Management System.

The NIS-2 forms are arranged by system number, Repair Organization (PG&E, Bechtel), and whether repair or replacement.



F.1. ASME Code Data Reports NIS-2

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears in RPMM NO. Col.
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
(Address)
5. (a) Applicable Construction Code See Below Code Stamp 19 Edition 77 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.	RPM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Valve-379	Borg Warner	--	N/A	86-007	571	Unkn.	Repaired	Yes ASME III
② Valve-377	Borg Warner	--	N/A	86-005	569	Unkn.	Repaired	Yes ASME III

7. Description of Work ① ② Build up steam cut, machine.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure As Req. Test Temp. As Req.
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry, PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designer) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs) or Replacement(s)

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

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

As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
(Name) (Address) Repair Organization P.O. No., Job No., etc.
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code See Below 19 Code Standard Column Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

	Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
①	Valve-377	Borg Warner	--	N/A	36-005	569	Unkn.	Replacement	Yes ASME III
②	Valve-FCV 441	Anchor Darling	--	N/A	36-013	556	Unkn.	Replacement	No ANSI B16.5'71

7. Description of Work ①② Replaced retaining ring.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure As Req psi Test Temp. As Req F
9. Remarks
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2/86, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
(Repair or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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



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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
 2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 3. Work Performed by Owner Repair Plan No Appears In RPMM No. Col.
 (Name) Repair Organization P.O. No., Job No., etc.
 (Address)
 4. Identification of System Feedwater System (03) (Class 2)
 5. (a) Applicable Construction Code ASME III 19NF Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S 78 Addenda, Code Cases N/A
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 2049-13SL	Anchor Darling	207	N/A	86-08	557	Unkn.	Replaced	Yes ASME III
② 413-168SL	Anchor Darling	213	N/A	86-08	557	Unkn.	Replaced	Yes ASME III
③ 413-399SL	Anchor Darling	190	N/A	86-010	556	Unkn.	Replaced	Yes ASME III
④ 2049-4SL	Anchor Darling	120	N/A	86-010	556	Unkn.	Replaced	Yes ASME III
⑤ 2049-1SL	Anchor Darling	194	N/A	86-010	557	Unkn.	Replaced	Yes ASME III
⑥ 413-388SL	Anchor Darling	206	N/A	86-010	557	Unkn.	Replaced	Yes ASME III

Description of Work All - Replaced Snubbers.

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

9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry, PLANT MANAGER 6/2/86, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
 (Repair or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (Inspector) (State or Province, National Board)

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

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code ASME III 1980 Edition, S'82 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	No. RP-PT	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① ANX-5	Bechtel	1242.01.1	--	85-87	554	1985	Replacement	Yes ASME III (NPT)
② ANX-6	Bechtel	1242.02.2	--	85-88	555	1985	Replacement	Yes ASME III (NPT)
③ ANX-7	Bechtel	1242.02.3	--	85-89	557	1985	Replacement	Yes ASME III (NPT)
④ ANX-8	Bechtel	1242.02.4	--	85-90	556	1985	Replacement	Yes ASME III (NPT)

7. Description of Work ①②③④ Install new Sample Probe.
8. Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
Pressure 2250 psi Test Temp. 560 °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. K. Johnson, PLANT MANAGER 6/2/86, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the REPLACEMENTS described in this Report on 6/3, 1986
(Repair(s) or Replacement(s)

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

**FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED
NUCLEAR PIPING SUBASSEMBLIES***

As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Fabricated and certified by Dieterich Standard Corp., 5601 N. 71st St., Boulder, Colorado 80301
(Name and address of NPT Certificate Holder)
2. Fabricated for Pacific Gas & Electric Co., 77 Beale St., San Francisco, California 94106
(Name and address)
3. Location of installation Diablo Canyon Nuclear Plant, 8.5 miles NW of Avila Beach, CA 93424
(Name and address)
4. Identification 12142.02.1-4, .04.1-4 N/A SU-2976 N/A 1985
(Cert. Holder's serial no.) (CRN) (Drawing no.) (NPT Bd no.) (Year built)
5. ASME Code, Section III 1983 Summer 1984 1 N/A
(Edition) (Addenda date) (Class) (Code Case)
6. Shop hydrostatic test 2250 psi at Ambient Room Temp. °F (if performed)
7. Description of piping Sampling Probes and Mounting Assemblies 316 SS (piping sub-assemblies)
8. Certificate Holders Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this Report: N/A
9. Remarks N/A

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this Report are correct and that the fabrication of the described piping conforms to the rules for construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N 1728 Expires April 29, 1986
Date 10/9/85 Name Dieterich Standard Corporation Signed [Signature]
(NPT Certificate No.) (NPT Bd no.) (Inspector's name)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Colorado and employed by Commercial Union Insurance of Boston have inspected the component described in this Data Report on 10/9/85, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III.

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

Date 10/9/85 Signed [Signature] Commissions Colo. #29
(Authorized Inspector) (NPT Bd no.) (Inspector's name)

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

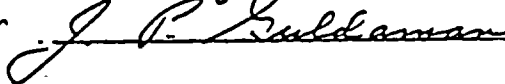
1. Dieterich Standard Corporation
5601 N. 71st Street
Boulder, Colorado 80301
2. Pacific Gas & Electric Co.
77 Beale Street
San Francisco, California 94106
3. Diablo Canyon Nuclear Plant
8.5 miles NW of Avila Beach, California 93424
4. 12142.02.1-4, .04.1-4 N/A SU-2976 N/A 1985
7. Probe SA 213
Insertion Disc SA 182
Packing Body SA 182
Yoke SA 182
Guide SA 182
1/2"-13 Stud SA 193
1/2"-13 Nut SA 194
Mounting Disc SA 182
Insertion Rod SA 193
Acme Nut SA 194
7/8" Stud SA 193
7/8" Nut SA 194
.035" Filler SFA 5.9
1/16" Filler SFA 5.9
3/32" Filler SFA 5.9
Tag Ring SA 213
Tip SA 182

Certificate Holder



Date 10/9/85

Authorized Inspector



Date 10/9/85

**FORM NPP-1 CERTIFICATE HOLDERS' DATA REPORT FOR FABRICATED
NUCLEAR PIPING SUBASSEMBLIES***

As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of 2

1. Fabricated and certified by Dieterich Standard Corp., 5601 N. 71st St., Boulder, Colorado 80301
(Name and address of NPT Certificate Holder)
2. Fabricated for Pacific Gas & Electric Co., 77 Beale St., San Francisco, California 94106
(Name and address)
3. Location of installation Diablo Canyon Nuclear Plant, 8.5 miles NW of Avila Beach, CA 93424
(Name and address)
4. Identification B7-R/Lot 8257A N/A SU-2976 N/A 1985
(Cert. Holders serial no.) (CRN) (Drawing no.) (Matl. Bd. no.) (Year built)
5. ASME Code, Section III 1983 Summer 1984 1 N/A
(Edition) (Addenda date) (Class) (Code Case)
6. Shop hydrostatic test N/A psi at - °F (if performed)
7. Description of piping 7/8" UNC Studs (4 each) SA-193
8. Certificate Holders Data Reports properly identified and signed by Commissioned Inspectors have been furnished for the following items of this Report: N/A
9. Remarks N/A

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this Report are correct and that the fabrication of the described piping conforms to the rules for construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N 1728 Expires April 29, 1986
Date 10/17/85 Name Dieterich Standard Corporation Signed [Signature]
(NPT Certificate Holder)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Colorado and employed by Commercial Union Insurance of Boston have inspected the component described in this Data Report on 10/12/85, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III.

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

Date 10/12/85 Signed [Signature] Commissions Colo. #29
(Authorized Inspector) (Matl. Bd. and endorsements, State & Prov. and N.B.I.)

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



1. Dieterich Standard Corporation
5601 N. 71st Street
Boulder, Colorado 80301
2. Pacific Gas & Electric Co.
77 Beale Street
San Francisco, California 94106
3. Diablo Canyon Nuclear Plant
8.5 miles NW of Avila Beach, California 93424
4. B7-R/Lot 8257A N/A SU-2976 N/A 1985

Certificate Holder

Michael J. Anderson

Date

10/17/85

Authorized Inspector

J. P. Suddaman

Date

10/17/85

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System Feedwater System (03) (Class 2)
5. (a) Applicable Construction Code See Below Code Stamp 1977 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements — 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	No. RP-PT	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 414-529R	Bechtel	--	--	85-096	554	85	Replacement	No ASME I '68
② 414-530R	Bechtel	--	--	85-097	555	85	Replacement	No ASME I '68
③ 414-531R	Bechtel	--	--	85-098	557	85	Replacement	No ASME I '68
④ 414-532R	Bechtel	--	--	85-099	556	85	Replacement	No ASME I '68
413-298V	Grinnel	--	--	86-001	572	Unkn.	Replacement	No ANSI B31.1 '67

7. Description of Work ①②③④⑤ Installed welded attachment.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
(repair or replacement)
Signed R. K. Johnson, PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 1986
(Repairs or Replacement(s))
and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 2
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Main Steam System (04) (Class 2)
5. (a) Applicable Construction Code See Below Code Stamp Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S 78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① S.G. Sec. Manway	① W	1164	68-92	85-99	2-1	1970	Repaired	Yes ASME III
② FCV-41	Schutte & K	N690554	N/A	85-104	228	Unkn.	Repaired	No Draft P&V
③ FCV-42	Schutte & K	N690555	N/A	85-105	227	Unkn.	Repaired	No Draft P&V
④ FCV-43	Schutte & K	N690556	N/A	85-106	226	Unkn.	Repaired	No Draft P&V
⑤ FCV-44	Schutte & K	N690557	N/A	85-107	225	Unkn.	Repaired	No Draft P&V
⑥ PCV-19	Copes Vulcan	--	N/A	86-028	1410	Unkn.	Repaired	No Draft P&V

7. Description of Work ① ⑦ Machine Gasket Surface ② ③ ④ ⑤ Seal Weld Drain Plug
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure As Required Test Temp As Required
7. (Cont.) ⑥ Build up steam cut, machine seating surface. ⑧ Machine Internals ⑨ ⑩ ⑪ ⑫ Machine

CERTIFICATE OF COMPLIANCE

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

Signed R. C. THORNBERRY PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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SHEET 2 OF 2

P. O. Box 56, Avila Beach, CA 93424

3. Work Performed By Owner

4. Identification of System Main Steam System (04) (Class 2)

11

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 2
 2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 3. Work Performed by Owner Repair Plan No Appears In RPMM No. Col.
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Main Steam System (04) (Class 2)
 5. (a) Applicable Construction Code See Below 19 Code Stamp Edition, Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S' 78 Addenda, Code Cases N/A
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 11-87SL Snubbers	PSA	2690	N/A	85-80	593	Unkn.	Replaced	Yes ASME III NF
② 413-255SL Snubbers	Anchor D	48 & 231	N/A	85-150	593	Unkn.	Replaced	Yes ASME III NF
③ Snubbers*	Anchor D	Now #98 128, 142	N/A	85-152	594	Unkn.	Replaced	Yes ASME III NF
④ 413-270SL Snubber	PSA	304	N/A	85-154	593	Unkn.	Replaced	No N/A
⑤ 413-255SL Snubber	Anchor D	649, 648	N/A	85-160, 1	593	Unkn.	Replaced	Yes ASME III NF
⑥ FCV-41	Schutte & Koerting	N690554	N/A	85-163	228	Unkn.	Replaced	No Draft P&V

7. Description of Work ① ② ④ ⑤ ⑧ ⑨ Replace Snubber ③ Replace * 413-286SL, 413-409SL,
 8. Tests Conducted: N/A Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 7. (Cont.) 413-540SL ⑥ Replace Plug
Pressure 2 psi Test Temp. °F

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 R. C. Thornberry PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
 (Repair or Replacement)
 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (Inspector) (State or Province, National Board)

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

SHEET 2 OF 2

P. O. Box 56, Avila Beach, CA 93424

4. Identification of System Main Steam System (04) (Class 2)

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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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 2
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System Main Steam System (04) (Class 2)
5. (a) Applicable Construction Code See Below, Code Stamp 1977, Edition, Column S'78 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Rep. rs or Replacements 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, or Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bo. No.	RP-PT	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hgr 2021-11R	Pullman Pwr.	--	N/A	85-32	228	Unkn.	Replace Shims	No ANSI B31.1
② Hgr 2023-11R	Pullman Pwr.	--	N/A	85-38	227	Unkn.	Replace Shims	No ANSI B31.1
③ Hgr 11-87SL	Pullman/PSA	--	N/A	85-55	593	Unkn.	Replacement	No ANSI B31.7
④ Hgr 7-121R	Pullman/PSA	--	N/A	85-56	1042, 1043	Unkn.	Replace Shims	No ASME I
⑤ Hgr 7-133	Pullman Pwr.	--	N/A	85-57	1042	Unkn.	Replace Shims	No ASME I
⑥ Hgr 413-544SL	PSA	429	N/A	85-82	593	Unkn.	Replaced	No

7. Description of Work ①②④⑤ Shim Gears ③ Redesign Hanger.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
9. Remarks ⑫ Replace Shims ⑥⑦⑧⑨⑩⑪ Replace Snubbers ⑬ Add drain and steam trap connection.
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. E. T. Ruby, PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 1986
(Repair(s) or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
R. K. Johnson (Inspector) (State or Province, National Board)

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



1. Owner Pacific Gas And Electric Corporation
77 Beale Street, San Francisco, CA 94106

DATE June 2, 1986

SHEET 2 OF 2

2. Plant Diablo Canyon Unit #2

P. O. Box 56, Avila Beach, CA 93424

3. Work Performed By Bechtel Power Corp.:

4. Identification of System Main Steam System (04) (Class 2)

[illegible]

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name)
(Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name)
(Address)
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Col.
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant System (07) (Class 1)
(Address)
5. (a) Applicable Construction Code See Below 19 Code Stamp Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① PCV-455B	Copes Vulcan	--	N/A	86-004	14	Unkn.	Repaired	No USAS B16.5'68
② RV-8010A	Crosby	--	N/A	85-168	729	Unkn	Repaired	No Draft P&V'68
③ Stem Gen 1-4 Boltting	W	1161-1164	68-89 to 68-92	85-031	Primary Manways	1970	Repaired	Yes ASME III

7. Description of Work ① Lapped Bonnet Seating Surface ② Lapped Disc. ③ Machined bolts
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure As Req'd Test Temp. A Req'd
9. Remarks to facilitate elongation tests.
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON (Address)
P.O. Box 56, Avila Beach, CA 93424 Unit #2
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
4. Identification of System Reactor Coolant System (07) (Class 1)
5. (a) Applicable Construction Code Draft P&V 1968 Edition, N/A Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S78 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.	RP-PT No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Reactor Coolant Pump 2-3 Support C	W	713	N/A	85-123	Support C	Unkn.	Repaired	No

7. Description of Work ① Weld repaired hold down Bolt Washer Plate On Support C.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Normal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and it is Repair conforms to Section XI of the ASME Code.
Signed R. C. Thornberry, PLANT MANAGER 6/2, 1986.
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs or Replacements)

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
 (Name) (Address)
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 (Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col. _____
 (Name) Repair Organization P.O. No., Job No., etc. _____
4. Identification of System Reactor Coolant System (07) (Class 1)
 (Address)
5. (a) Applicable Construction Code ANSI B31.7-1969 Edition 1970 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① RO-409	Owner	--	--	85-103	3801	Unkn.	Replacement	No
② RO-408	Owner	--	--	85-102	3800	Unkn.	Replacement	No
③ RO-407	Owner	--	--	85-101	3799	Unkn.	Replacement	No
④ RO-406	Owner	--	--	85-100	3798	Unkn.	Replacement	No
⑤ Thermal Shield	Combustion Engineering	CE68101	21359	85-032	Locking Cap	1972	Replacement	Yes ASME III
⑥ Manway Bolt	W	1161	68-89	85-040	Stm. Gen 2-1	1970	Replacement	Yes ASME III

7. Description of Work ①②③④ Replaced restricting orifice and bolting
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 2250 psi Test Temp. _____ °F
9. Remarks _____
7. (Cont) ⑤ Replaced locking cap on lower internal thermal shield ⑥ Replaced one bolt on Steam Generator 2-1 Primary manway cover (hot leg).

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
 (Repair or Replacement)

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (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



Owner Pacific Gas & Electric Corporation

Date June 2, 1986

77 Beale St. San Francisco, CA 94106

Sheet 1 of 2

2. Plant DIABLO CANYON

Unit # 2

P.O. Box 56, Avila Beach, CA 93424

3. Work Performed by Owner

Repair Plan No Appears In RPMM No. Col.

Repair Organization P.O. No., Job No., etc.

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

5. (a) Applicable Construction Code See Below, Code Stamp N/A, Edition N/A, 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.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 72-19SL	Anchor Darling	146	N/A	86-008	109	Unkn.	Replaced	Yes ASME III NF
② 70-27SL	Anchor Darling	159	N/A	86-008	16	Unkn.	Replaced	Yes ASME III NF
③ 72-20SL	Anchor Darling	189	N/A	86-008	109	Unkn.	Replaced	Yes ASME III NF
④ 70-31SL	PSA	340	N/A	85-033	1147	Unkn.	Replaced	No ANSI B31.7
⑤ 412-43SU	PSA	1537	N/A	85-034	24	Unkn.	Replaced	No ANSI B31.7
⑥ 70-30SL	PSA	937	N/A	85-035	3489	Unkn.	Replaced	No ANSI B31.7



Description of Work ①②③④⑤⑥⑦⑧⑨ Replaced Snubber.

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

9. Remarks _____

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. THORNBERRY PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
R. K. Johnson Inspection (State or Province National Board)

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



1. Owner Pacific Gas And Electric Corporation

DATE June 2, 1986

77 Beale Street, San Francisco, CA 94106

SHEET 2 OF 2

2. Plant Diablo Canyon Unit #2

P. O. Box 56, Avila Beach, CA 93424

3. Work Performed By Owner

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

[illegible]

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
4. Identification of System Chemical & Volume Control System (08) (Class 1)
5. (a) Applicable Construction Code ANSI B31.79-69 Edition 1970 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S78 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.	RP-PT No.	Other Identification line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hanger 564-63	Pullman	--	N/A	85-060	54,1479	Unkn.	Repaired	No

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

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry, PLANT MANAGER 6/2, 1986.
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the REPAIR described in this Report on 6/3, 1986

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 2
(Name) (Address)
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Chemical & Volume Control System (08) (Class 2) (Class1)*
(Address)
5. (a) Applicable Construction Code See Below 19 Code Stamp Edition Column Addenda, Code Cases _____
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases _____
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① RCP 2-1 2,3,4	Pullman	N/A	N/A	85-82	Seal Lines	Unkn.	Replace bolts	No ANSI B31.7
② Valve 8387B	Velan	N/A	N/A	85-109	1474	Unkn.	Replace valve	No USAS B16.5
③ Valve 810Q	Anchor	N/A	N/A	85-111	3791	Unkn.	Replace bolts	No USAS B16.5
④ Valve 847D	Grinnel	--	N/A	85-114	736	Unkn.	Replace bolts	No USAS B16.5
⑤ Valve 8387B	Velan	--	N/A	85-122	1474	1985	Replace plug	No USAS B16.5
⑥ FT 144 116, 143, 115	--	--	N/A	86-006	54, 55, 56, 57	--	Replace bolts	No ANSI B31.7

7. Description of Work ①③④ Replace Bolting ② Replace Valve With Plug ⑤ Replace Plug
(a) Tests Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
* 2 5 Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Address) (Manufacturer's Data Reports to be Attached)
7. Replace Heater and Bolts ⑥⑦⑧⑨⑩ Replace Bolts ⑪⑫ Replace Snubber.
(Cont. d)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
(Repairs or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

DATE June 2 , 1986

SHEET 2 OF 2

2. Plant Diablo Canyon Unit #2

P. O. Box 56, Avila Beach, CA 93424

3. Work Performed By Owner

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

[illegible]



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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
(Name) (Address)
4. Identification of System Chemical & Volume Control System (08) (Class 2)
(Address)
5. (a) Applicable Construction Code See Below Code Stamp 19 Edition, Column 77 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.	RP-PT No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① FT-113	Taylor	--	--	85-091	733	Unkn.	Replaced	No ANSI B31.7
② 78-99SL	PSA	--	--	85-042	55	Unkn.	Replaced	No ASME III

7. Description of Work ① Flow Element Replaced ② Replaced Snubber
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. K. Johnson, PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 1986
(Repair(s) or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
R. K. Johnson (Inspector) (State or Province, National Board)

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



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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 2)
(Address)
5. (a) Applicable Construction Code See Below 19 Code Stamp Edition, Column Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19 77, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Accumulator Tank 2-1	Delta Southern	41058-70-1	2688	85-143	Pen. G	Unkn.	Repaired	Yes ASME III
② Accumulator Tank 2-2	Delta Southern	41058-70-1	2688	86-023	Pen. D	Unkn.	Repaired	Yes ASME III
③ Spacer Pipepiece	M.W. Kellogg	--	N/A	85-087	1983	Unkn.	Repaired	No ANSI B31.7

7. Description of Work ① Penetration Coupling for fill line repaired ② Penetration (See
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐ Remarks.
Pressure psi Test Temp.
9. Remarks Coupling for sample line repaired ③ Oxide deposit removed from OD of pipe.
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs) or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
(Name) (Address) Repair Organization P.C. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 1)
(Address)
5. (a) Applicable Construction Code ASME III 19 NF Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Snubber 72-86SL	Pacific Scientific	New 29893	N/A	85-073	256	Unkn.	Replaced	Yes ASME III
② 71-46SL	Anchor Darling	122	N/A	86-008	508	Unkn.	Replaced	Yes ASME III
③ 413-11SL	Pacific Scientific	282	N/A	85-59	282	Unkn.	Replaced	No ANSI B31.7'69
④ 73-2SL	Pacific Scientific	367	N/A	85-58	3846	Unkn.	Replaced	No ANSI B31.7'69

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

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
(Repairs or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
(Name) Repair Organization P.C. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 2) (Class 1)
5. (a) Applicable Construction Code ANSI B31.7-69 Edition 1970 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① FE-924	--	--	N/A	85-131	1991	Unkn.	Rpl. Bolts	No (Class 1)
② SI Pump 2-1 Flange	Pullman	--	N/A	85-119	1982	Unkn.	Rpl. Bolts	No
③ SI Pump 2-2 Flange	Pullman	--	N/A	85-120	1983	Unkn.	Rpl. Bolts	No
④ SI Pump 2-1 Strainer	Pullman	--	N/A	85-086	1982	Unkn.	Replacement	No
⑤ SI Pump 2-2 Strainer	Pullman	--	N/A	85-088	1983	Unkn.	Replacement	No
⑥ Accumulator Tank 2-3	Delta Southern	D41059-70	2688	85-144	Penetration G	Unkn.	Replacement	Yes *ASME III

7. Description of Work ①②③ Replace Bolting ④⑤ Replace Start-Up Strainer with Spacer
8. Tests Conducted: ☒ Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐ Spoolpiece.
Pressure As Req. Test Temp As Req.
9. Remarks ① FE 924 has slight leak - accepted for operation ARA0017658 initiated to track.
⑥ *ASME III is applicable construction code. Coupling for fill line penetration replaced.
Tank Hydro tested at 780 PSI.

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 R. C. Thorneberry PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
 2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Safety Injection System (09) (Class 2)
 5. (a) Applicable Construction Code ASME III 19 NF Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements -- 1977, S'78 Addenda, Code Cases N/A
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Snubber 72-84SL	Anchor Darling	174	N/A	86-008	255	Unkn.	Replaced	Yes ASME III
② 412-22SL	Anchor Darling	154	N/A	86-008	254	Unkn.	Replaced	Yes ASME III
③ 70-5SL	Anchor Darling	40	N/A	86-008	254	Unkn.	Replaced	Yes ASME III
④ 6-50SL	Anchor Darling	158	N/A	86-008	238	Unkn.	Replaced	Yes ASME III
⑤ 71-11SL	Pacific Scientific	359	N/A	85-42	3844	Unkn.	Replaced	No ANSI B31.7 '69
⑥ 78-64SL	Anchor Darling	132	N/A	85-62	3856	Unkn.	Replaced	Yes ASME III

Description of Work All Replaced Snubber.

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

9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (Inspector) (State or Province, National Board)

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

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

1. Owner Pacific Gas & Electric Corporation Date June 2 , 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
4. Identification of System Safety Injection System (09) (Class 2) (Class 1)*
5. (a) Applicable Construction Code See Below Code Class 1 Edition 1977 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	No. RP-PT	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Hgr 92-40R	Pullman	--	N/A	85-29	3844	Unkn.	Replaced	No ANSI B31.7*
② Hgr 92-48R				85-27	508			
③ Hgr 47-119R				85-30	118			
④ Hgr 85N-33R				85-44	221			
⑤ Hgr 5-4R	✓	✓	✓	85-53	256	✓	✓	✓

7. Description of Work ①②③ Redesign Hanger ④⑤ Replace Shims
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure 1 psi Test Temp. 1 °F
9. Remarks ① is Class 1.
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
Signed R. K. Johnson, PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 1986
(Repairs or Replacement(s))
and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
R. K. Johnson (Inspector) (State or Province, National Board)

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. X 11 in., 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 & Electric Corporation Date June 12, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
(Name) (Address)
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
(Name) (Address)
3. Work Performed by Owner Repair Plan No. Appears in RPMM No. Column
(Name) Repair Organization P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal System (10) (Class 2)
(Address)
5. (a) Applicable Construction Code ASME III 19 68 Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 19____, ____ Addenda, Code Cases _____
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① RHR Pump 2-2	Ingersoll Rand	03750	N/A	84-014	--	Unkn.	Repaired	Yes ASME III

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

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry ; PLANT MANAGER 6/2, 19 86
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Repair described in this Report on 6/3, 1986
(Repairs or Replacement(s))

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
(Inspector) (State or Province, National Board)

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



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

As Required by the Provisions of ASME Code Section XI

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 2
 2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
 Repair Organization P.O. No., Job No., etc.
 4. Identification of System Residual Heat Removal System (10) (Class 2)
 5. (a) Applicable Construction Code ANSI B31.7-69 Edition 1970 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S-78 Addenda, Code Cases N/A
 6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① HCV-638 Containment		--	N/A	85-097	118	Unkn.	Rpl. Bolts	No
② RHR Pump 2-1 Suction Spool	Pullman	--	N/A	85-090	110	Unkn.	Rpl. Bolts	No
③ RHR Pump 2-2 Suction Spool	Pullman	--	N/A	85-091	111	Unkn.	Rpl. Bolts	No
④ RHR Pump 2-2	Ingersoll Rand	--	N/A	84-32	--	Unkn.	Replaced	Yes ASME III '68

7. Description of Work ①②③⑤ All are bolting replacements. ④ Replaced pump & motor.
 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure As Required Test Temp. As Required
 9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry, PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
 (Repair or Replacement)

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (Inspector) (State or Province, National Board)

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1. Owner Pacific Gas And Electric Corporation

DATE June 2, 1986

77 Beale Street, San Francisco, CA 94106

SHEET 2 OF 2

2. Plant Diablo Canyon Unit #2

P. O. Box 56, Avila Beach, CA 93424

3. Work Performed By Owner

4. Identification of System Residual Heat Removal System (10) (Class 2)

[illegible]

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

1. Owner Pacific Gas & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
 2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
 3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
 Repair Organization P.C. No., Job No., etc.
 4. Identification of System Residual Heat Removal System (10) (Class 2) (Class 1)*
 5. (a) Applicable Construction Code ASME III 19 NF Edition N/A Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1972, 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.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Snubber 72-23SL	Anchor Darling	156	N/A	86-008	1665	Unkn.	Replaced	Yes ASME III*
② 74-33SL	Pacific Scientific	118	N/A	85-074	119	Unkn.	Replaced	Yes ASME III
③ 70-55SL	Anchor Darling	179	N/A	86-008	2575	Unkn.	Replaced	Yes ASME III
④ 72-77SL	Anchor Darling	204	N/A	86-008	927	Unkn.	Replaced	Yes ASME III
⑤ 78-119SL	PSA	905	N/A	85-056	1662	Unkn.	Replaced	No ANSI B31.7 '6

- Description of Work ①②③④⑤ Replaced Snubber.
 Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
 Pressure _____ psi Test Temp. _____ °F
 9. Remarks ** Indicates Class 1.
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed R. C. Thornberry, PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86

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

Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
 (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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON Unit #2
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Bechtel Power Corp. Job No. 16293
P.O. Box 670, Avila Beach, CA Repair Organization P.O. No., Job No., etc.
4. Identification of System Residual Heat Removal System (10) (Class 2)
5. (a) Applicable Construction Code B31.7 1969 Edition 1970 Addenda, Code Cases N/A
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977, S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RP-PT No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① 72-22SL	Pullman	--	N/A	85-046	1665	Unkn.	Replacement	No

7. Description of Work ① Modify Mounting Brackets for Snubber
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☐
Pressure _____ psi Test Temp. _____ °F
9. Remarks _____
(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Signed RCT [Signature], PLANT MANAGER 6/2, 1986
(Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 1986
(Repair(s) or Replacement(s))

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Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
R. K. Johnson (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 & Electric Corporation Date June 2, 1986
77 Beale St. San Francisco, CA 94106 Sheet 1 of 1
2. Plant DIABLO CANYON Unit # 2
P.O. Box 56, Avila Beach, CA 93424
3. Work Performed by Owner Repair Plan No. Appears In RPMM No. Col.
 Repair Organization P.O. No., Job No., etc.
4. Identification of System Containment Spray System (12) (Class 2)
5. (a) Applicable Construction Code ANSI B31.79 69 Edition 1970 Addenda, Code Cases N/A
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements - 1977 S'78 Addenda, Code Cases N/A
6. Identification of Components Repaired or Replaced, and Replacement Components

Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
① Spray Add. Tank Flange	Pullman	--	N/A	85-142	3153	Unkn.	Replace Bolts	No

7. Description of Work ① Replacement of Bolting.
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☐
 Pressure 7.5 psi Test Temp. AS Rec'd
9. Remarks _____
 (Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and this Replacement conforms to Section XI of the ASME Code.
 Signed R. C. Thornberry PLANT MANAGER 6/2, 19 86
 (Owner or Owner's Designee) Title (Date)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of California, employed by HSB I & I CO. of Hartford, CT have inspected the Replacement described in this Report on 6/3, 19 86
 (Repair or Replacement(s))
 and state that to the best of my knowledge and belief, this repair or replacement has been constructed in accordance with Section XI of the ASME Code. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the repair or replacement described in this Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
 Date 6/3/86 R. K. Johnson Commissions CA 1419, NB 8694
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