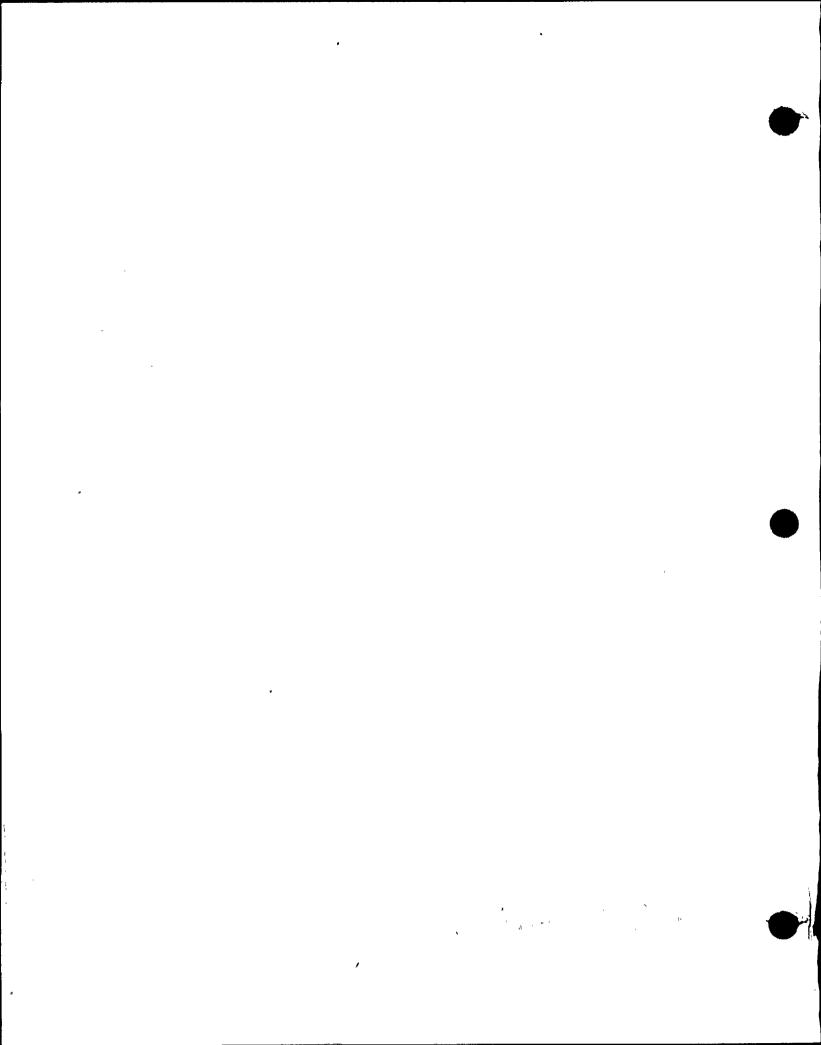
# DIABLO CANYON POWER PLANT UNIT #2 PRESERVICE INSPECTION SUMMARY REPORT



#### 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:

Michael E. Jeger M. R. LEGER ISI/NOE Examiner

Reviewed by:

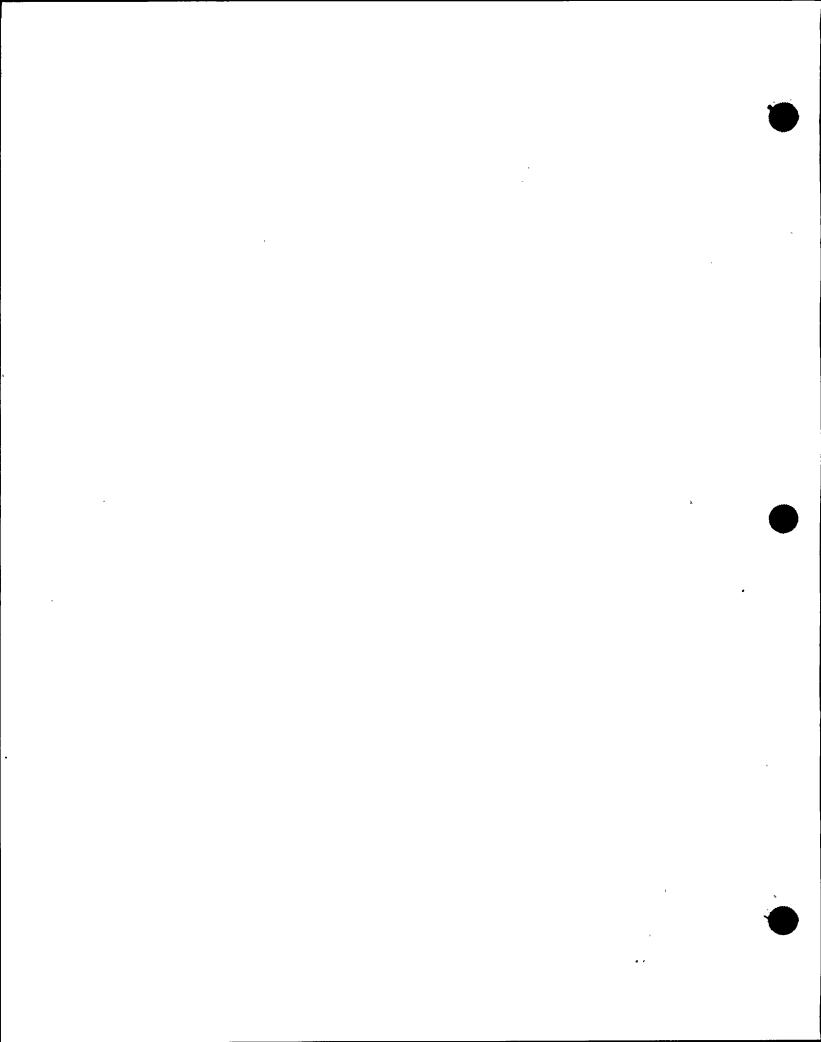
O. K. FRANKS Supervisor of ISI/N

Approved:

R. C. THORNBERRY DCPP Plent Manager

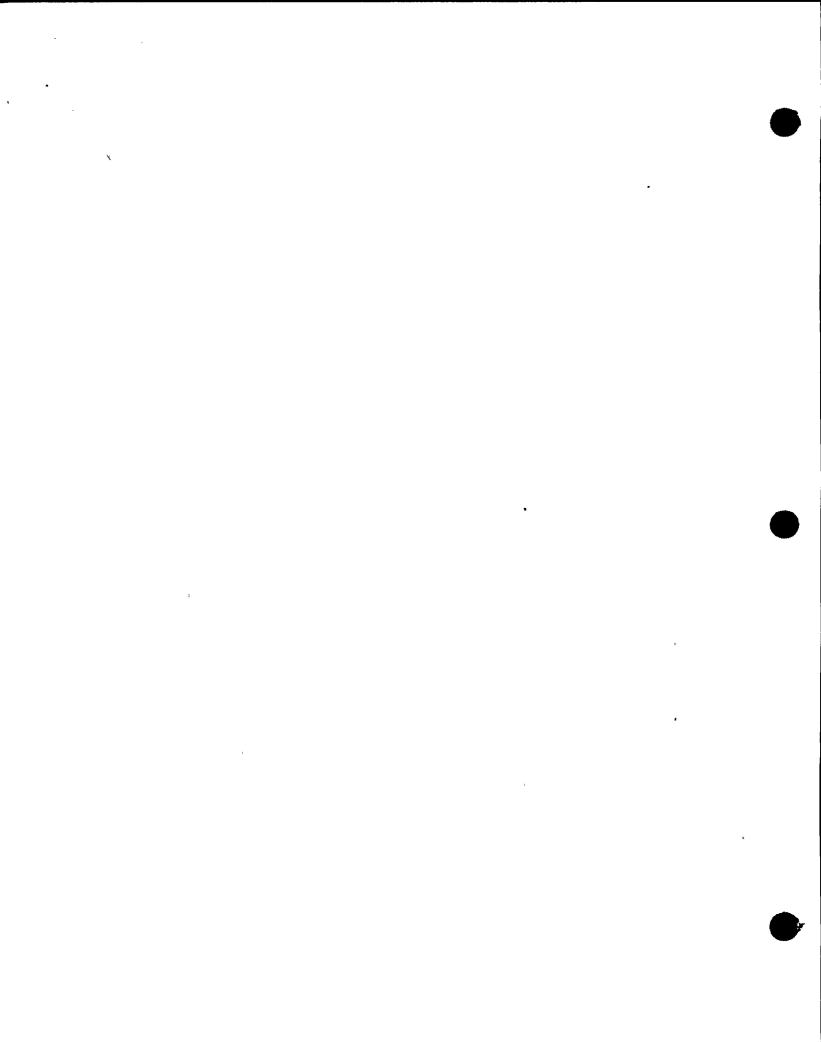
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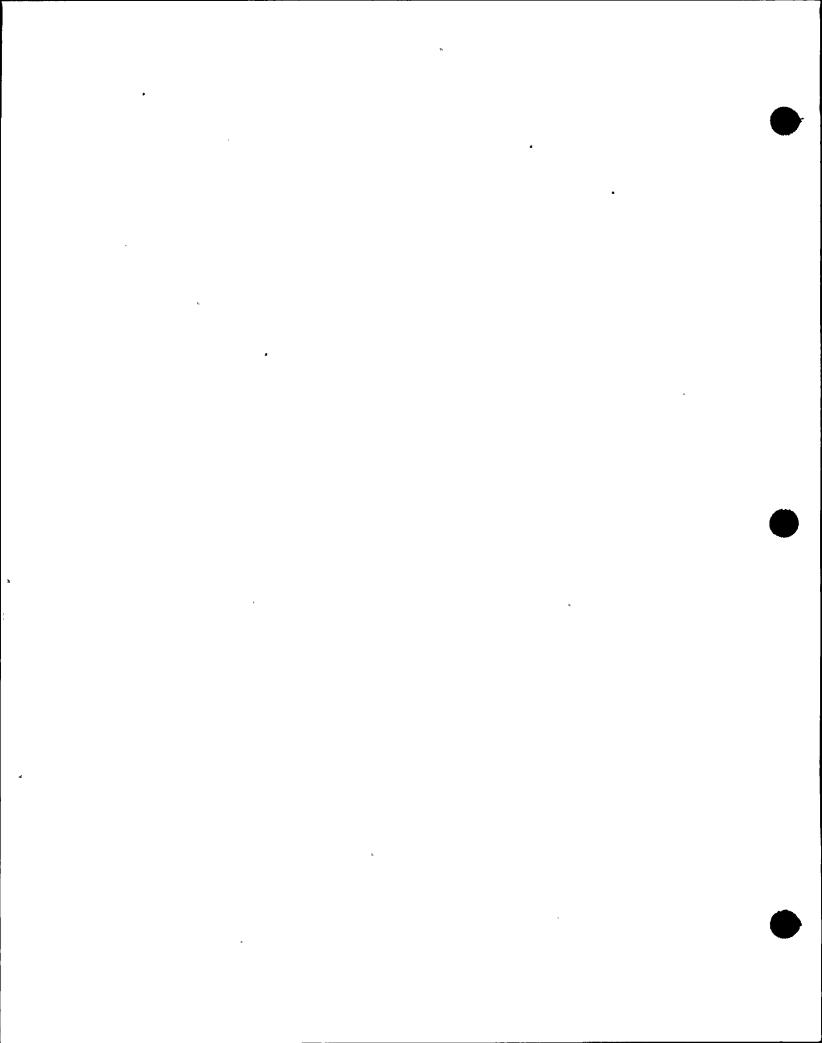


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A. INTRODUCTION

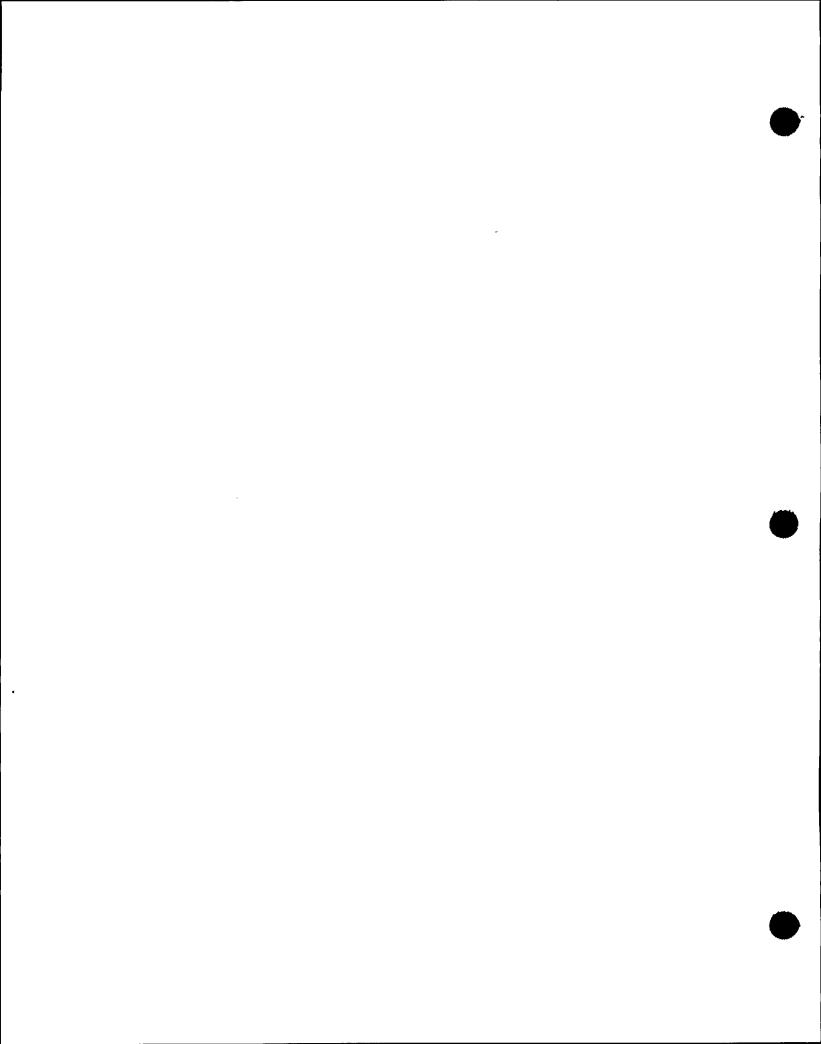


#### INTRODUCTION

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

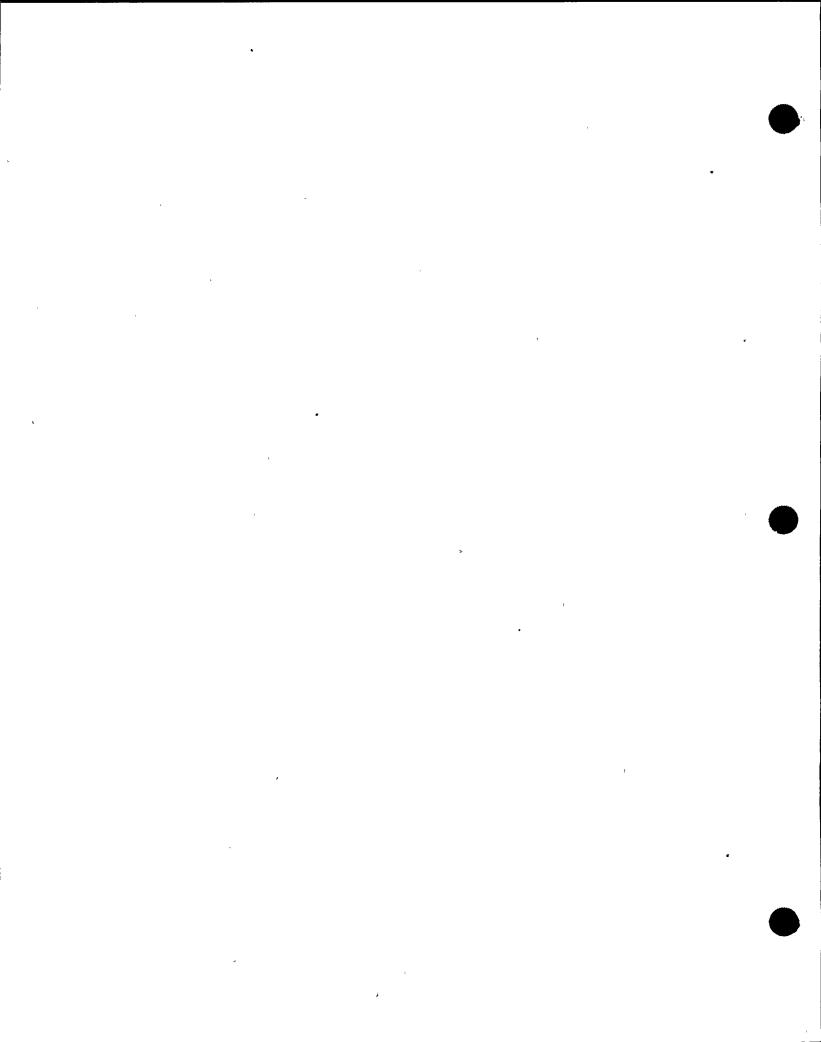


based on multiple stream as required by the Summer 1978 Code. In all cases, the number of pipe welds selected for examination is identical to the number which would be chosen under "multiple stream", and the streams which are not selected for NDE receive hanger inspection and visual examination during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

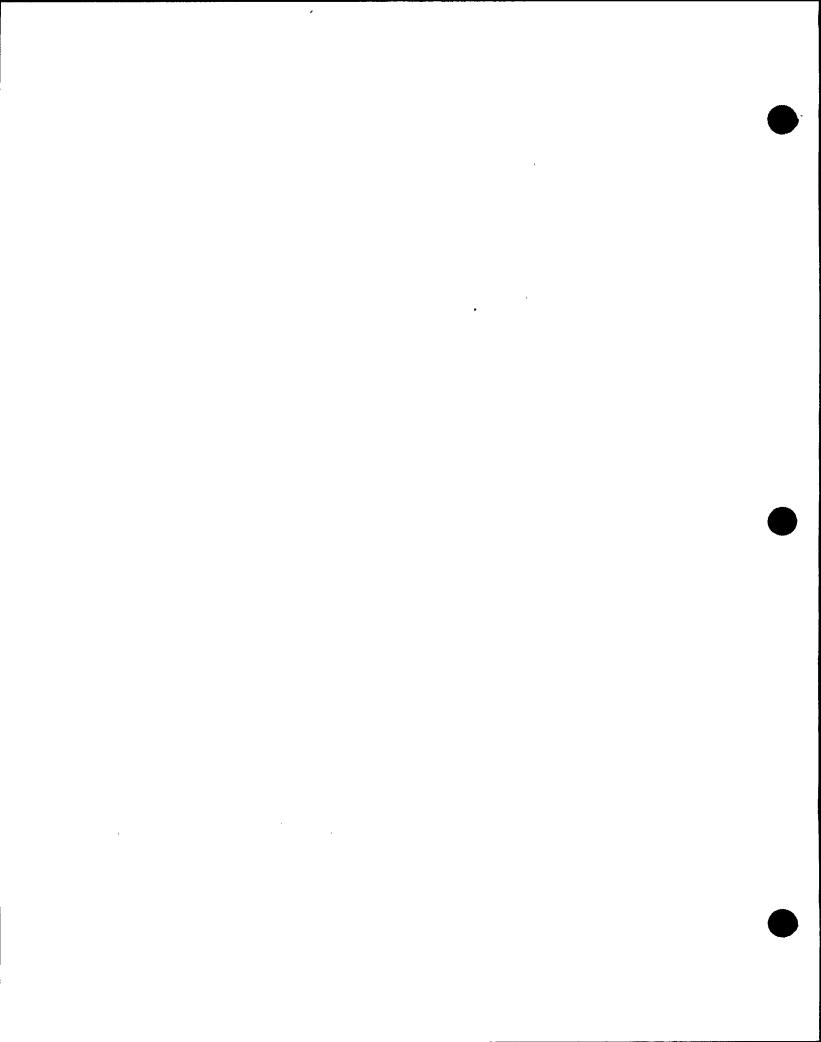
All pipe and component supports were examined to the criteria of Section XI, Summer 1978 Addenda (which includes VT-3 and VT-4 examination methods). Some hangers were examined to field as-built drawings while final engineering drawings are being prepared. These as-builts are compared with the final drawings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

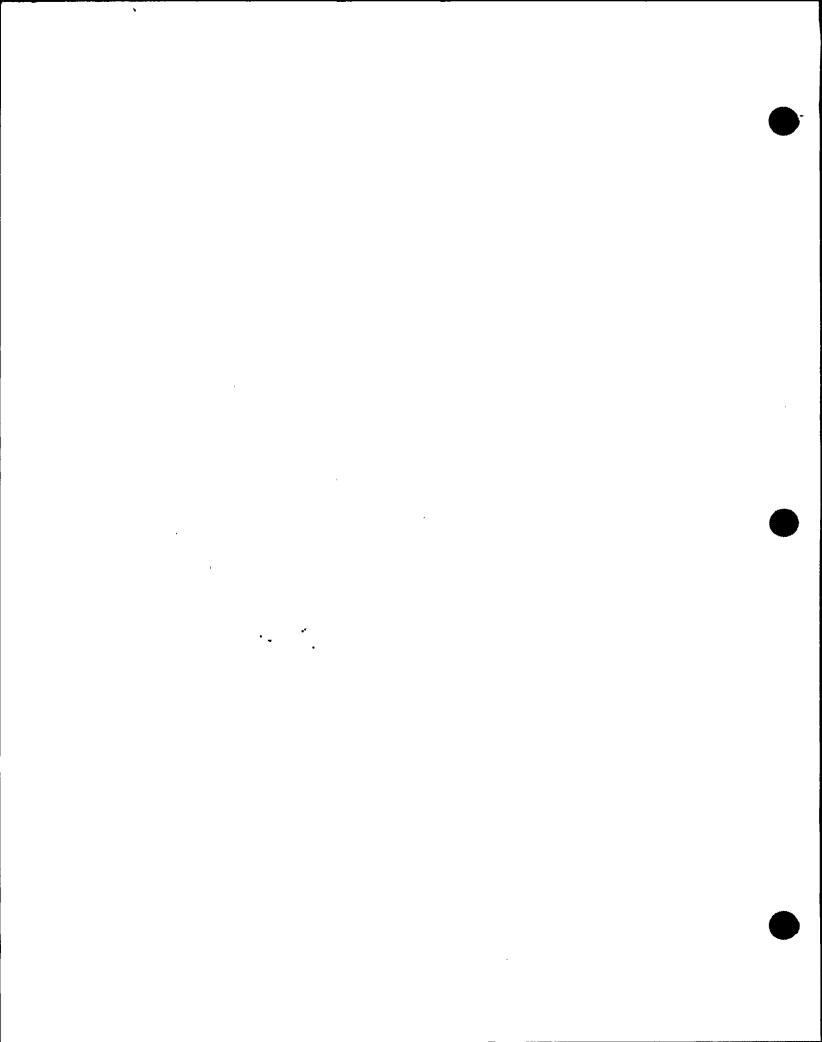
During the data review for preparation of this report it was discovered that the surface examination report for Weld WICG-3-1-LS (Line 228) showed an exam limitation due to a glue deposit on the weld. The eleven inches of weld not tested will be cleaned and examined no later than the first refueling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



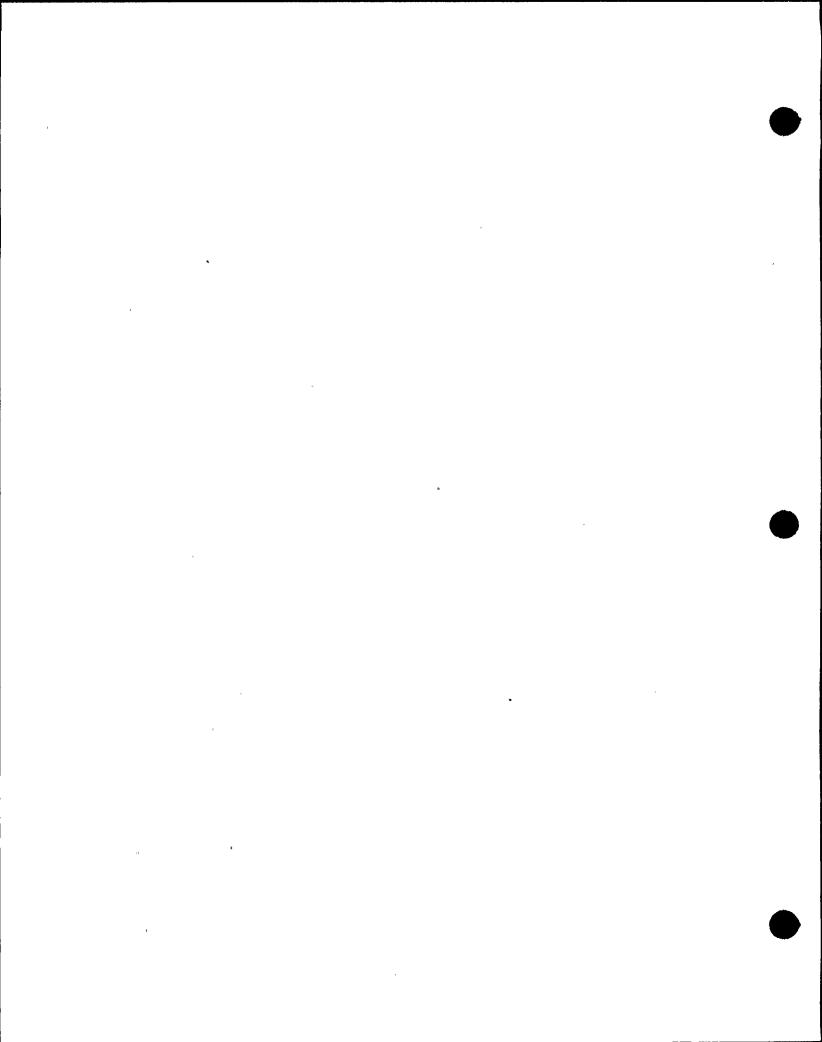
To assure that the original examination records are still current, a detailed review of construction records was completed February 28, 1986. It identified only one system change (WIC-1056 on line 42) made in the interviewing years that did not receive the preservice reexamination required by Code. In 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



## 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 S	treet.	San Francisco.	_CA_	94106
				e and Address		•	Pac		

2.	PlantDidu	olo Canyon,	P.U. BUX	<u> 50, AVII a</u>	beach.	<u> </u>	<u> </u>	
	•		(Nam	e and Address	of Plant)			

3.	Plant Unit	<u>Two</u>	4. Owner Certificate of Authorizate	tion (if required) N/A
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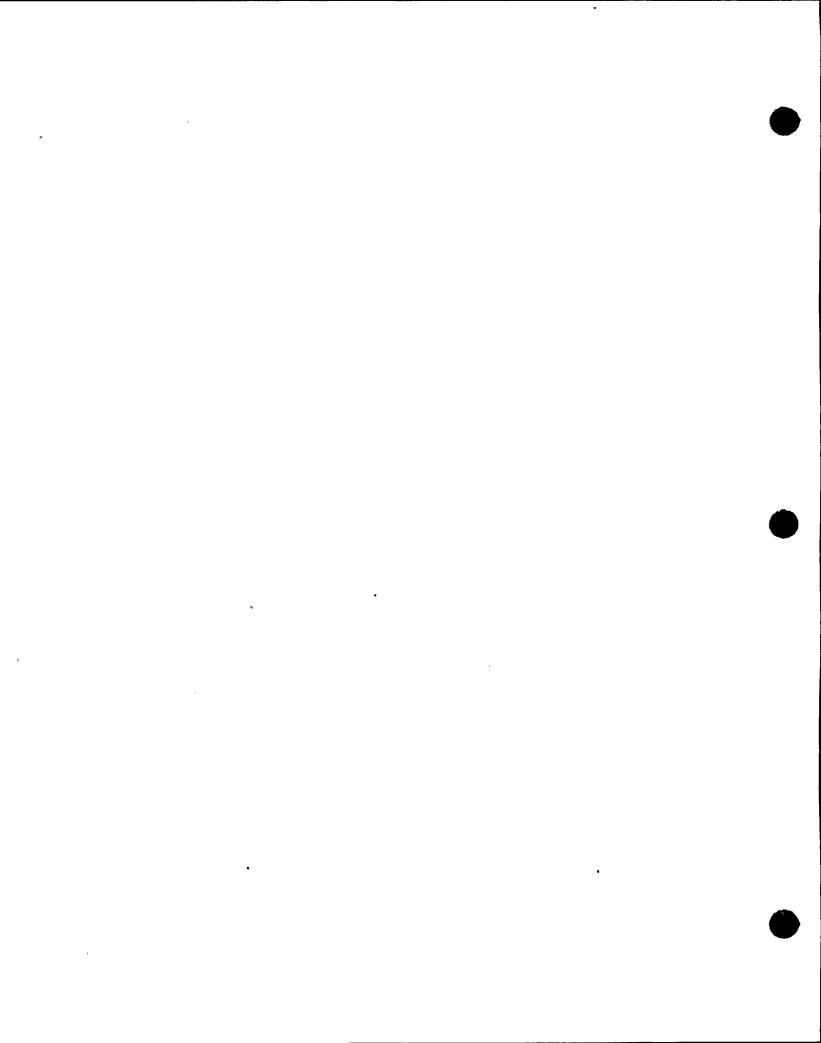
5. Commercial Service Date 03/13/86 6. National Board Number for Unit \_\_\_\_\_ N/A

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	Wismer & 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
	<u> </u>			
	•			

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.



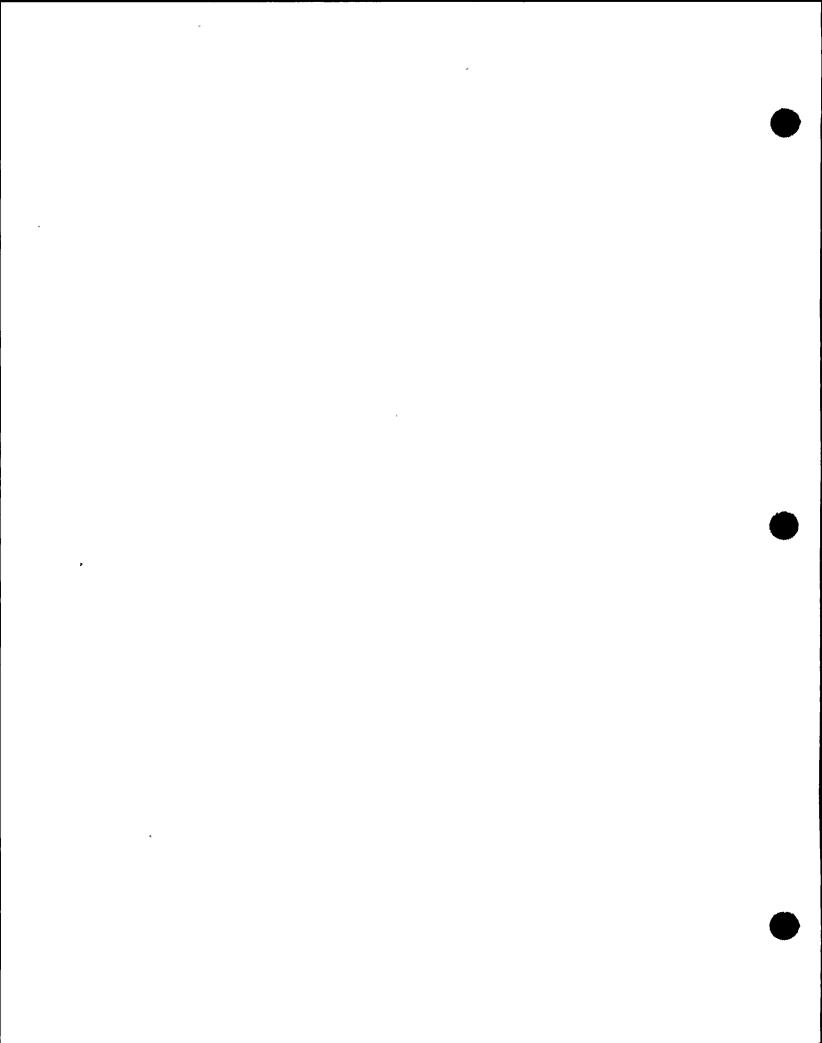


## FORM NIS-1 (back) (CLASS-1)

8. Examination Dates 8-76 to 3-85 9. Inspection Interval from PSI to PSI
<ol> <li>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.</li> <li>Abstract of Conditions Noted: Various items required repair or replacement. All items acceptable per Sec. XI S'75 (See Item 12).</li> <li>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.</li> </ol>
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 8C Signed Plant Manager By Re The R. C. THORNBERRY
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of <u>California</u> and employed by <u>H S B I &amp; I</u> 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, conce ing 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.
Dat: 6/3 1986  A. K. G. Arrsca Commissions NB3594 CA 1419
R. K. JUHNSUN Commissions 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.



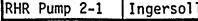


## FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS As required by the Provisions of the ASME Code Rules



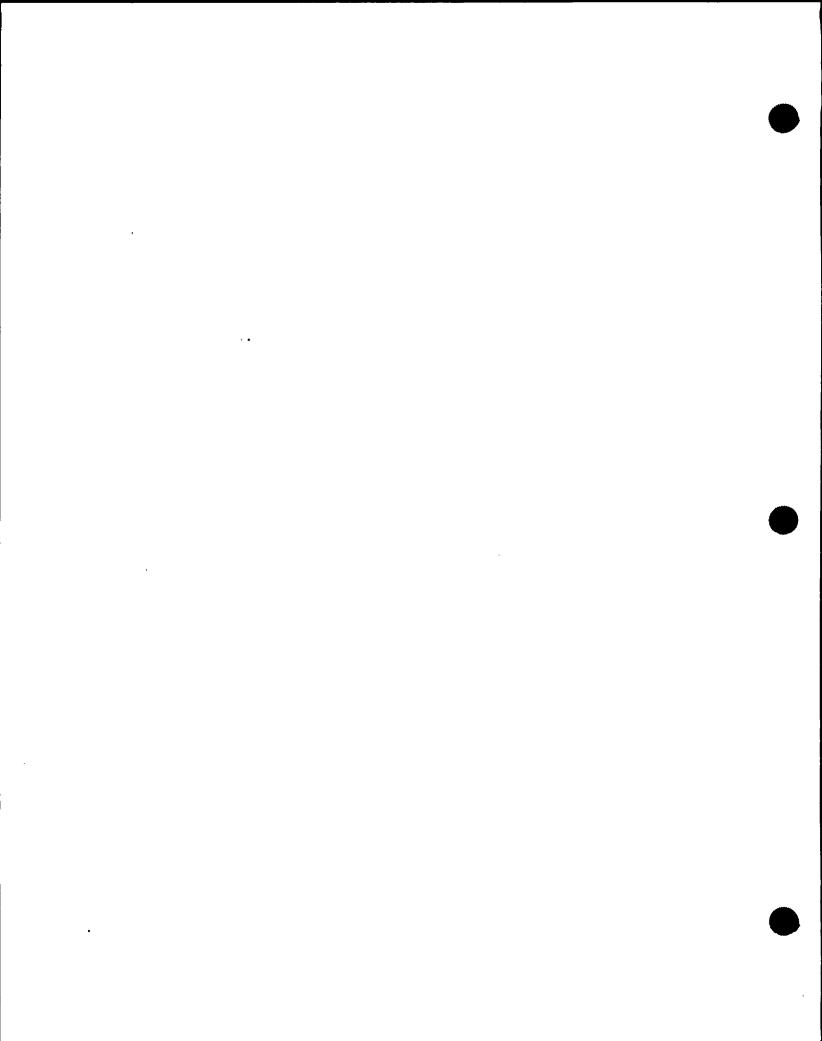
1.	Owner Pacific Gas &	Electric Co., 77 Beale St., San Francisco, CA 94106
		(Name and Address of Owner)
2.	Plant Diablo Canyon, P	.O. Box 56, Avila Beach, CA 93424
	•	(Name and Address of Plant)
3.	Plant UnitTWO	4. Owner Certificate of Authorization (if required) N/A
5.	Commercial Service Date 03/	13/86 6. National Board Number for UnitN/A
7.	Components Inspected A7	1 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
	Commercial Filters Corp.	17392-1834	N/A	1371
Seal Inj. Fl.2	Commercial Filters Crop.	17392-1835	N/A	1372
Exc. Ltdn. 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	1831-4111	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.	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 81/2 in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.





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

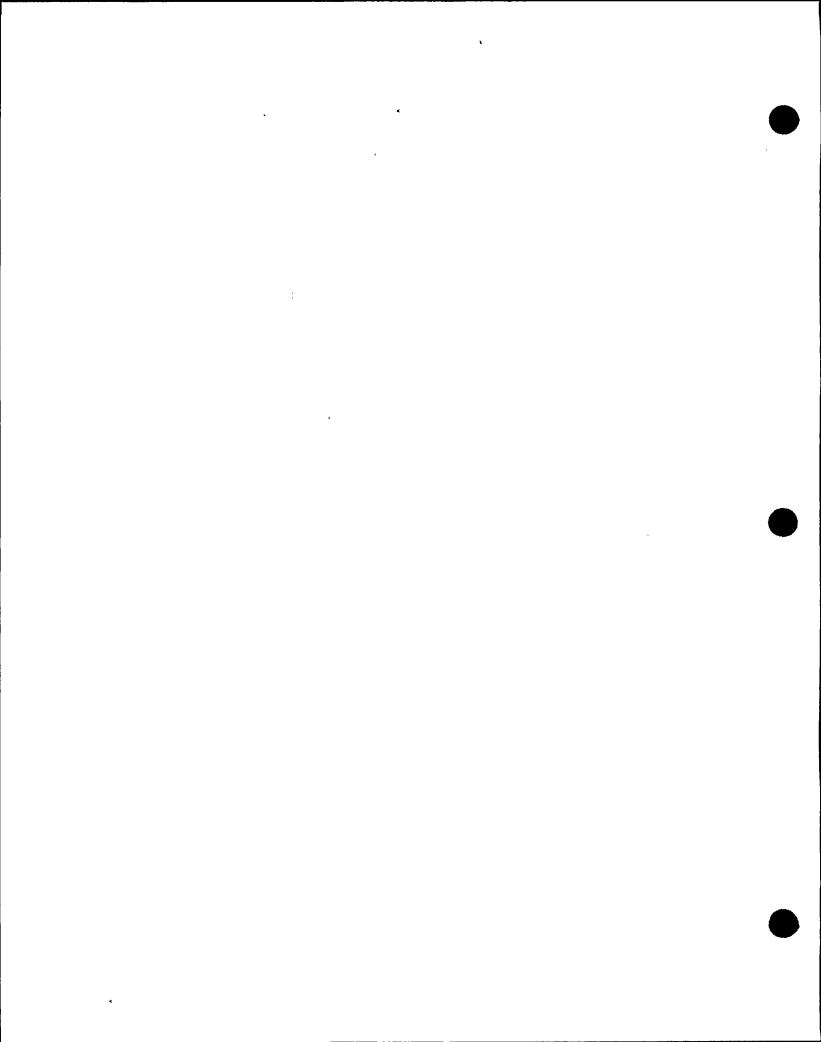
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1.	Owner Pacific Gas & Flectric Co., 77 Beale St., San Francisco, CA 94106 (Name and Address of Owner)
2.	Plant Diablo Canyon, P.O. Box 56, Avila Beach, CA 93424 (Name and Address of Plant)
3.	Plant Unit
5.	Commercial Service Date 03/13/86 6. National Board Number for UnitN/A
7.	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
Cl. 2 Piping	M.W. Kellogg/Pullman Pwr	N/A	N/A	N/A
C1.2 Valves	Various	N/A	N/A	N/A
Cl.2 Comp. Sup	Various	N/A	N/A	N/A
	-			
•				
	,	<del></del>		

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.



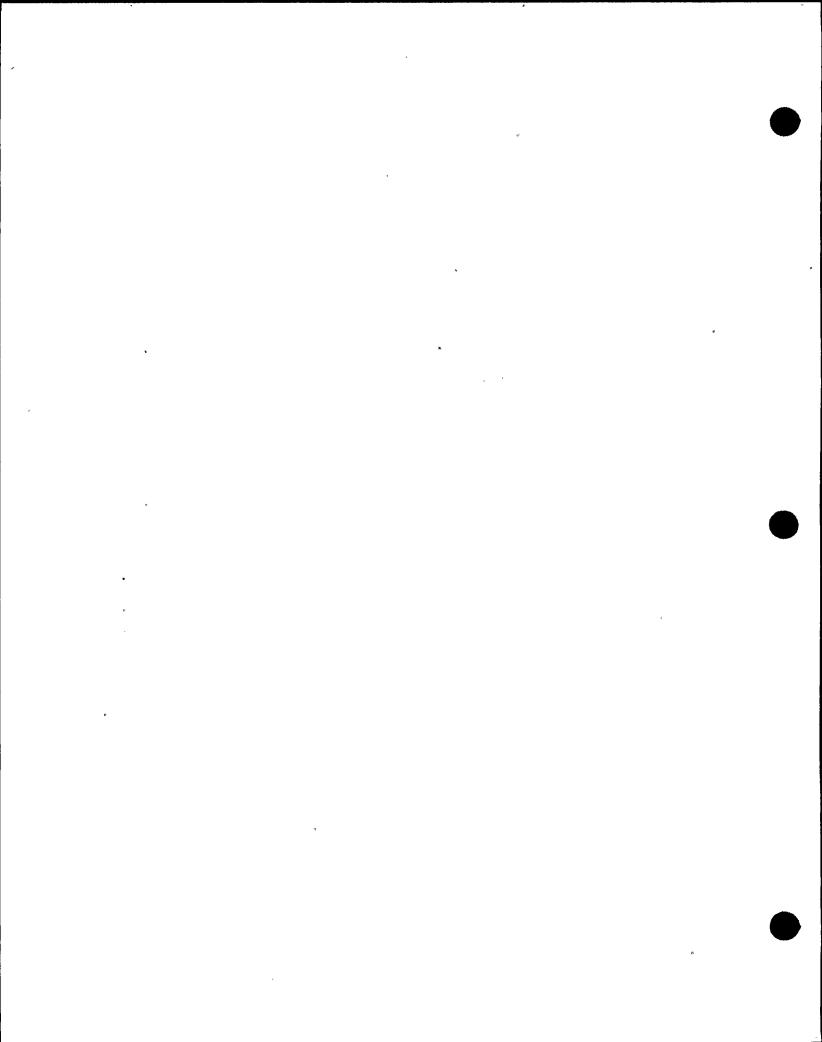


## FORM NIS-1 (back) (CLASS-2)

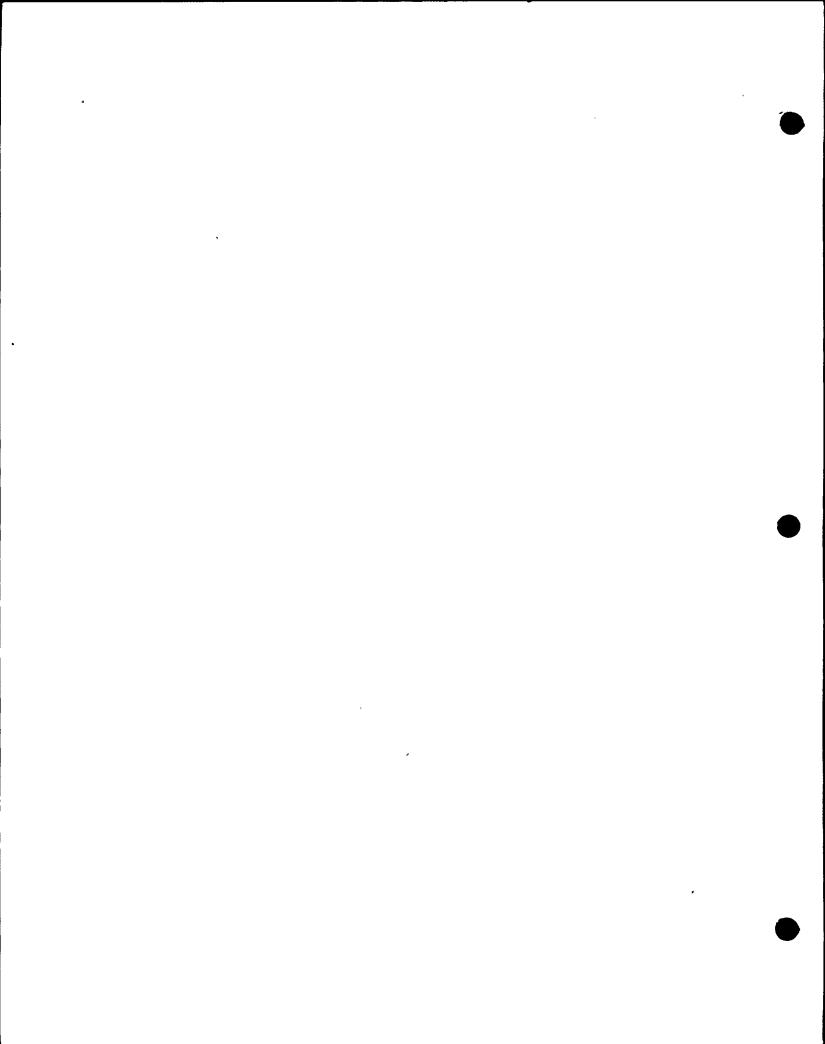
20-44 (g. 1
8. Examination Dates 8-76 to 3-85 9. Inspection Interval from PSI to PSI
<ol> <li>Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. Refer to PSI Summary. See Summary Relief from. Code Requirements (Section E) for requests for Relief which documents exceptions taken.</li> <li>Abstract of Conditions Noted: Various items required repair or replacement. All items acceptable per Sec. XI S'75 (See Item 12).</li> <li>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.</li> </ol>
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 1986 Signed Plant Manager By OC. TRobonic Cwner R. C. THORNBERRY
Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of California and employed by HSBI&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
or a loss of any kind arising from or connected with this inspection.

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.

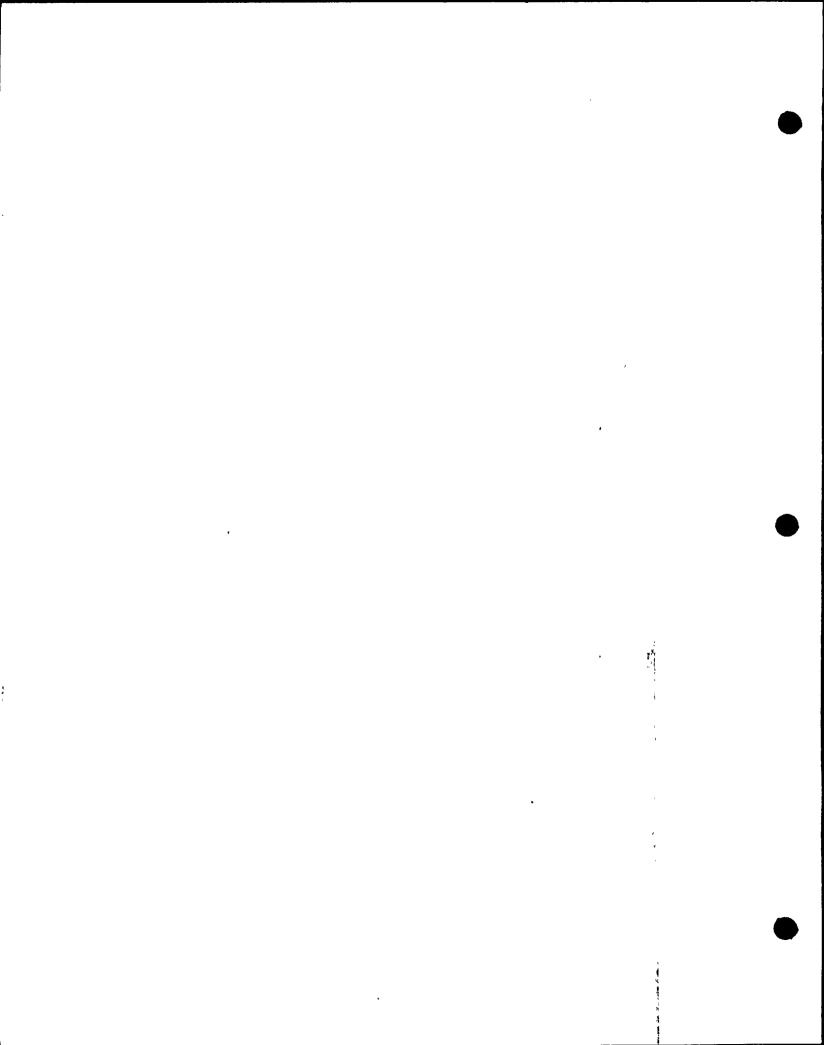




C. CLASS 1 COMPONENTS



C.1. Vessels

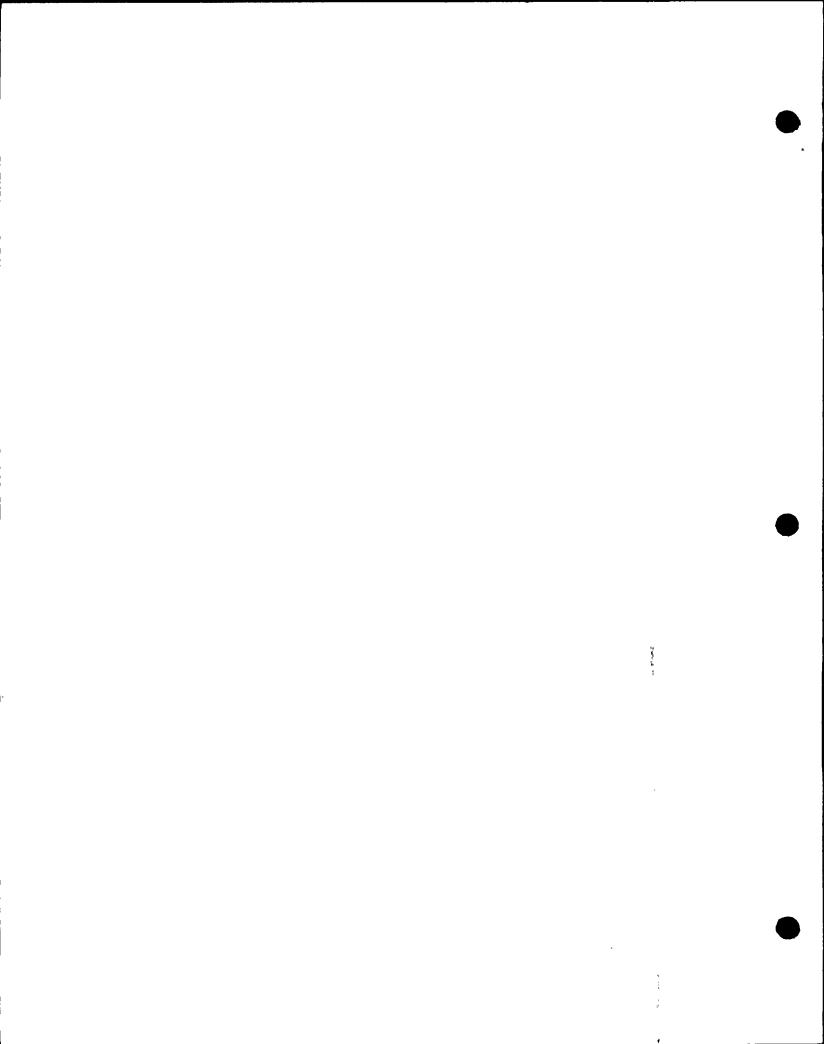








	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 1	ITEM: REACTOR VESSEL (B-A)(1.1) PAGE: 1 OF 9						
CATEGORY						00110	CORRECTIVE	······································
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
В-А	Reactor Vessel	Serial No. C.E. 68101 DWG. Ref. CE234-152-6		· · · · · · · · · · · · · · · · · · ·		,		
	Pressure Retaining Welds	DC663201-76						(xx-xx) Construction DWG.#
	Shell Welds	[ 1.1-1 ]*				•		[ISI DWG Page #]
B1.11	-Circumferential- Upper Course (to)	Weld No.'s		(3)				
	Intermediate (to)	8-201 9-201	UT UT	1	Jan.83 thru			
	Lower Course (to) Bottom Head	10-201	UT	1	Mar.83			•
B1.12	-Longitudinal- Upper Course	Weld No.'s 1-201A 1-201B 1-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83			
	Intermediate Course	Weld No.'s 2-201A 2-201B 2-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83			•
	Lower Course	Weld No.'s 3-201A 3-201B 3-201C	UT UT UT	(3) 1 1 1	Jan.83 thru Mar.83			

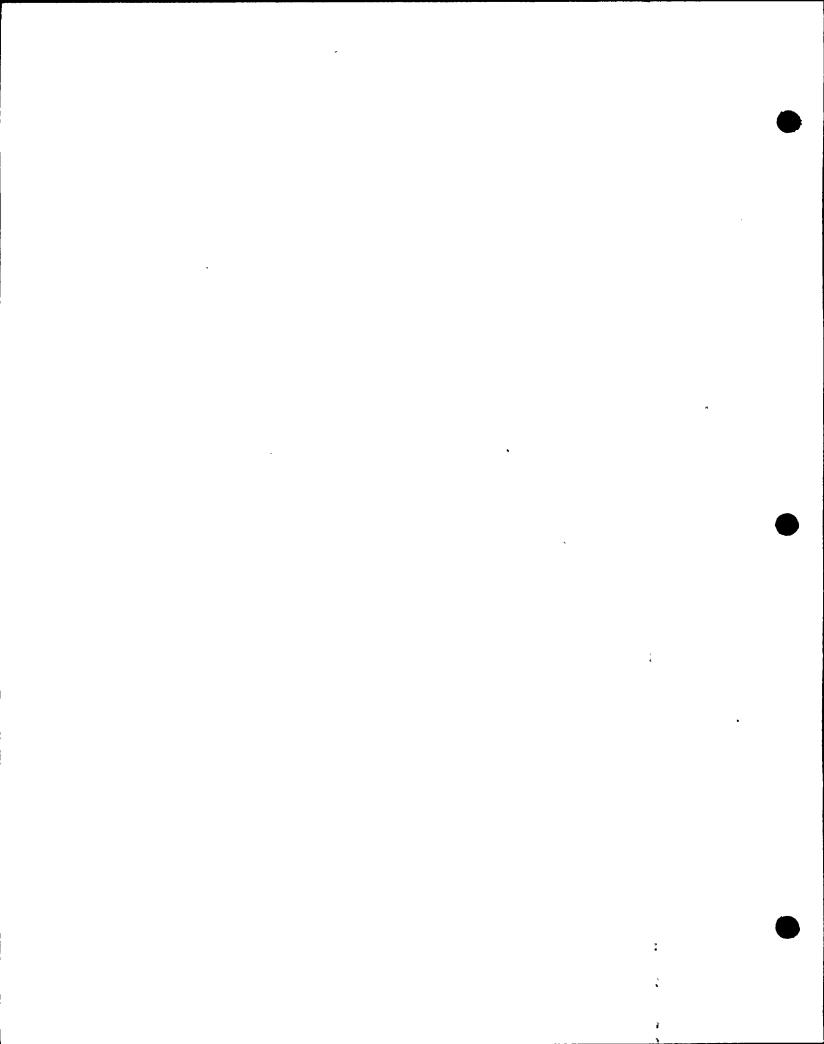


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DIABLO CANYON POWER PLANT - UNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	ITEM: _ PAGE:	REACTOR VESSEL (B-A)(1.1) 2 OF 9					
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	, REMARKS
		Serial No. C.E. 68101		<del></del>				
B-A	Reactor Vessel - Cont's Head Welds	d [ 1.1-1 ]						
B1.21	- Circumferential-	Weld No.'s			a			*
	Bottom Head Closure Head	4-202 6-205B		1 1	N/A N/A			Not Accessible Not Accessible
B1.22	- Meridional Welds-	Weld No.'s		(6)	Jan.83 thru			
	Bottom Head	1-202A		1	Mar.83			Accessibility limited
		1-202B		1				due to bottom mounted
		1-202C		1				instrument penetrations
		1-202D 1-202E		1				
		1-202F		1				
	Closure Head @ Stud	Weld No.'s		(6)	Jan.83 thru			1
	#5-6	1-205A	UT	1	Mar.83			Meridional welds are only
	#14 <b>-</b> 15	1-205B	ŬŤ	ī				accessible from flange to
	#23-24	1-205C	UT	1				vessel weld to head stroud
	#33-34	1-205D	UT	1				
	#41-42	1-205E	UT	1				
	#50-51	1-205F	UT	1				

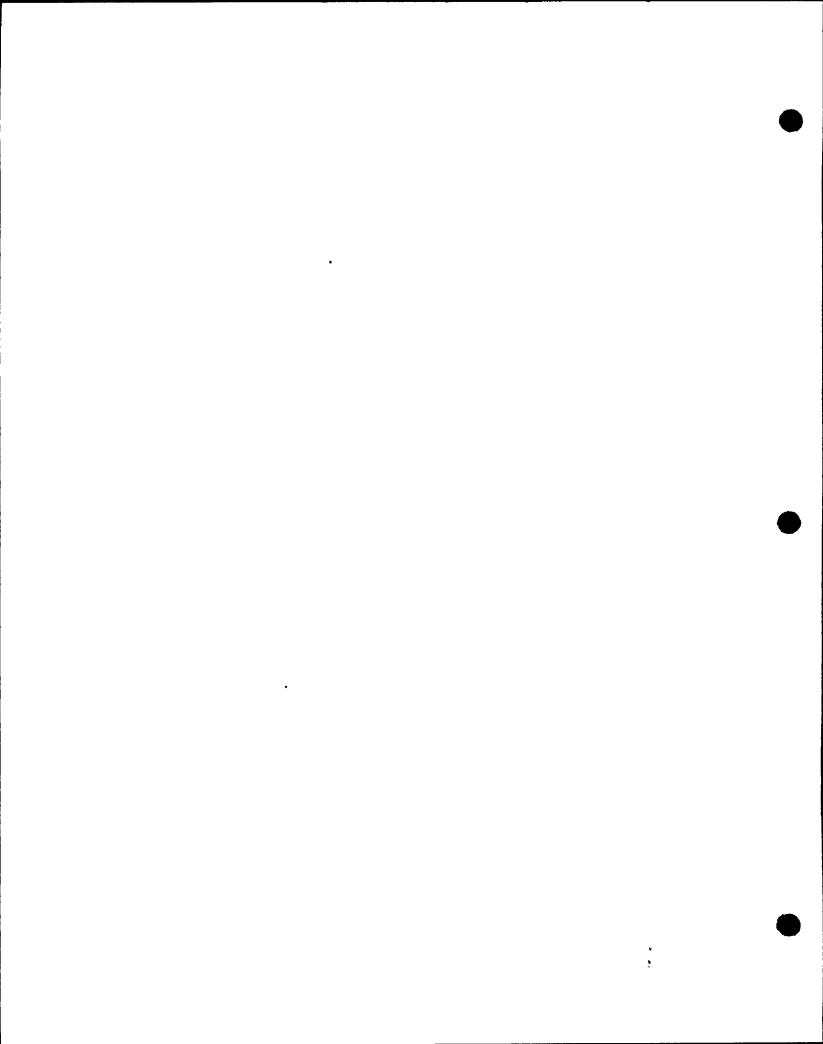








	ICE INSPECTION SUMMARY CTION XI SYSTEMS-CLASS 1	ITEM: PAGE:						
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	) REMARKS
B-A -	Reactor Vessel - Cont'd	[ 1.1-1 ] .						
B1.30	Shell To Flange Weld	Weld No.	UT	(1)	Jan.83 thru Mar.83			
		7-201 (From Flange)		1				
B1.40	Head To Flange Weld	Weld No.	UT	(1)	Jan.83 thru Mar.83			•
	•	6-205A		1	1147 .00			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

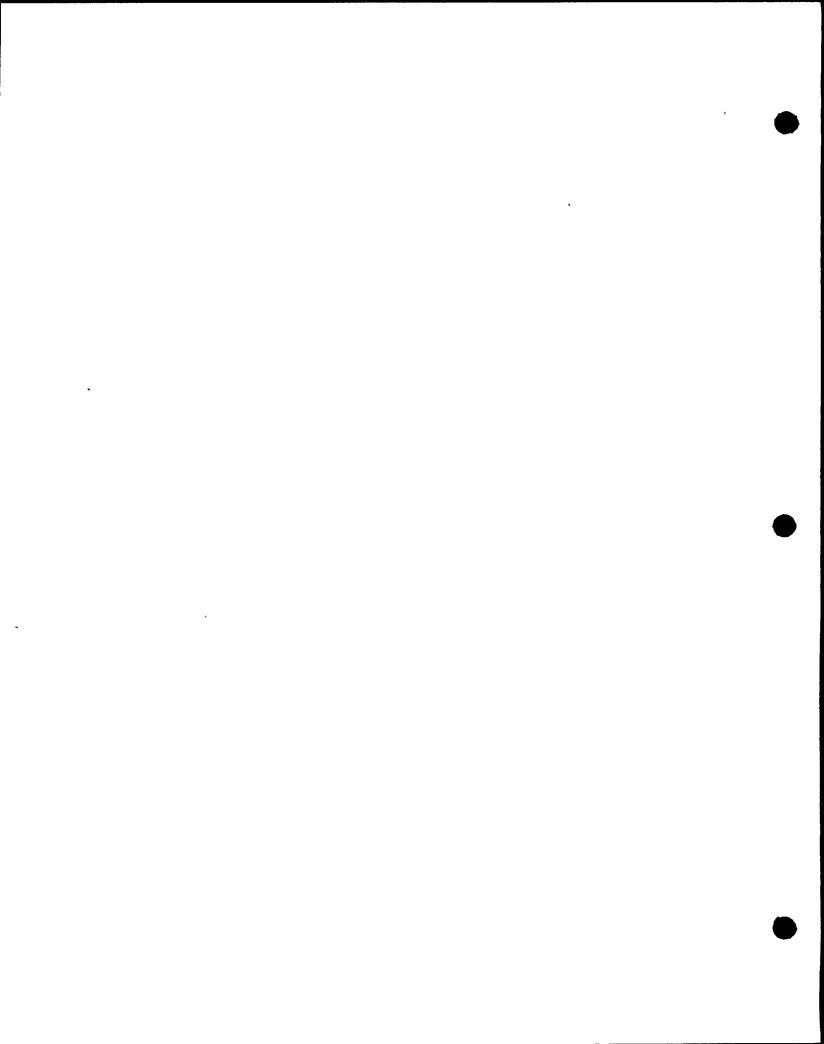


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### DIABLO CANYON POWER PLANT J

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1						ITEM: REA	CTOR VESSEL (B-D)(1.1
CATEGORY	ACCUPANTIAL OF CHATCH	GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	DEMARKS
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS
B-D	Reactor Vessel -	[ 1.1-1 ]						
B3.90	Nozzle To Vessel							
B3.100	Welds Nozzle inside radius			(8)				
	Outlet Nozzle Loop 1	Weld No.'s *1-29SPL @ 338°	UT	1	1/83-3/8	3		
		Inner Radius	UT	1	12/3/82			
	Outlet Nozzle Loop 2	*2-29SPL @ 22°	UT	1	1/83-3/8	3		
		Inner Radius	UT.	1	12/3/82			<u> </u>
	Outlet Nozzle Loop 3	*3-29SPL @ 158°	UT	1	1/83-3/8	3		·
		Inner Radius	UT	1	12/3/82			
	Outlet Nozzle Loop 4	*4-29SPL @ 202°	UT	1	1/83-3/8	3		
•		Inner Radius	UT	1	12/3/82			·
	Inlet Nözzle Loop 1	*9-27.5SPL @ 293°	UT	1	1/83-3/8	3		1
		Inner Radius	UT	1	12/3/82			
	Inlet Nozzle Loop 2	*10-27.5SPL @ 67°	UT	1	1/83-3/8	3		·
		Inner Radius	UT	1	12/3/82			
	Inlet Nozzle Loop 3	*11-27.5SPL	UT	1	1/83-3/8	3		
		0 113° Inner Radius	UT	1	12/3/82			



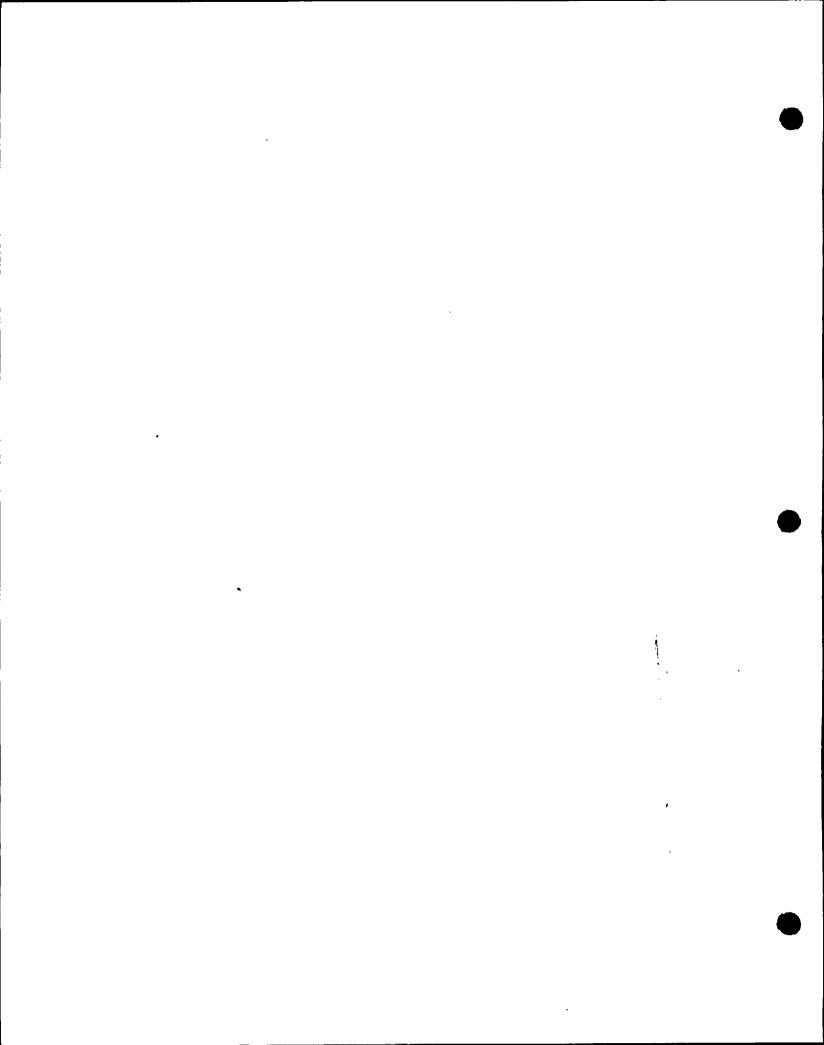
**PGandE** 



### DIABLO CANYON POWER PLANT JNIT 2

REACTOR VESSEL (B-D)(B-F)(1.1) ITEM: PRESERVICE INSPECTION SUMMARY OF PAGE: 5 ASME SECTION XI SYSTEMS-CLASS 1 CORRECTIVE CATEGORY COND. ACTION TOTAL EXAM **GENERAL** NDE (IF REQUIRED) **REMARKS** NOTED ITEM COMPONENT OR SYSTEM IDENTIFICATION METH ITEMS DATE [ 1.1-1 ] B-D Reactor Vessel -Cont'd 1/83-3/83 \*12.27.5SPL UT B3.100 Inlet Nozzle Loop 4 @ 247° (cont'd) 12/3/82 Inner Radius UT 1 NOTE: 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



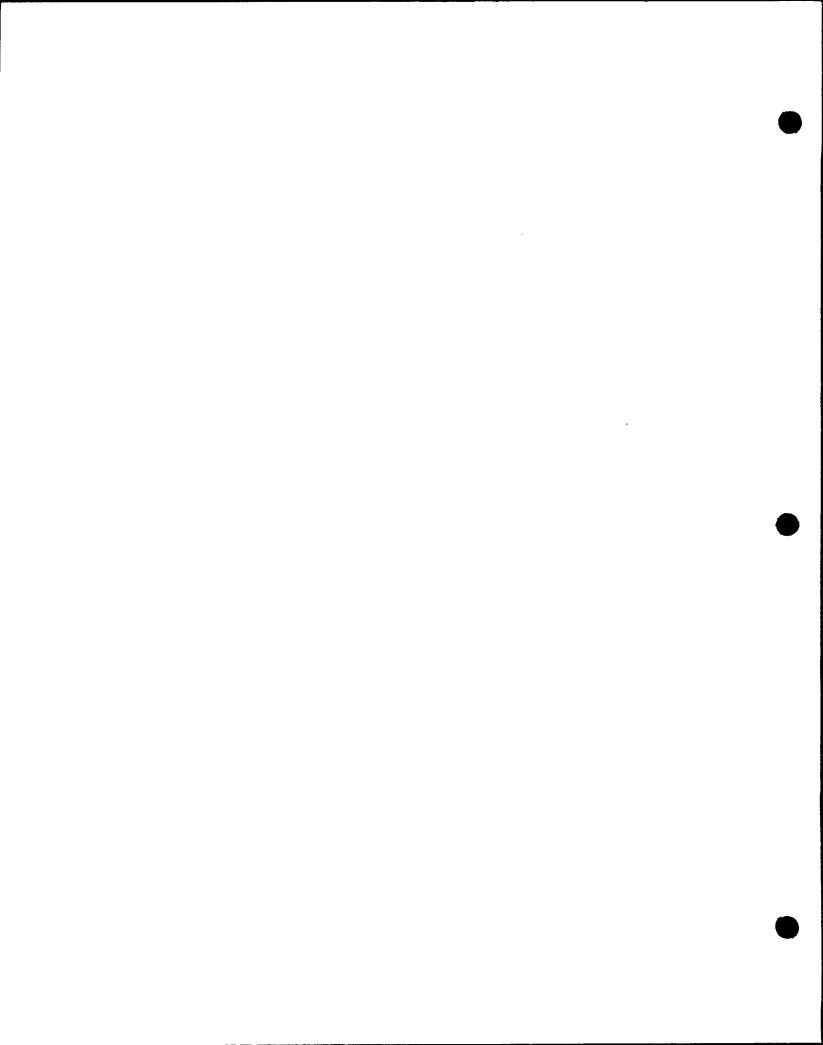




#### DIABLO CANYON POWER PLANT - JNIT 2

REACTOR VESSEL (B-G)(1.1) PRESERVICE INSPECTION SUMMARY ITEM: PAGE: OF ASME SECTION XI SYSTEMS-CLASS 1 6 CORRECTIVE CATEGORY COND. ACTION **GENERAL** NDE TOTAL **EXAM REMARKS** (IF REQUIRED) ITEM NOTED COMPONENT OR SYSTEM IDENTIFICATION METH ITEMS DATE B-G [1.1-1]Reactor Vessel -Cont'd Pressure Retaining Bolting Bolting Larger than B-G-1 2" dia. RPV Stud MT 54 3/16/76 B6.10 Closure Head Nuts Nuts No. 1(to)No.54 N/A Pre-service B6.20 Closure Studs, **RPV Studs** UT 54 See B1.8 In Place No.1(to)No.54 2/19/76 B6.30 Closure Studs, (when) **RPV Studs** UT 54 No.1(to)No.54 2/9/76 Removed MT 1/24/83 Flange Ligaments **RPV** Ligaments UT B6.40 54 No.1(to)No.54 (Between Stud Holes) 3/17/76 \* Bushings N/A RPV Stud Washer MT B6.50 Closure Washers, 54 (and Bushing)\* Pair No.1 (to)

No.54

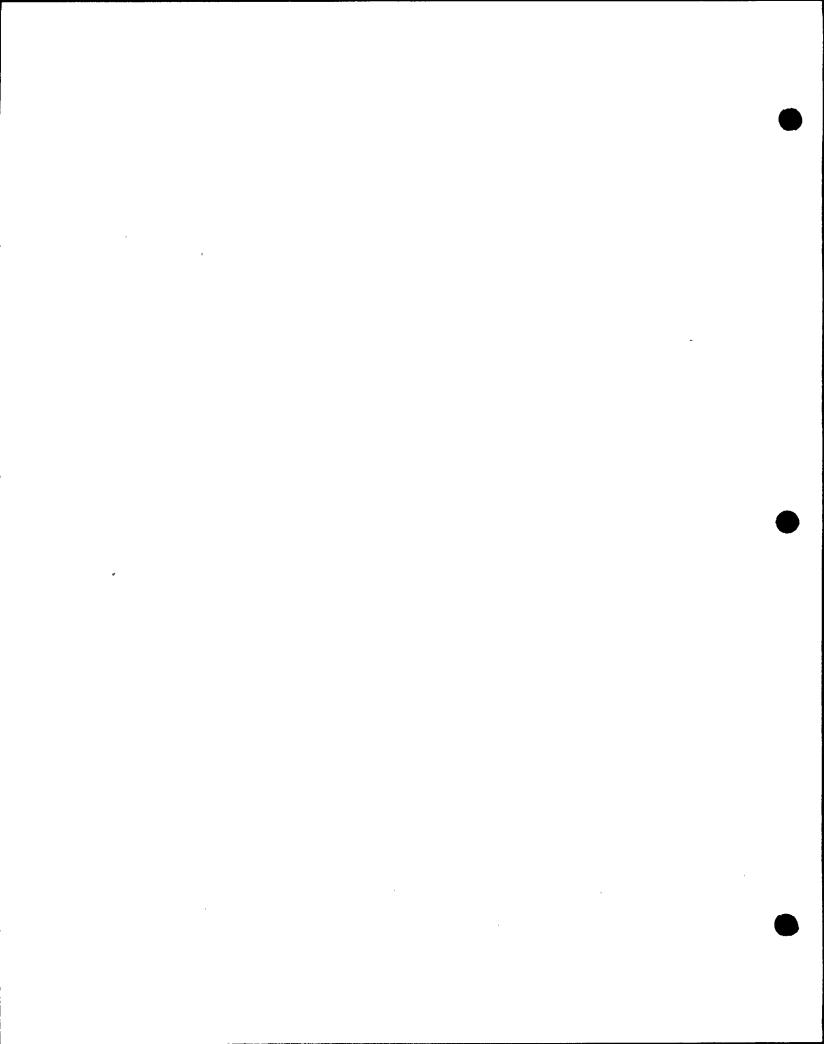






## DIABLO CANYON POWER PLANT - UNIT 2

	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1						ITEM: <u>RE</u> PAGE:	ACTOR VESSEL (B-G,H&N)(1.1) 7 OF 9
CATEGORY		OFNEDAL	NDE	TOTAL	CVAU	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED	) REMARKS
B-G	REACTOR · VESSEL - Cont'd Pressure Retaining Bolting	[1.1-1]					•	
B-G-2	Bolting < 2" Dia.							N.
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 leaktight status confirm integrity.
В-Н	INTEGRALLY WELDED ATTACHMENTS							; -
B8.10	Integrally Welded Attachments		-	-	-			Items not applicable. Vessel is supported by integral cast nozzle pads
B-N-1	VESSEL INTERIOR							
B13.10	Vessel Interior	Upper and Lower Internals Thermal Shield Drive Rods		Sur. Area	8/27/73			Internals and interior examined by trained Quality personnel not specifically certified to VT-3. Inservice exams required first outage.





B13.30

Support Structures





ITEM: REACTOR VESSEL (B-N)(1.1) PRESERVICE INSPECTION SUMMARY 0F PAGE: ASME SECTION XI SYSTEMS-CLASS 1 8 CORRECTIVE CATEGORY COND. **GENERAL** NDE TOTAL **EXAM ACTION** NOTED (IF REQUIRED) **REMARKS** DATE ITEM COMPONENT OR SYSTEM IDENTIFICATION METH ITEMS [ 1.1-1 ] B-N Reactor Vessel -Cont'd Removable Core B-N-3

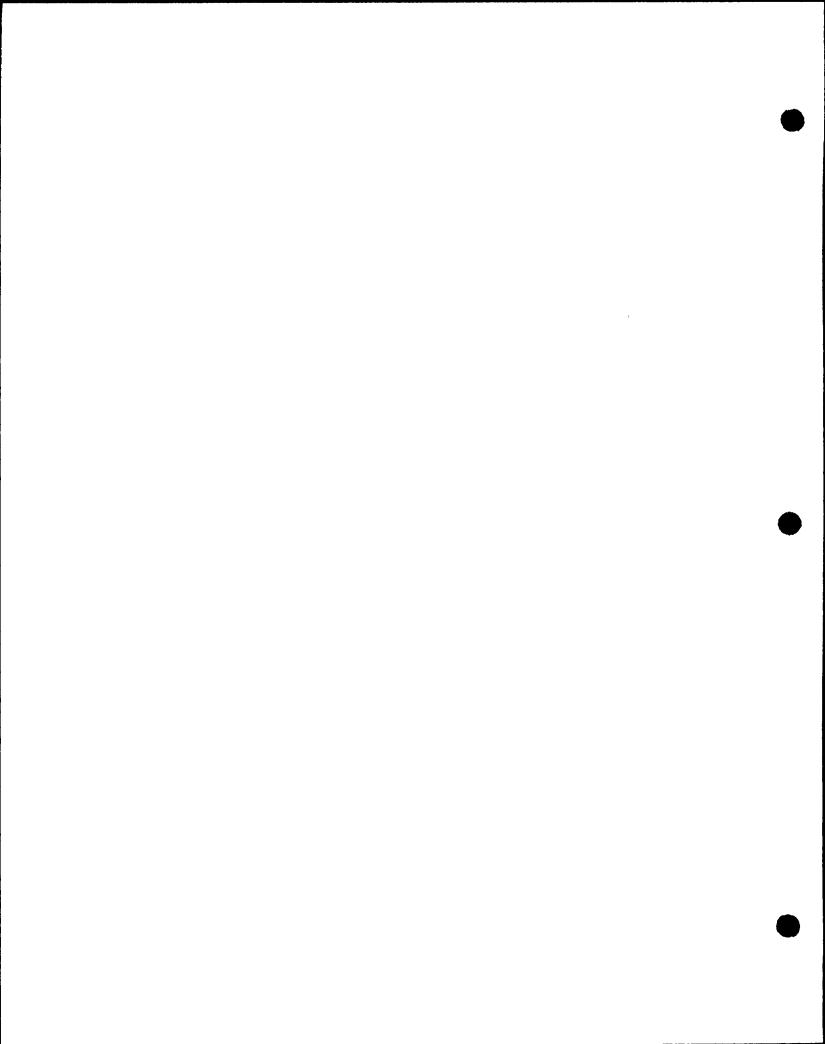
1

Core Barrel

VT

DC0508 8III

f



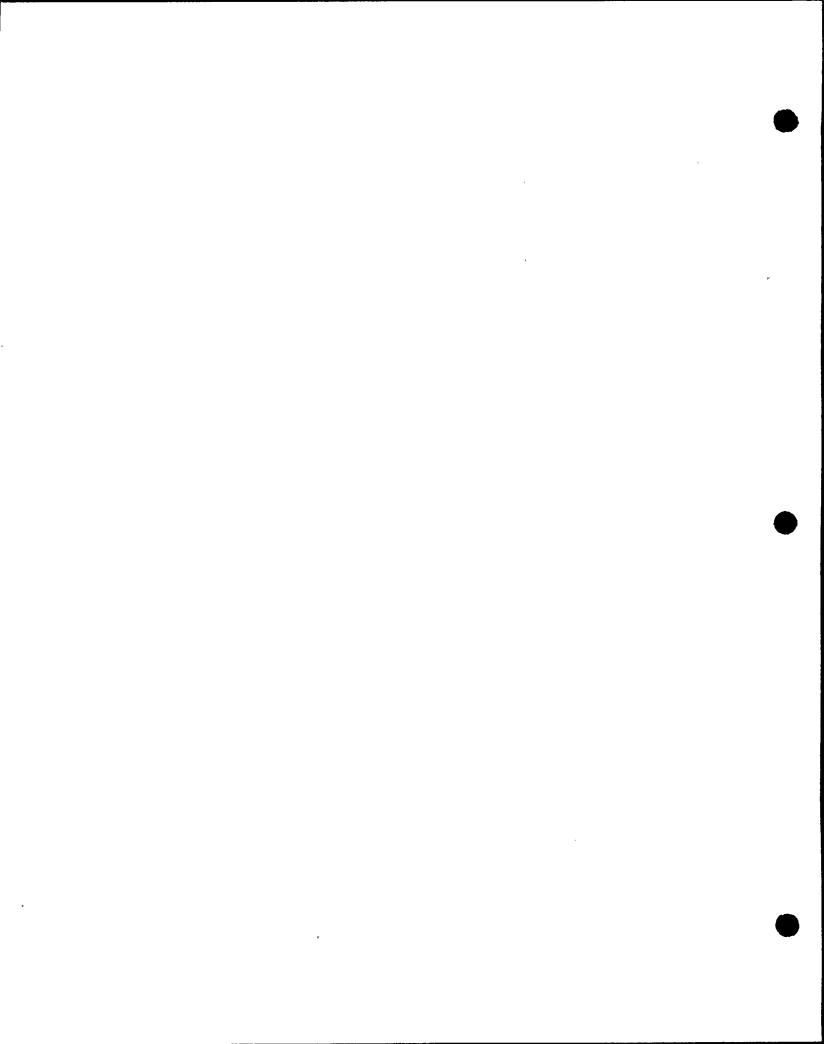


DIABLO CANYON POWER PLANT

JNIT 2

	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1		<del></del>		173.000		ITEM: PAGE:	REACTOR VESSEL (B-0)(1.1)  9
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED	) REMARKS
B-0 <sup>°</sup>	Reactor Vessel Contd	[ 1.1-1 ]						•
B14.10	Welds in CRD Housing	CRDM;	PT	26	1/8/85			There are 26 peripheral

END OF TABLE 1.1



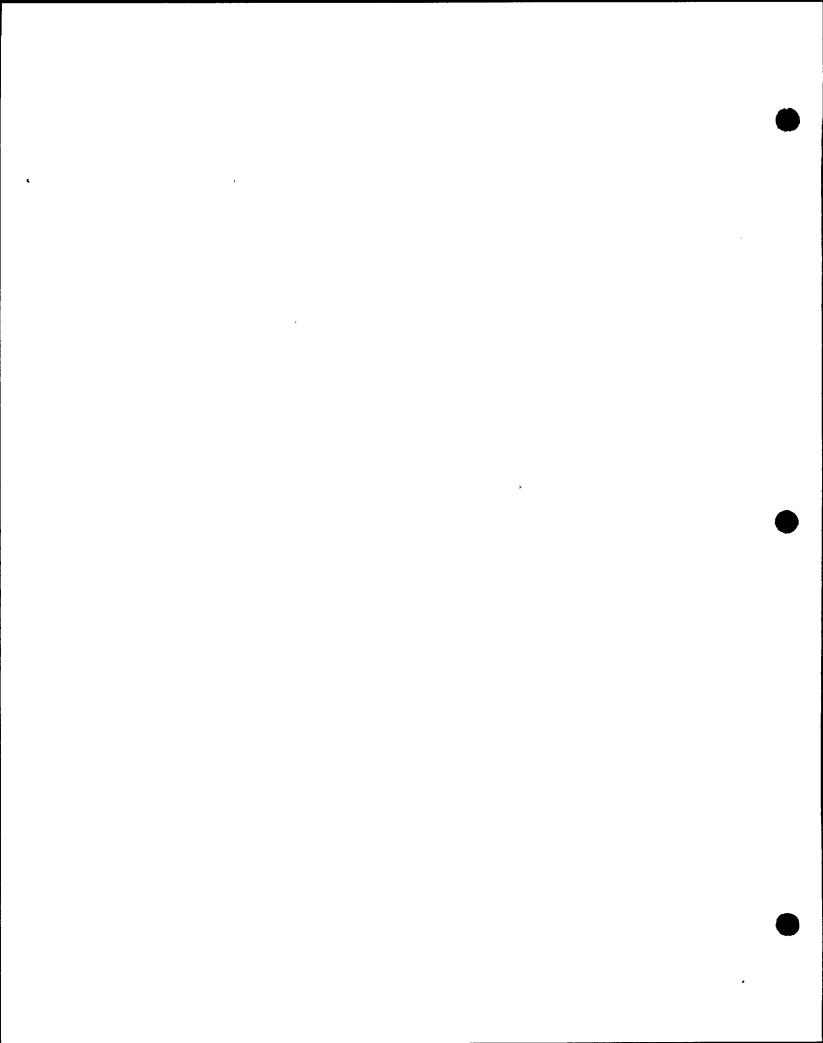


### DIABLO CANYON POWER PLANT

**#** 

WER PLANT JNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1		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 .	PRESSURE VESSEL WELDS	Serial No. W 1051		<del></del>				
B2.1	Pressurizer Vessel Shell To Head Welds	DWG. Ref DC663208-15-1						•
B2.11	- Circumferential -	[1.2-1]		(2)				ŕ
	Bottom Head to Lower Course	Weld No. Girth 1	UT	1	11/16/76			,
	Upper Course to Top Head	Weld No. Girth 5	UT	1	11/16/76			
		•		(2)				
B2.12	- Longitudinal - [Bottom Head] Lower Course	Weld No. Long'l 6	UT	1	11/16/76			
	Upper Course [Top Head]	Weld No. Long'l 9	UT	1	11/17/76		an 60 sp	1





PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1

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

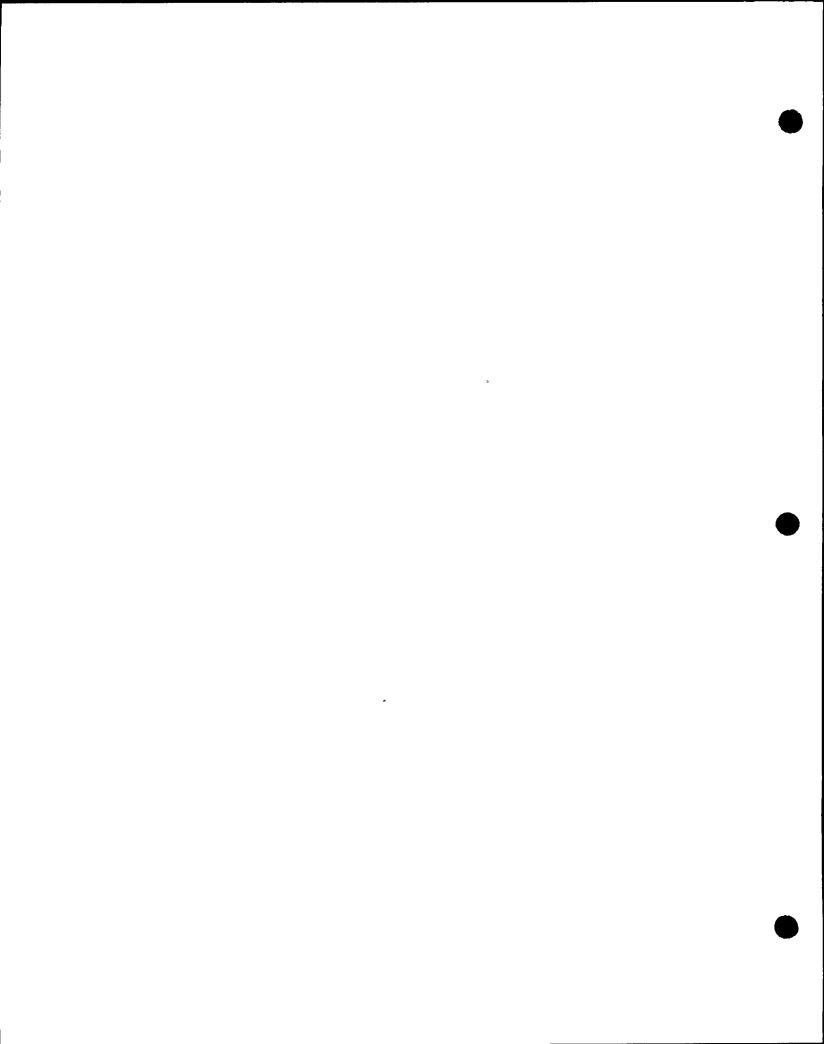
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE I METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	) REMARKS
B-B	Pressurizer Vessel - Cont'd	[ 1.2-1 ] -Remarks-	-					Items are not applicable. Upper and
B2.20	Head Welds	•						lower heads are cast carbon steel.
B2.21 B2.22	-Circumferential (and) -Meridional		-	-				carbon steet.
B-D B3.110 B3.120	Nozzle To Vessel Welds Nozzle Inside Radius							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
	Spray Line Nozzle @ Line S6-15.4SPL	WIB-346 N/S Inner Radius	UT Remarks	1	1/22/85			heater penetrations (ISI Relief 004B)
	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			1
	Safety Nozzle @ Line 2S6-727-6SPL	WIB-358 N/S Inner Radius	UT	1	1/22/85		so en en	

NOTE: Code Category B-E references pressure test.

B-F Pressure Retaining See Tab. 1.4

B5.20 Dissimilar Metal Page 2

Welds



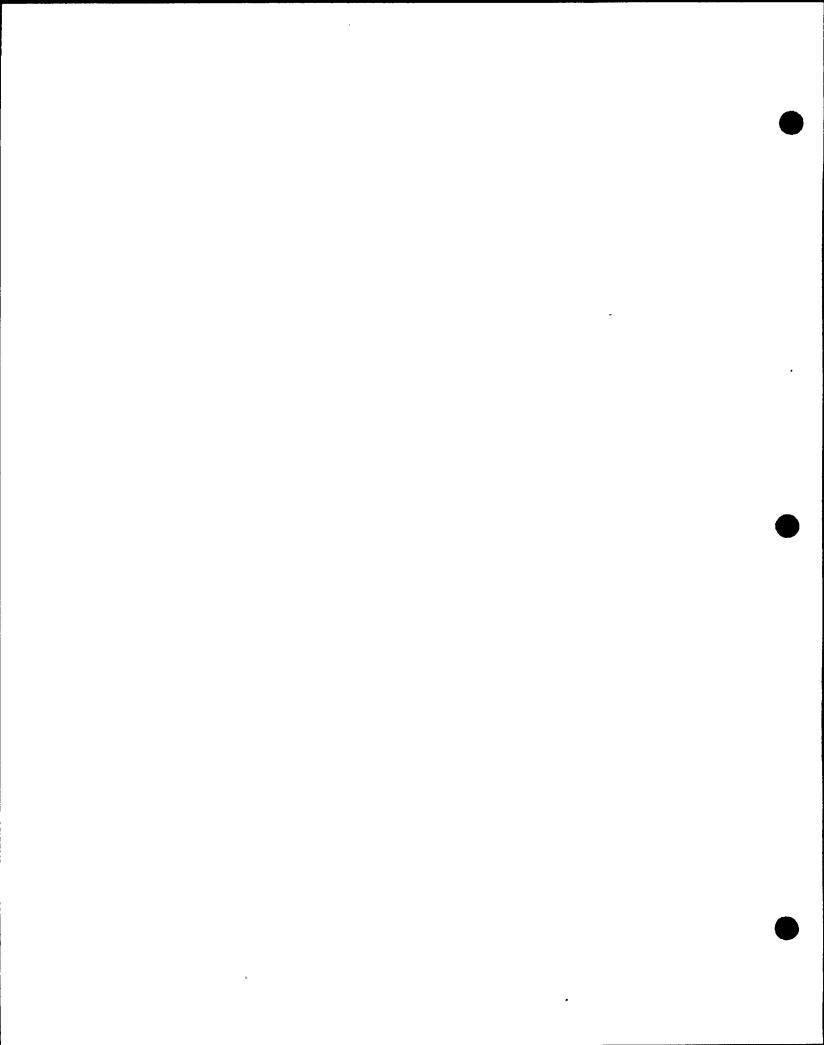




# PGandE

DIABLO CANYON POWER PLANT - UNIT 2

	PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 1  PAGE: 3 OF 3  PAGE: 3										
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS			
B-F B-G	Pressurizer Vessel - Cont'd.	[ 1.2-1 ]									
B-G-1	Pressure Retaining Bolting (Larger than 2 In. Diameter)										
B6.60 B6.70	Bolts & Studs, In Place Bolts & Studs, When Removed	e	-	-				s B6.60 and B6.70 applicable			
B-G-2	Pressure Retaining Bolting (2 in.dia. and less)							,			
B7.20	Upper Head	Manway Bolting	VT	16	1/28/85			i			
B-H B8.20	Vessel Supports Integrally welded (Support) attachments	Weld No.									
	Support Skirt	Girth 10	UT	1	11/16/76			•			



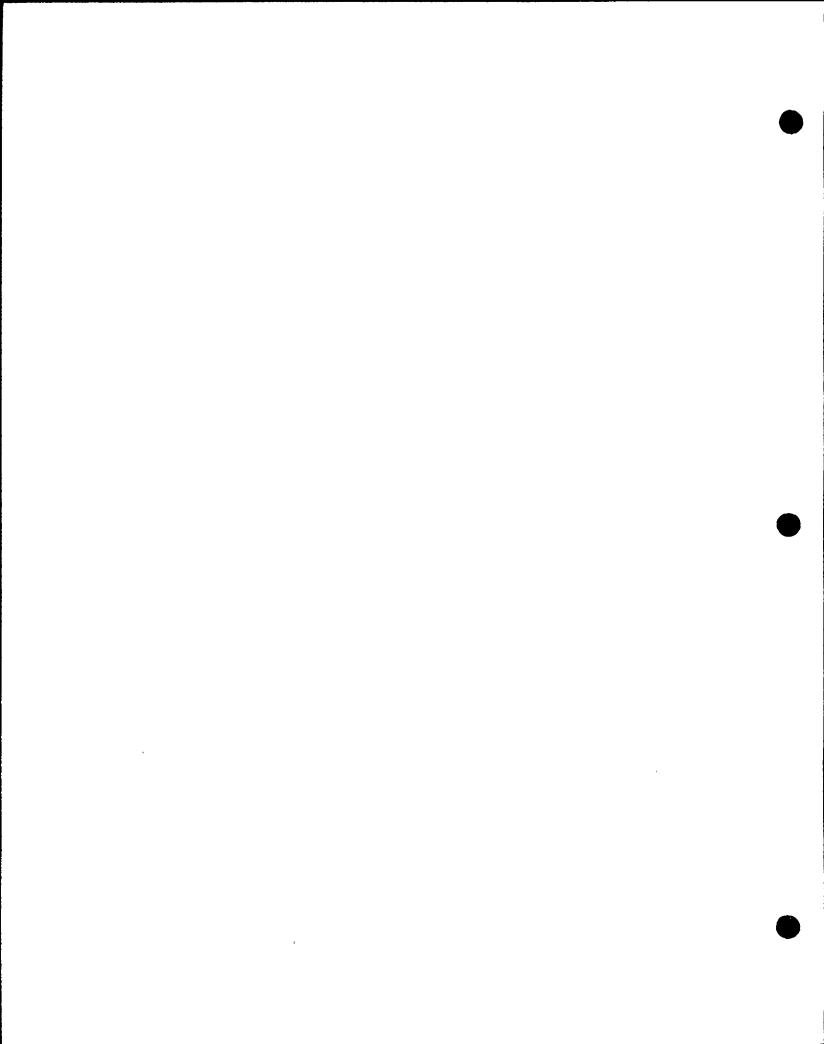


**PGandE** 



#### DIABLO CANYON POWER PLANT - UNIT 2

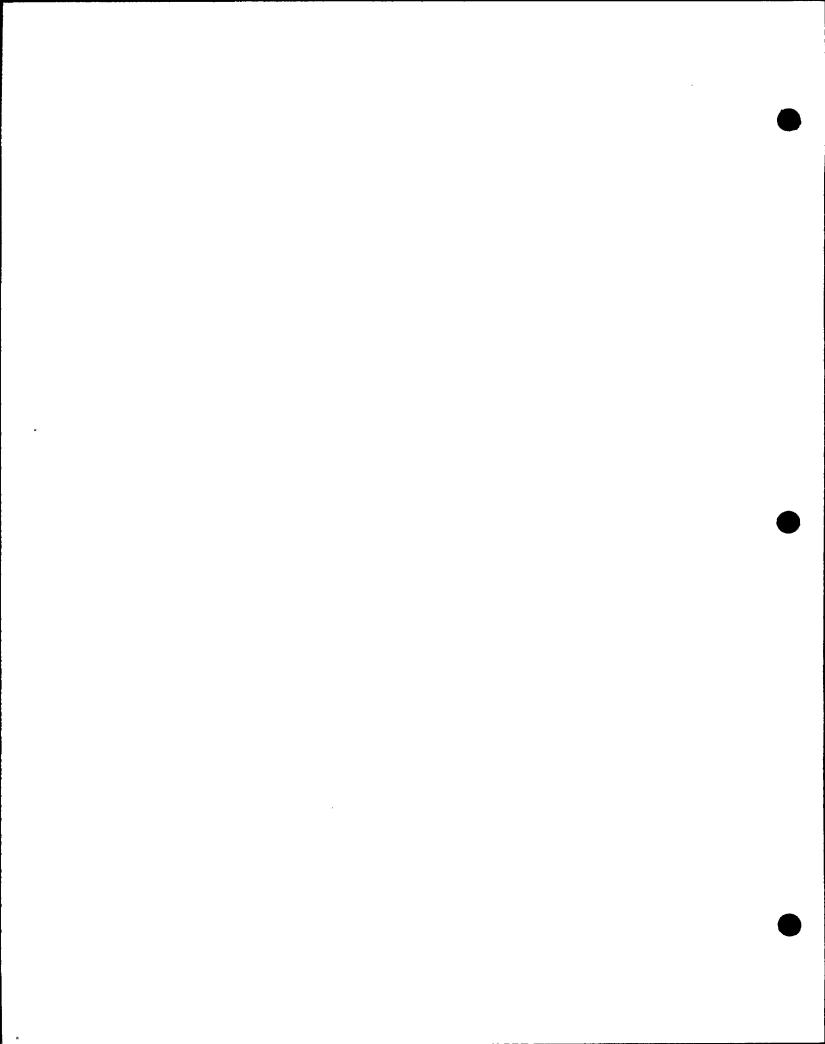
STEAM GENERATORS (B-B)(1.3) PRESERVICE INSPECTION SUMMARY ITEM: PAGE: 0F ASME SECTION XI SYSTEMS-CLASS 1 CORRECTIVE CATEGORY COND. ACTION **GENERAL** NDE TOTAL **EXAM** (IF REQUIRED) REMARKS IDENTIFICATION METH **ITEMS** NOTED ITEM COMPONENT OR SYSTEM DATE DWG.REF B-B **Steam Generators** (Primary Side)-DC-663206-77-1 [ 1.3-1 ] Head Welds Items not B2.31 Circumferential and applicable. Channel B2.32 Meridional Welds heads are cast carbon steel. (4) B2.40 Weld No. Tubesheet to Head Welds Channel Hd 2-1 UT. 12/8/77 Steam Generator 2-1 1 (Serial No. 1161) Channel Hd 2-2 UT 12/9/77 Steam Generator 2-2 (Serial No. 1162) Steam Generator 2-3 Channel Hd 2-3 UT 1 12/9/77 (Serial No. 1163) Channel Hd 2-4 UT 11/2/78 Steam Generator 2-4 1 (Serial No. 1164)





# DIABLO CANYON POWER PLANT - UNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	F	<del></del>		· · · · · · · · · · · · · · · · · · ·		ITEM: STEAM GENERATO PAGE: 2	ORS (B-D)(B-F)(1.3) OF 4
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-D	Steam Generators - Cont'd	[ 1.3-1 ]						
B3.130 B3.140	Nozzle To Vessel 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 St	tm. Ger	ı.'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							1



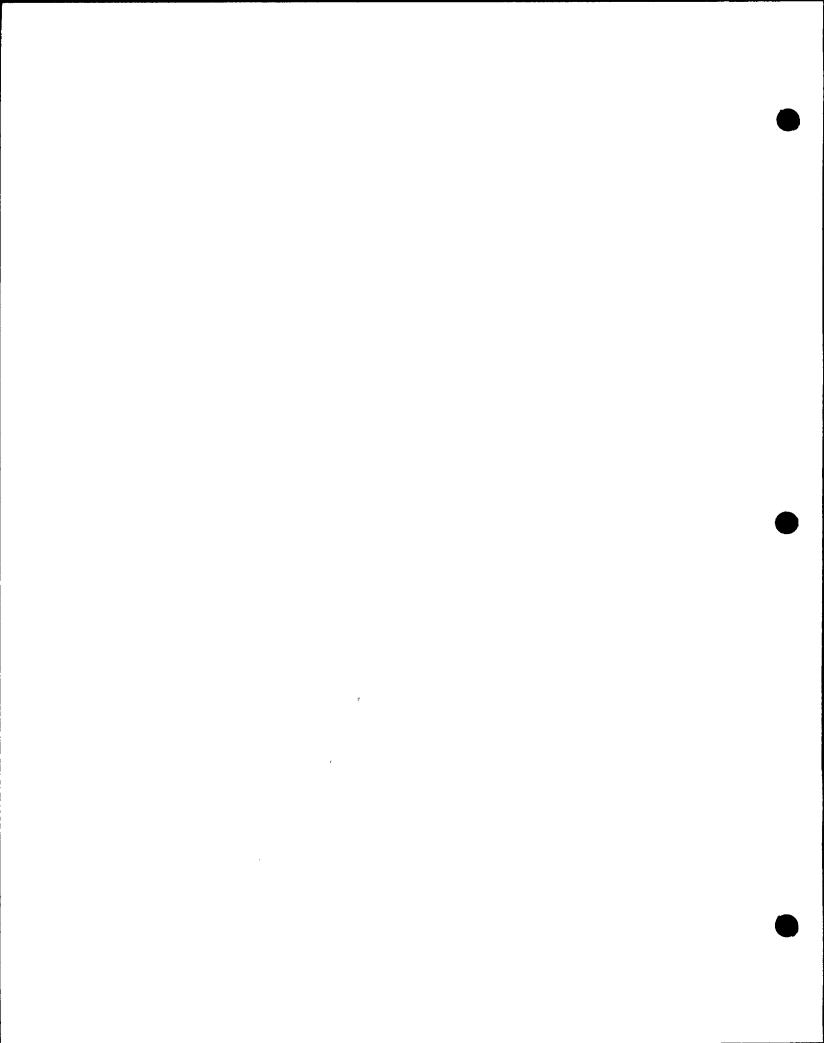




## DIABLO CANYON POWER PLANT - JNIT 2

**PGandE** 

PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  ITEM: STEAM GENERATORS (B-G)(B-H)(1.3) PAGE: 3 OF 4										
CATEGORY						20115	CORRECTIVE			
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)		REM	ARKS
B-G .	Steam Generators - Cont'd	[ 1.3-1 ]								
B-G-1	Pressure Retaining Bolting (Larger than 2" Dia.)		-	-				B-G-1 It applicat		t
B-G-2 B7.30	Pressure Retaining Bolting (2" Dia. and Less)	Channel Hd Manway Bolting		(128)						
	Steam Generator 2-1	No.1(to)No.16	VT VT	16 16	9/23/85			Inlet Outlet		1
	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		•
В-Н	Integrally Welded Vessel Supports									,
B8.30	Integrally Welded Supports								able. \ted by	not Vessel is integrally

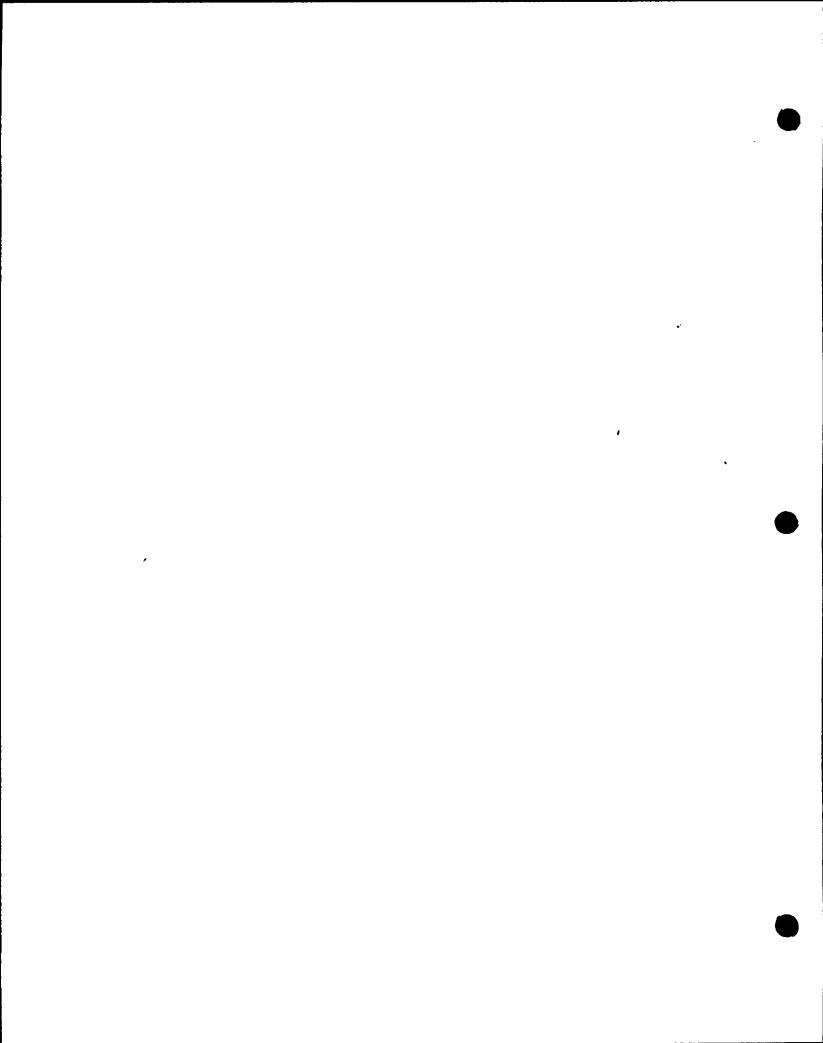




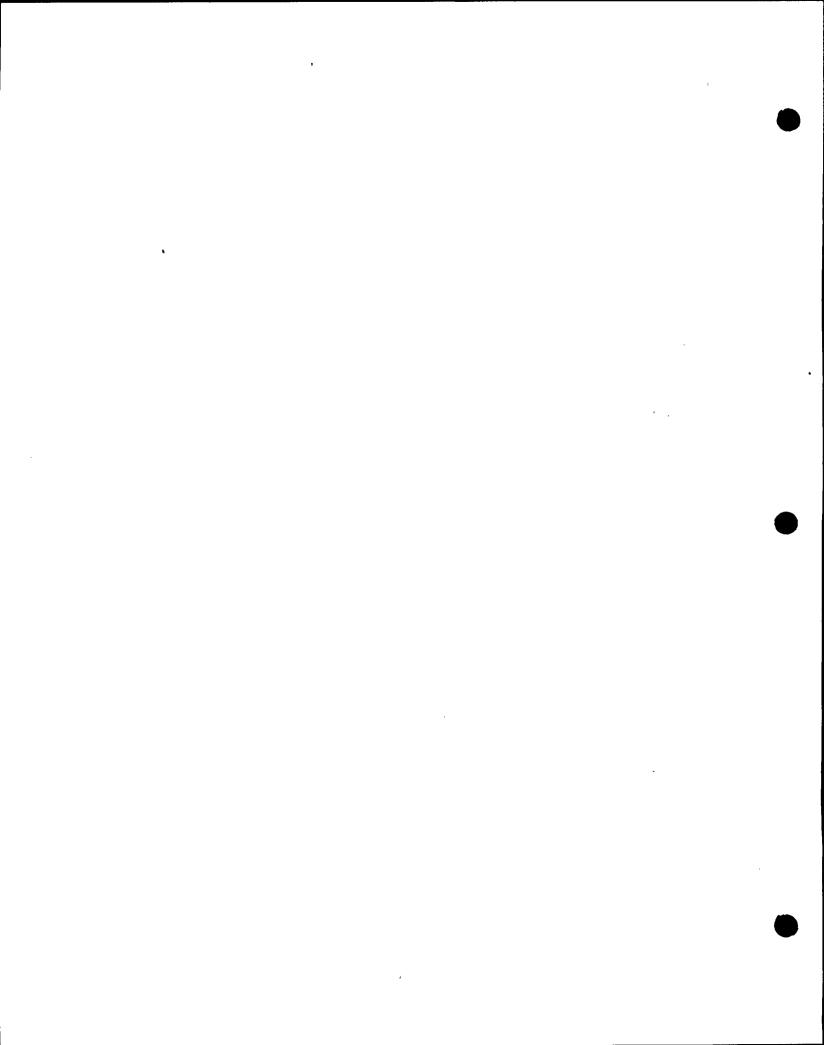


	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	ITEM: STE PAGE:	EAM GENERATORS (B-Q)(1.3)  4 OF 4					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	) REMARKS
	Steam Generator's - Cont'd	[1.3-1]						
B-Q*	Steam Generator Tubing	1						*B-Q and B16.20 as defined in S'78 addenda
	U-Tube Design	From Tube Map		13,552 Tubes				
B16.20*	Steam Generator (U-Tube Design)	Gen 2-1 Gen 2-2 Gen 2-3 Gen 2-4	ET ET ET ET	3,388 3,388 3,388 3,388	10-82 10-82 10-82 10-82			Reference Plant Technical Spec. 3/4.4.5 for inspection requirements.

END OF TABLE 1.3



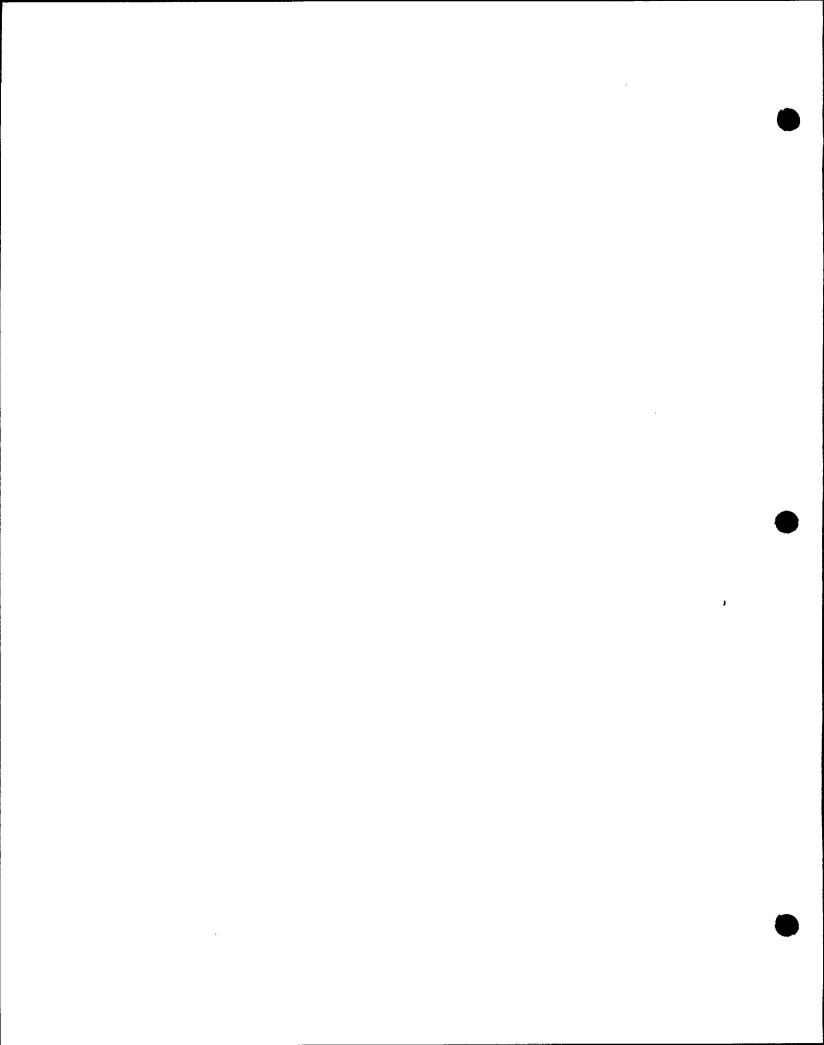
C.2. Piping







	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1		<del></del>		······································	<del></del>	ITEM: PIPING (S	S.E.) WELDS (B-F)(1.4) OF57
CATEGORY							CORRECTIVE	`
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE -	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-F,	Pressure Retaining Dissimiliar Metal Welds	Reactor Vessel Piping "Pup" is welded directly buttering. "Pup considered a bi	/ to RF o" to p	PV clad Dipe is	not		•	
B5.50	<u>Piping</u> -Safe End Welds	•					•	
	Reactor Vessel	•		(8)				
	Outlet Nozzle Loop 1 (RC2-1) [1.4-1]	Weld No.'s & Line No.'s 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.	Removed by Buf	fing 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			·
	<pre>Inlet Nozzle Loop 1 (RC2-1) [1.4-1]</pre>	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	11/15/77 11/17/77		E	fing NRI After Removal



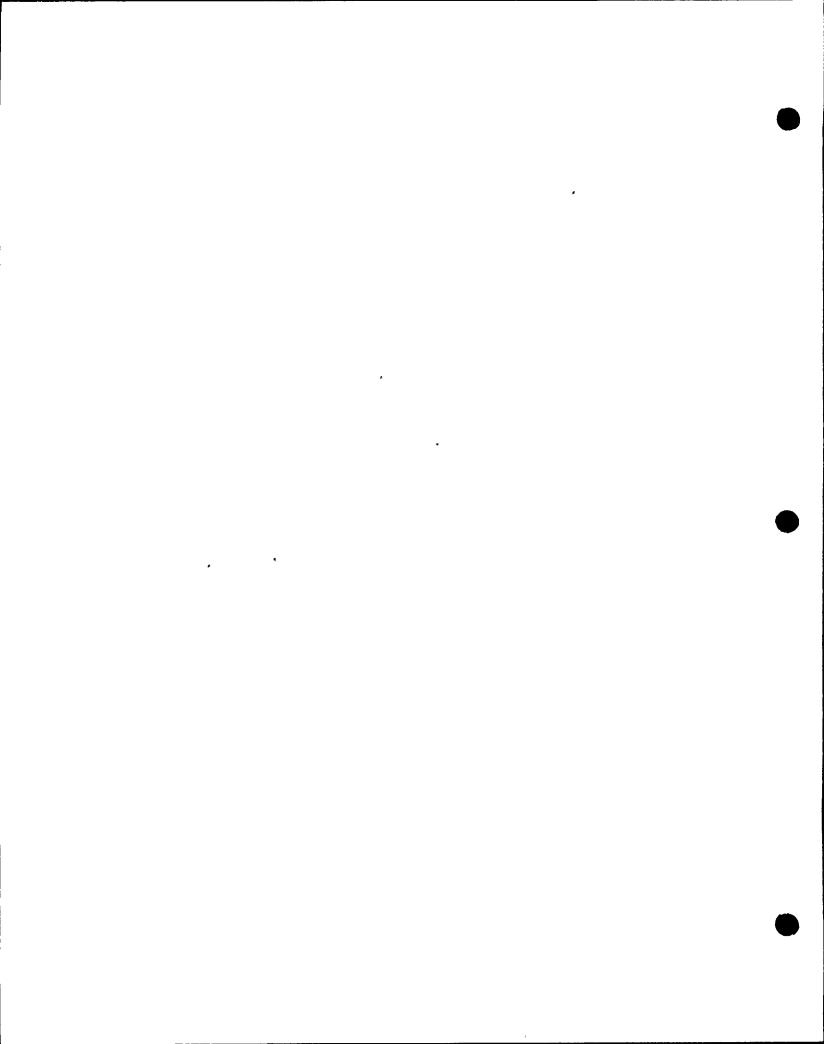




## DIABLO CANYON POWER PLANT

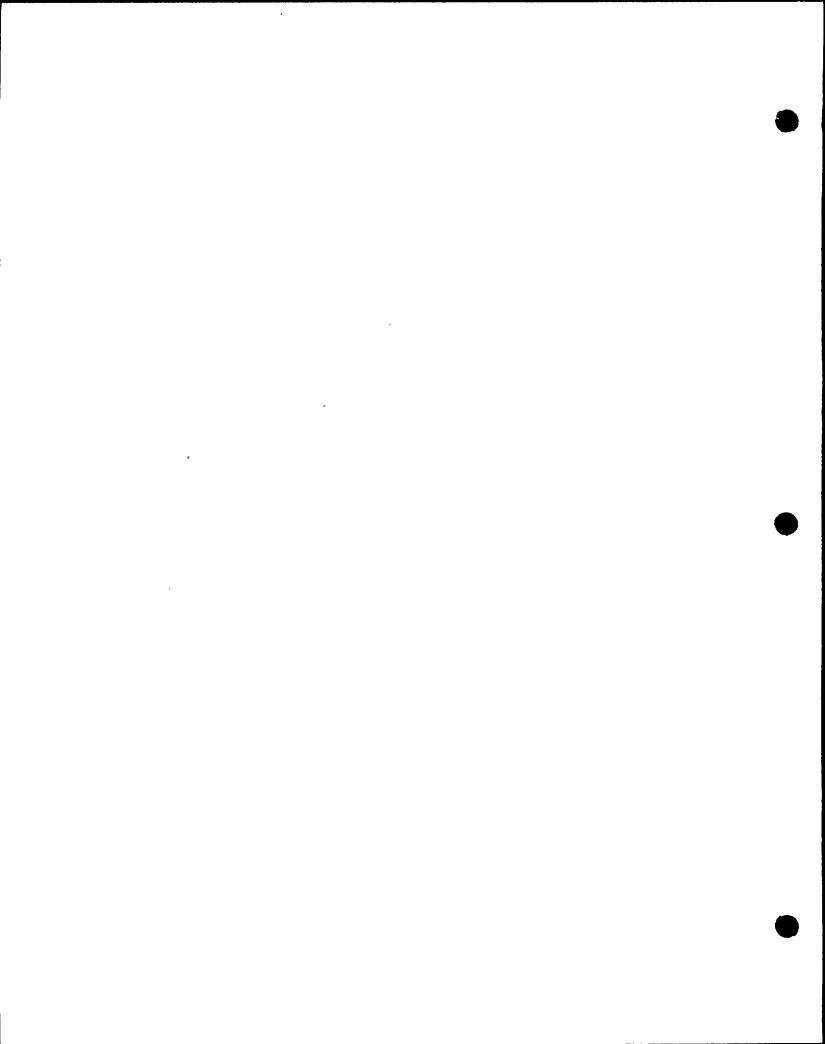
JNIT 2

	PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  ITEM: PIPING (S.E.) WELDS (B-F)(1.4 PAGE: 2 OF 57											
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS				
B-F	Pressure Retaining Dissimiliar Metal Welds	Weld No.'s Line No.'s										
B5.50	Inlet Nozzle Loop 4 (RC2-4) [1.4-4]	WIB-RC-4-16SE *12.27.5SPL	PT UT	1	11/19/76 12/5/77		~ ~ ~					



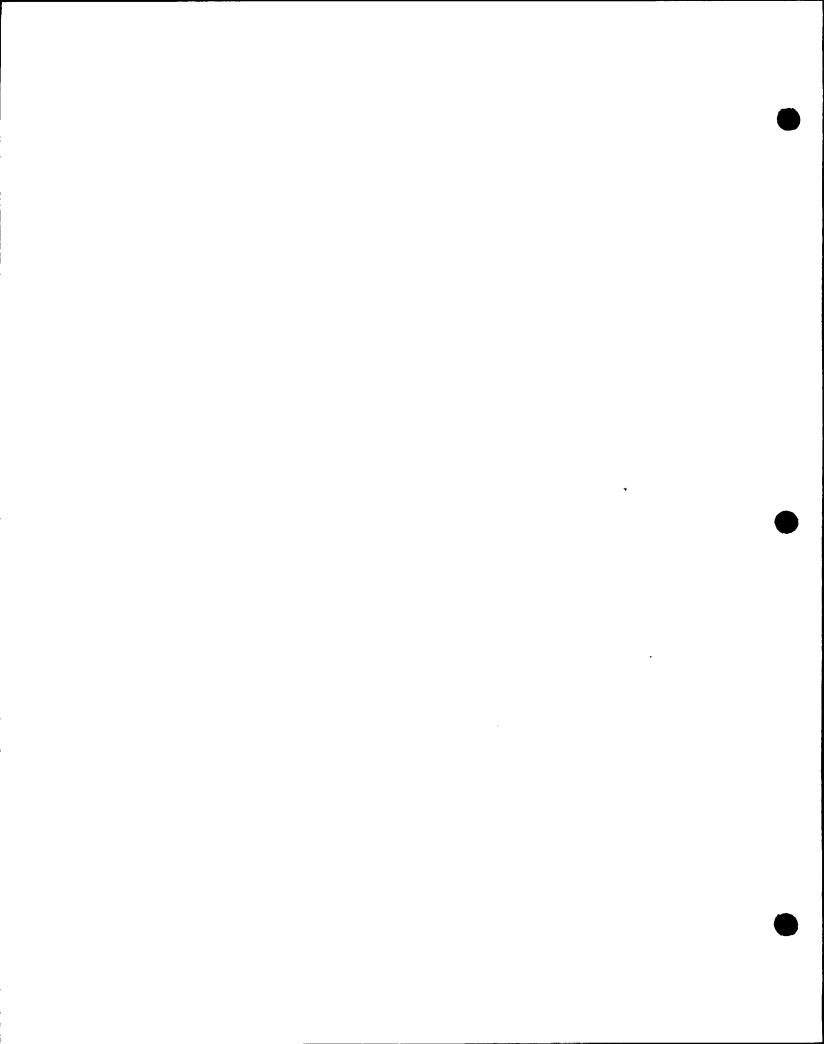


	ICE INSPECTION SUMMARY CTION XI SYSTEMS-CLASS 1		at.				ITEM: PIPING PAGE: 3	G (S.E.) WELDS (B-F)(1.4 OF 57
CATEGORY	Υ						CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-F , B5.50	Piping-Safe Ends, - Cont'd	Nozzle end reducer sections are 316 SS welded directly to nozzle. Reducer to pipe is not considered a Bi-metal weld joint						
(B5.20)	Pressurizer							
		Note B9.11 for system schedule continuation (Table 1.4 Page 10)					,	(Dan - Duogauniaan)
	•	Weld No.'s &					•	(Pzr = Pressurizer)
	Pzr RV-8010A, Inlet	Line No.'s WIB-369SE	PT	(6) 1	1/5/77			(Upper Head)
	(7-17) [1.4-19]	S6-729-6SPI	UT	1	12/14/76			
	Pzr RV-8010B, Inlet (7-19) [1.4-20]	WIB-423SE S6-728-6SPL	PT UT	1	12/14/76 12/16/76		an an an	
	Pzr RV-8010C, Inlet	WIB-359SE	PT	1	12/14/76			
	(7-18) [1.4-21]	S6-727-6SPL	UT	1	1/4/77			! •
	Pzr Power RV, Inlet	WIB-380SE	PT	1	12/14/76			•
	<b>(7-20)</b> [1.4-22]	S6-730-6SPL	UT	1	1/16/85			
	Pzr Spray Line	WIB-345SE	PΤ	1	12/14/76			
	(7-24) [1.4-26]	S6-15-4SPL	UT	1	12/16/76			
	Pzr Surge Line	WIB-439SE	PT	1	11/30/77			(Lower Head)
	(P445893) [1.4-5]	*16-14SPL	UT	1	1/9/85			





	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1			<del></del>		<del></del>	ITEM: PIPING PAGE: 4	G (S.E.) WELDS (B-F)(1.4) OF 57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND.	ORRECTIVE ACTION IF REQUIRED)	REMARKS
B-F B5.50	Piping - Safe Ends, Cont'd Steam Generator	NOTE: Stainless is welded	s steel d direc	piping	] Nozzle			
(B5.30)	Steam Generator 2-1	NOTE: See B4.5 continuate Weld No.'s & Line No.'s (2 per item)		stem so	chedule			
(65.50)	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</u> Inlet
	Reactor Coolant Pp Suct Loop 1 (RC2-1) [1.4-1]	WIB-RC-1-6SE *5-31SPL	PT UT	1	11/9/77 12/6/77	***		Outlet
	Steam Generator 2-2 Reactor Coolant A. Loop 2 (RC2-2)[1.4-2]	WIB-RC-2-5SE *2-29SPL	PT UT	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	11/8/77 12/5/77			Outlet .
	Steam Generator 2-3 Reactor Coolant Out Loop 3 (RC2-3)[1.4-3]	WIB-RC-3-5SE *3-29SPL	PT UT	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	3/21/78 2/2/78	Linear Surface Indicatio	NRI After Removal	Outlet
	Steam Generator 2-4 Reactor Coolant Out Loop 4 (RC2-4)[1.4-4]	WIB-RC-4-5SE *4-29SPL	PT UT	1	11/9/77 11/29/77			Inlet

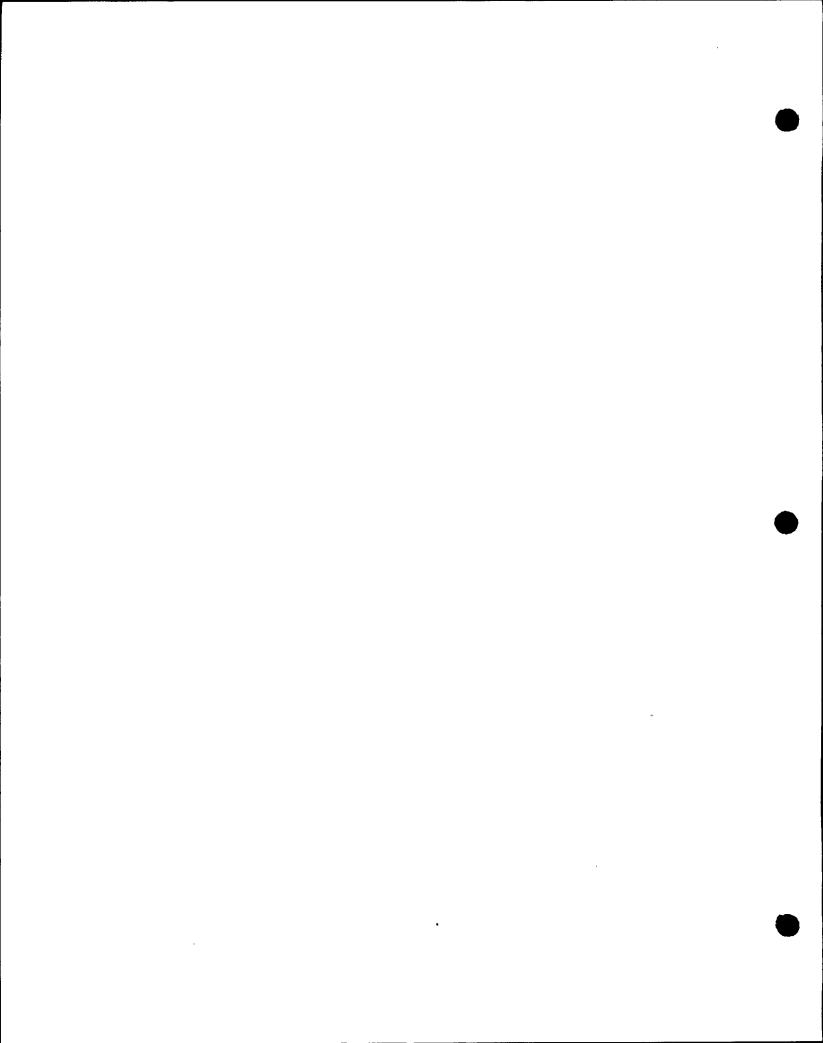






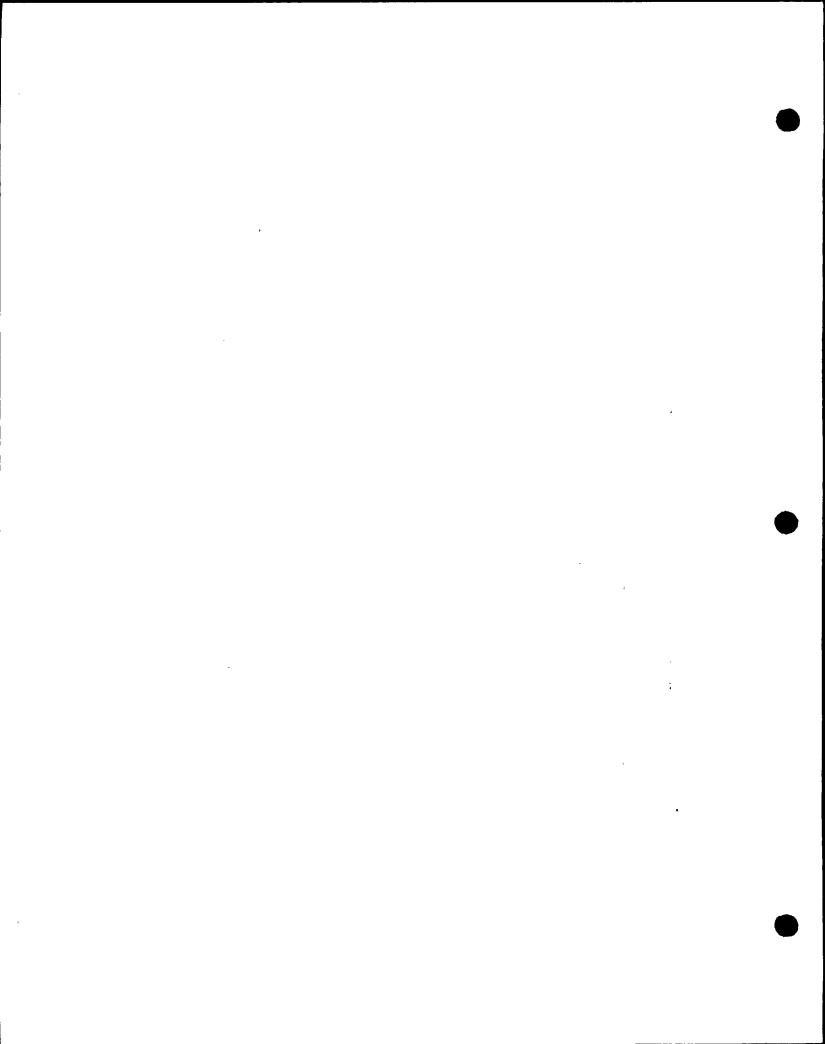
## DIABLO CANYON POWER PLANT - UNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1					<del></del>	ITEM: PIPING PAGE: 5	(S.E.) WELDS (B-F)(1.4) OF57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-F B5.50	Piping-Safe Ends, Cont'd Steam Generator	<u>rs</u>						
(B5.30)	Reactor Coolant Pp Suct Loop 4(RC2-4)	Weld No. <u>&amp; Line No.</u> WIB-RC-4-6SE *8-31SPI	PT IIT	1	11/8/77			Outlet



DIABLO CANYON POWER PLANT - JNIT 2

	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						PAGE: PIPING 6	BOLTING (B-G)(1.4) OF57
CATEGORY		GENERAL	NDE			COND.	ORRECTIVE ACTION	DEMARKS
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	ME.TH	ITEMS	DATE	NOTED (	IF REQUIRED)	REMARKS
B-G.	<u>Piping</u> - Cont'd	-						
B-G-1	Pressure Retaining Bolting (Larger than 2 In. Dia)		-	-				B-G-1 Items not applicable
B-G-2	Pressure Retaining Bolting (2 In. Dia. & Less)	Line No.						
B7.50	3 Inch Diameter Pipe	& Flange. No.						
	Loop 1 Hot Leg RTD Conn (7-13) [1.4-27]	S6-1141-3SPL 2-FE-499A	۷Τ .	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	50 50 50 60 50 50		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

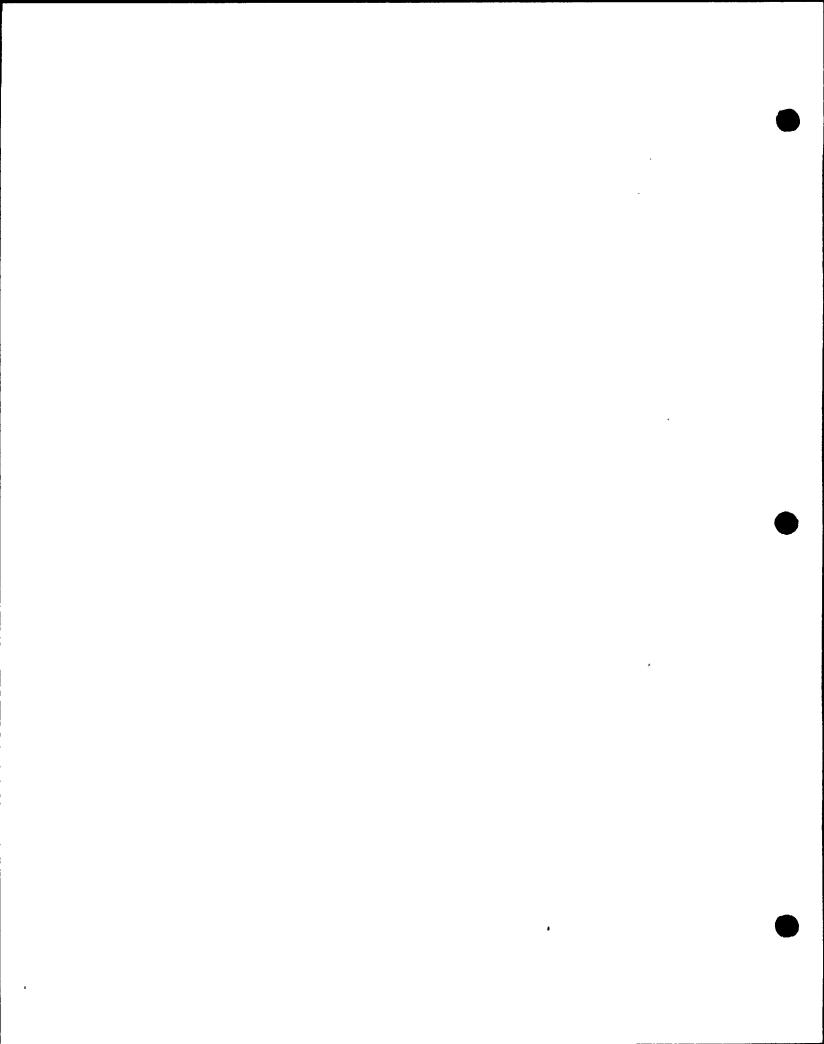






PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1	ITEM: PIPING BOLTING (B-G)(1.4) PAGE: 7 OF 57
CATECODY	CORRECTIVE

ASIL SECT	TON VI 2121EM2-CEN22 I					rade	
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EXAM ITEMS DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED	) REMARKS
B-G-2	Piping - Cont'd						Flange Between
B7.50	Bolting - Cont'd	Line No.				<b>;</b>	Welds Number
	2 In. Dia. Pipe Loop 1 Cold Leg RTD Conn (7-441) [1.4-55]	& Flange No. S6-1140-2SPL REMARKS	VT	8 studs 1/30, & 16	/85 		WIB-981/WIB-982
	Loop 2 Cold Leg RTD Conn (7-452) [1.4-56]	S6-1146-2SPL REMARKS	VT	nuts 8 studs 1/30, & 16	/85 		WIB-1003/WIB-1004
	Loop 3 Cold Leg RTD Conn (7-447) [1.4-57]	S6-1152-2SPL REMARKS	VT	nuts 8 studs 1/30, & 16 nuts	/85 		WIB-1022/WIB-1023
	Loop 4 Cold Leg RTD Conn (7-446) [1.4-58]	S6-1159-2SPL REMARKS	VT	8 studs 1/30, & 16 nuts	/85 		WIB-1036/WIB-1037
	1.5 In. Dia. Pipe	After 2x1.5 Rec	l			•	
	Reac Cool Pp 1 Seal Wt In(8-599) [1.4-40]	r S6-54-1.5 REMARKS	VT	4 studs 1/2 & 8 nuts	9/85		WIB-842/WIB-843
	Reac Cool Pp 2 Seal Wt In(8-602) [1.4-41]	r S6-5398-1.5 REMARKS	VT	4 studs 1/3 & 8 nuts Each	0/85		Two Flanges WIB-857/WIB-858A and WIB-858S/WIB-858T
	Reac Cool Pp 3 Seal Wt In(8-597) [1.4-42]	r S6-56-1.5 REMARKS	VT	4 studs 1/3 & 8 nuts	1/85		WIB-869/WIB-870A
	Reac Cool Pp 4 Seal Wt In(8-598) [1.4-43]	r S6-57-1.5 REMARKS	VT	4 studs 1/3 & 8 nuts	0/85		WIB-882/WIB-883A

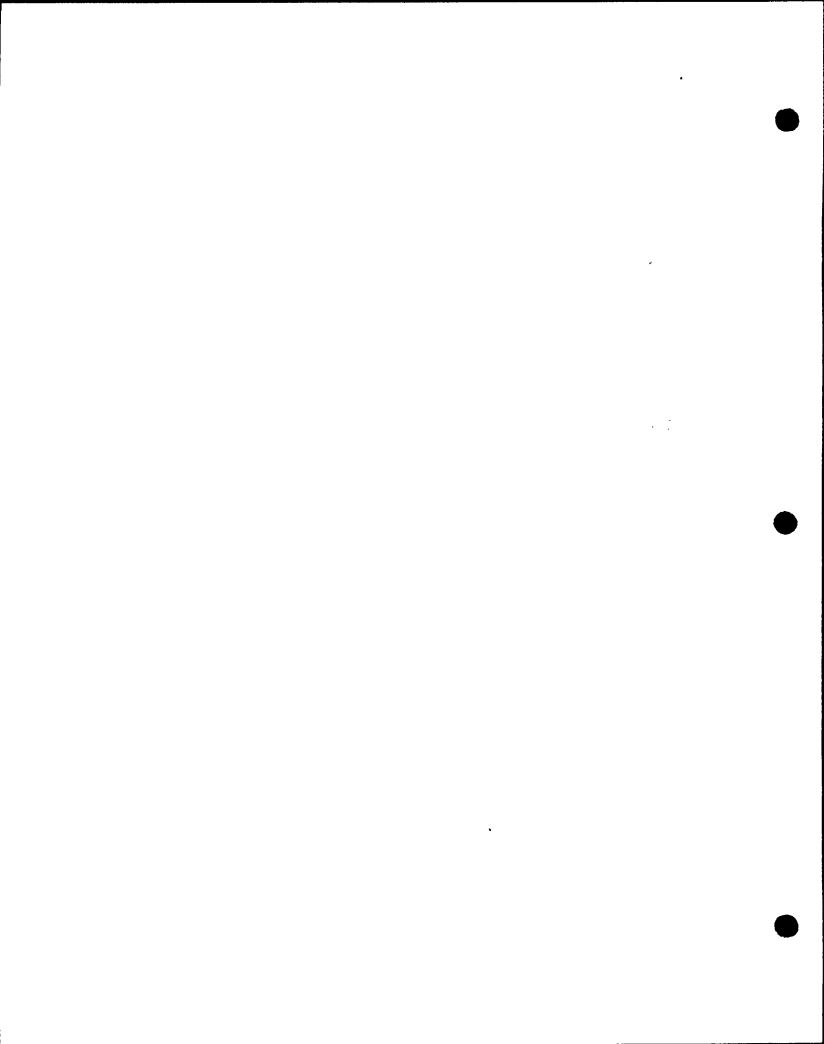




# DIABLO CANYON POWER PLANT

ONIT 2

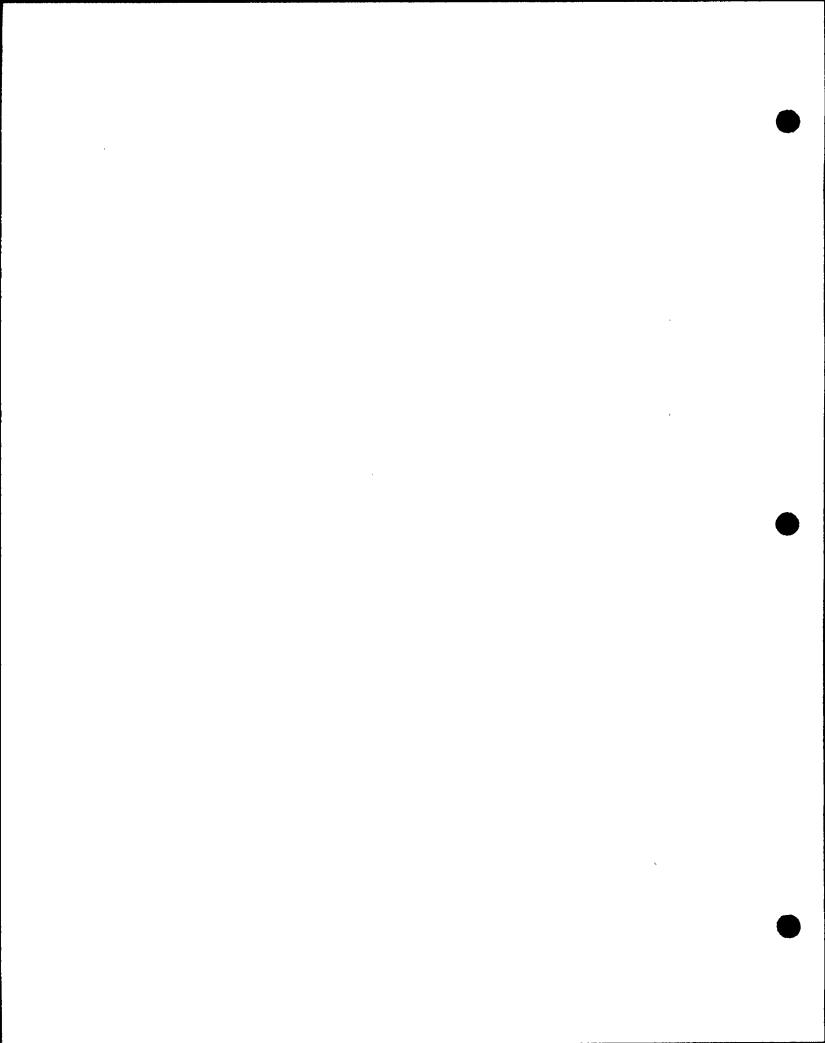
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	•					PAGE: PIPI	NG BOLTING (B-G)(1.4)  OF 57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH			COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G	<u>Piping</u> - Cont'd		•					
B7.50	Bolting - Cont'd	lima Nā						Flange Between
	1.5 In. Dia. Pipe	<u>Line Nó.</u> & Flange No.						Welds Number:
	Boron Inj Tk Out Loop 1 C.L. (9-436) [1.4-59]	S6-1191-1.5 2-FE-924	VΤ	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	<b></b>		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	<b>;</b>		WIB-695/WIB-696
•	Boron Inj Tk Out Loop 4 C.L. (9-439) [1.4-65]	S6-1194-1.5 2-FE-927	VΤ	4 studs & 8 nuts	1/25/85	5		WIB-763/WIB-764





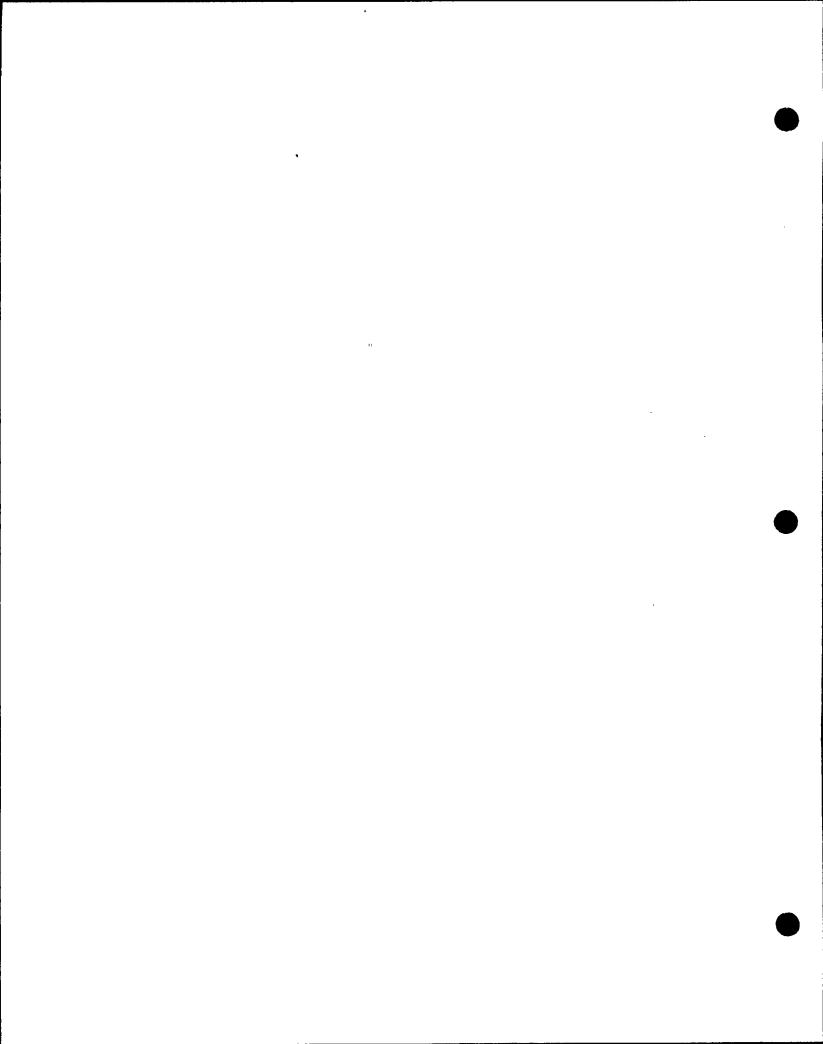


	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 1						ITEM: PI PAGE:	PING 9	WELDS OF	(B-J)(1.4) 57
CATEGORY		GENERAL	NDC	TOTAL	EVAN	COND.	CORRECTIVE ACTION	•		<del> </del>
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	NDE METH	ITEMS	EXAM Date	NOTED	(IF REQUIRE	ED)		REMARKS



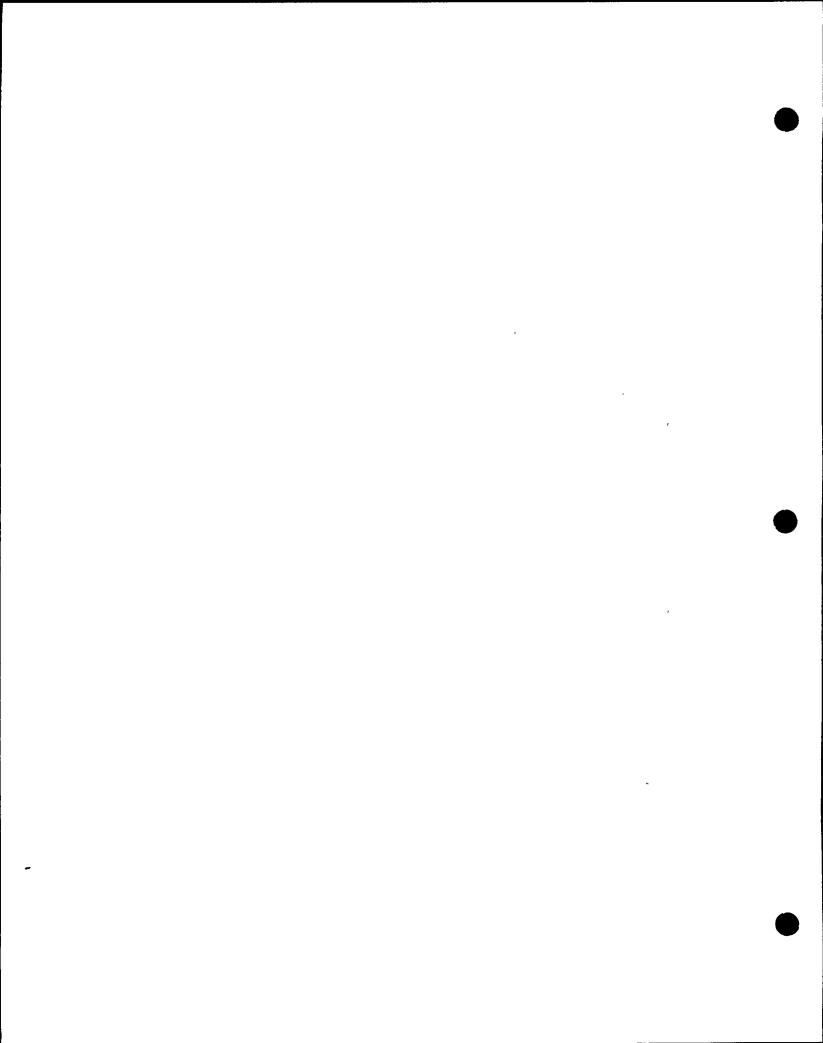


ASME SEC	CTION XI SYSTEMS-CLASS 1	•					PAGE:	PING WELDS LO OF	(B-J)(1.4) 57
CATEGORY	Υ	GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE		<del></del>
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	ACTION (IF REQUIRED		REMARKS
B-J	PRESSURE RETAINING WELDS IN PIPING							,	***************************************
B-J	<u>Piping</u> - Cont'd Nominal Pipe Size 4 In. & Greater								
B9.11	Circumferential Welds 31 In. Nom. Diameter	Line No. & ISI DWG No.							
B9.12	(Including Inter- secting Longitudinal Welds) Reactor Coolant Pp Suct Loop 1 (7-30)	*5-31SPL [1.4-1]	PT UT	(20) 5	11/8/77 12/6/77				**" in line no. indicates fabr. by Westinghouse
	Reactor Coolant Pp Suct Loop 2 (7-31)	*6-31SPL [1.4-2]	PT UT	5	11/8/77 2/2/78	WIB-RC- 1/16" L Indicat	.inear	 Removed by buffing	NRI After Removal
	•	One foot of each longitudinal weld was done at the intersection with the circumferential weld.	:h	,					,





	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1						ITEM: PIPING WE PAGE: 11 0	LDS (B-J)(1.4) F57
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 Circ. and Long'l Welds	3						
B9.11	31 In. Nom. Dia. Cont'	Line No. & d ISI DWG No.						
B9.12	Reactor Coolant Pp Suct Loop 3 (RC2-3)	*7-31SPL [1.4-3]	PT UT	5	11/8/77 11/30/77		-10-LSB Removed by surface buffing ations	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	## to to		

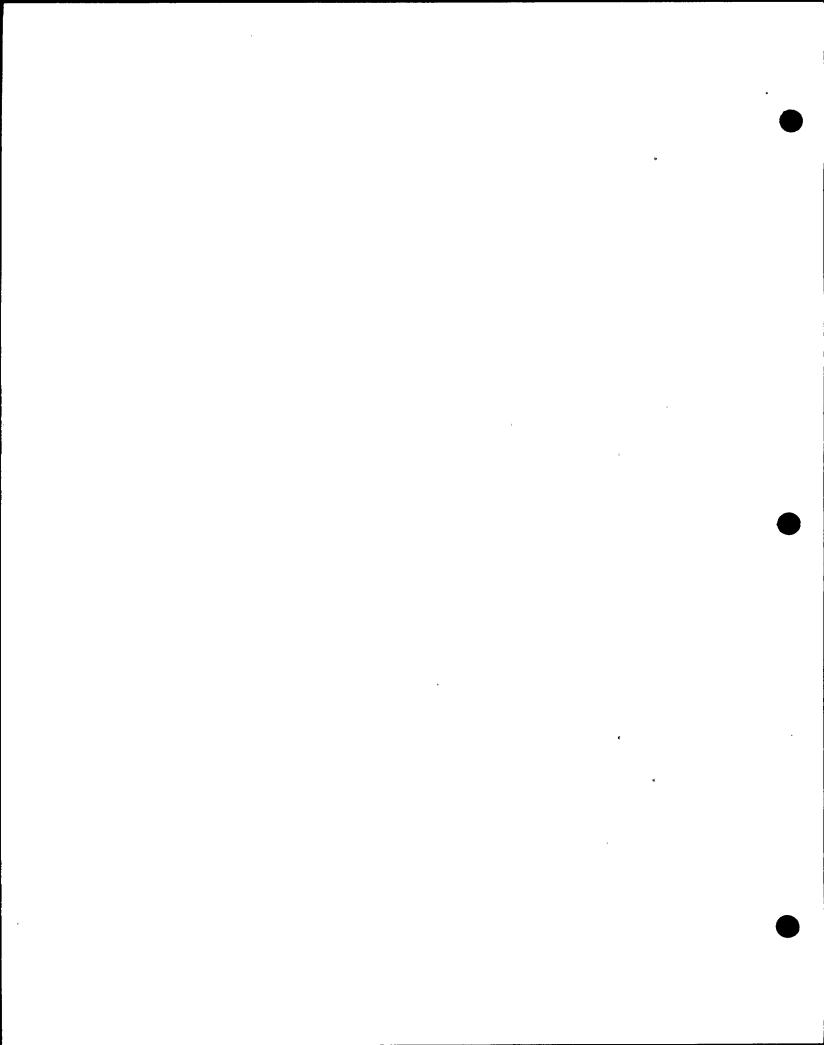






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	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1						ITEM: PIP	ING WELDS (B-J)(1.4) OF 57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	) REMARKS
3-J	Piping-Circ'l Cont'd (4 In. & greater)							·
39.11	Circumferential Welds 29 Inch Nom. Diameter	Line No. & ISI DWG. No.		(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		Removed by buffing NRI after removal	y 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
39.11	Circumferential Welds 27.5 In. Nom. Diameter	<u>.</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 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. II and OD surface indicat-	by buffing	WIB-RC-4-13 ID weld metal build up, NRI after repair
DC0508	28111					ions		

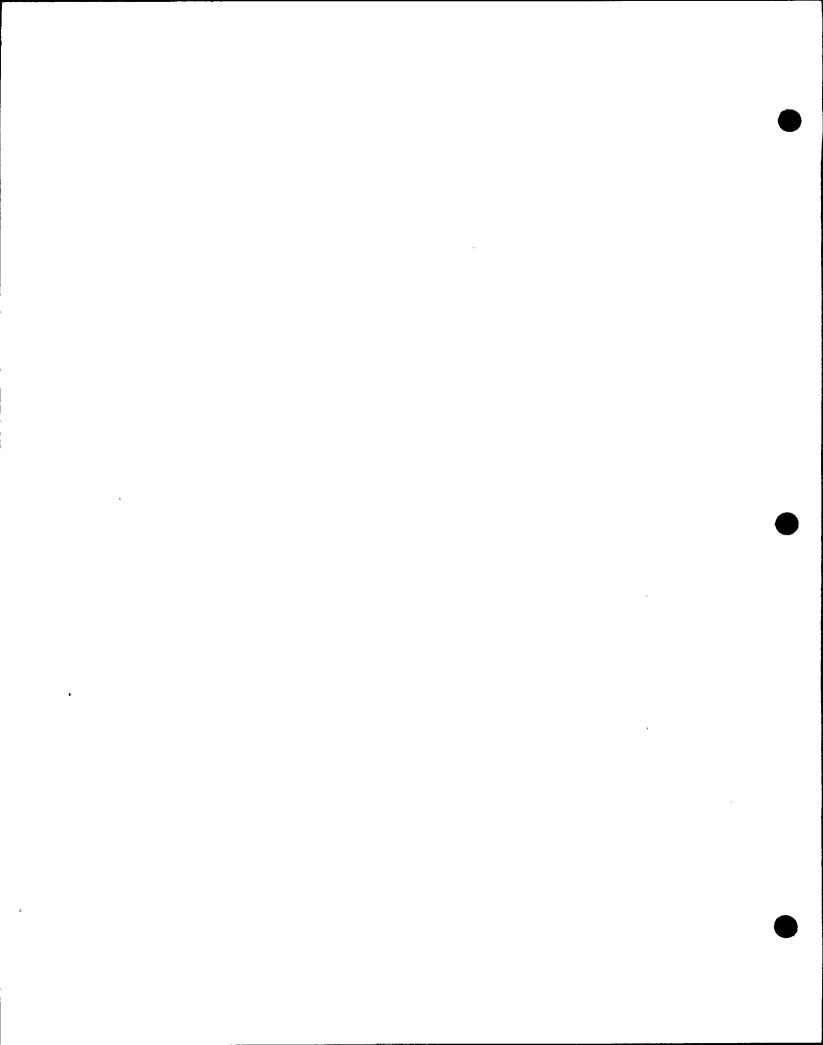






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	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						TEM: PIPIN AGE: 13	G WELDS (B-J) OF 57	(1.4)
CATEGORY							RRECTIVE		
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL	DATE	COND. NOTED (I	ACTION F REQUIRED)	REM	ARKS
B-J.	Piping - Circ'l Cont'd (4 In. & Greater)	<b>,</b>							
B9.11	Circumferential Welds 14 In. Nom. Diameter	Line No. & ISI DWG. No.		(28)		•			
	Pressurizer Surge Line (P445893)	*16-14SPL [1.4-5]	PT UT	9	8/18/76 11/16/76	00 00 ED			
	Hot Leg Recirc Before V-8702 (10-21,22)		PT UT	12	3/29/78 1/13/77	1/16" Surface Indication	by buffing	IRI after 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			•	
89.11	Circumferential Welds 10 In. Nom. Diameter			(36)			•		ļ
	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		NRI after olending	•
	Accumulator Injection Loop 2 (9-12)	S6-254-10SPL [1.4-7]	PT UT	10	1/12/77 1/25/77	Misc. surface Indication	buffing a	WIB-171 Weld all NRI after	



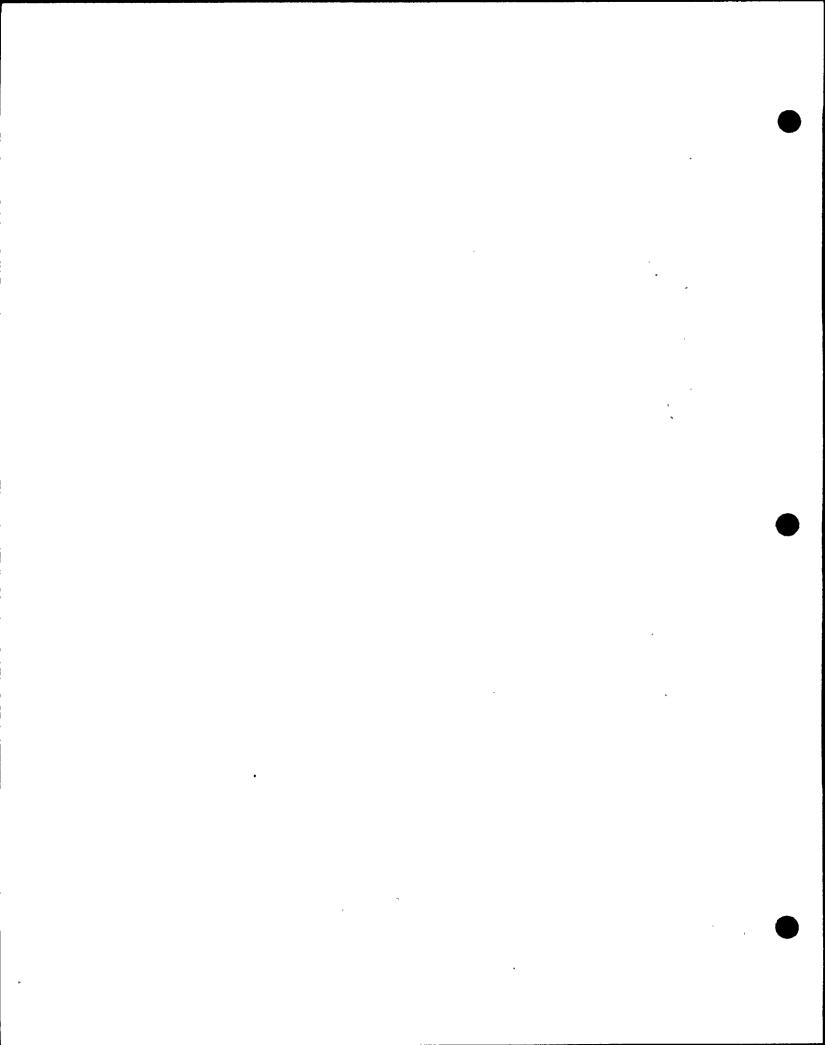






DIABLO CANYON POWER PLANT - UNIT 2

	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1							ELDS (B-J)(1.4) DF57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	Piping - Circ'l Cont'd (4 In. & Greater)	Line No. & ISI DWG No.						
39.11	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			*

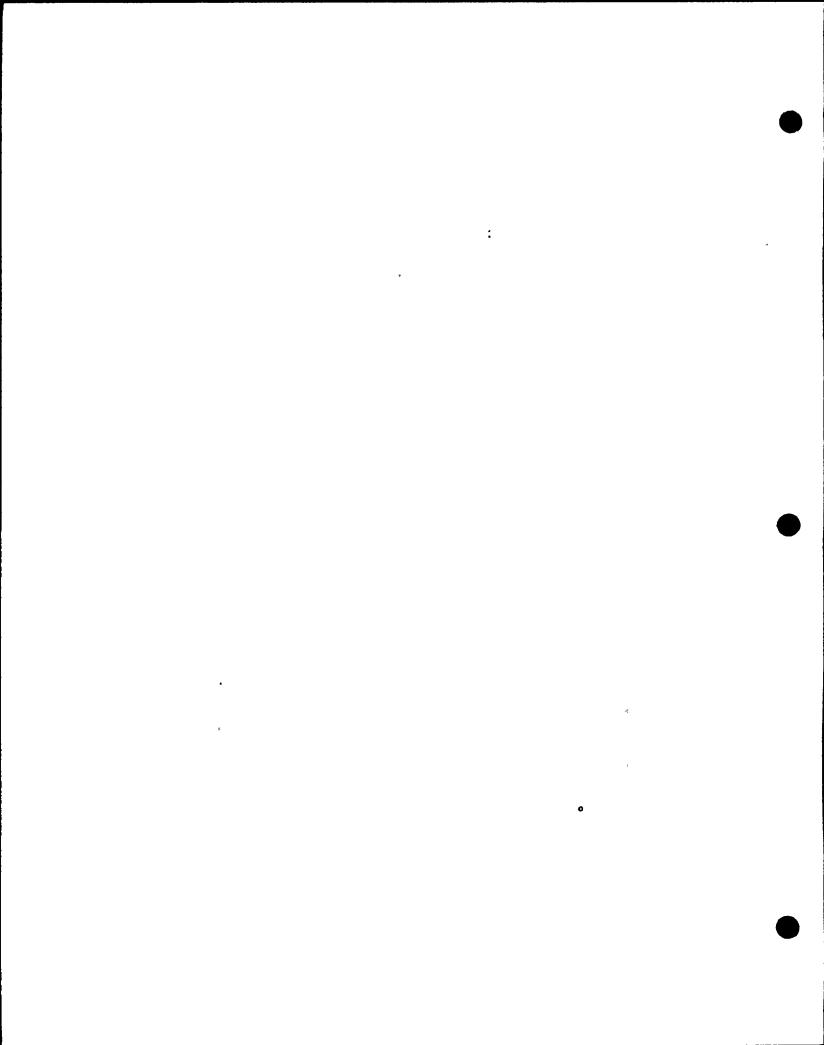






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PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1									PAGE: PIPING WELDS (B-J)(1.4) PAGE: 15 OF 57		
IPON	ONENT OR SYST	EM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND.	CORRECTIVE ACTION (IF REQUIRED)	REMARKS		
	ng - Circ'l C n. & Greater)				,		•				
	umferential W Nom Diamete		Line No. & ISI DWG No.		(11)						
	to RCS loop 1 (9-31A/449)	hot	\$6-2575-8 [1.4-11]	PT UT	5	8/18/76 1/24/77					
	to RCS loop 2 (9-31B/450)	? hot	\$6-2576-8 [1.4-12]	PT UT	6	1/11/77 1/13/77					
	umferential W . Nom Diamete				(114)						
	ty Inj. Loop .eg (10-17)	1	S6-235-6SPL+ [1.4-11]	PT UT	10	8/29/78 1/25/77	WIB-11 1/16" Surface Indicatio	Removed by buffing NRI after removal	SI(T0)1-29SPL		
	ty Inj. Loop .eg (10-18)	2	S6-236-6SPL+ [1.4-12]	PT UT	12	12/16/76 1/3/77	;		SI(T0)2-29SPL		
	ty Inj. Loop .eg (9-33)	3	S6-237-6SPL+ [1.4-13]	PT UT	11	12/15/76 1/4/77	5		SI(T0)3-29SPL		
	ty Inj. Loop .eg (7-4)(9-3		S6-238-6SPL+ [1.4-14]	PT UT	8	1/12/77 1/13/77			SI(TO) RHR S6-109-14SPL		
fety t Le fety t Le	ty Inj. Loop Leg (10-18) ty Inj. Loop Leg (9-33) ty Inj. Loop	3	S6-236-6SPL+ [1.4-12] S6-237-6SPL+ [1.4-13] S6-238-6SPL+	PT UT PT UT	11	12/16/76 1/3/77 12/15/76 1/4/77 1/12/77	Surface Indicatio	after removal	SI(TO SI(TO SI(TO		

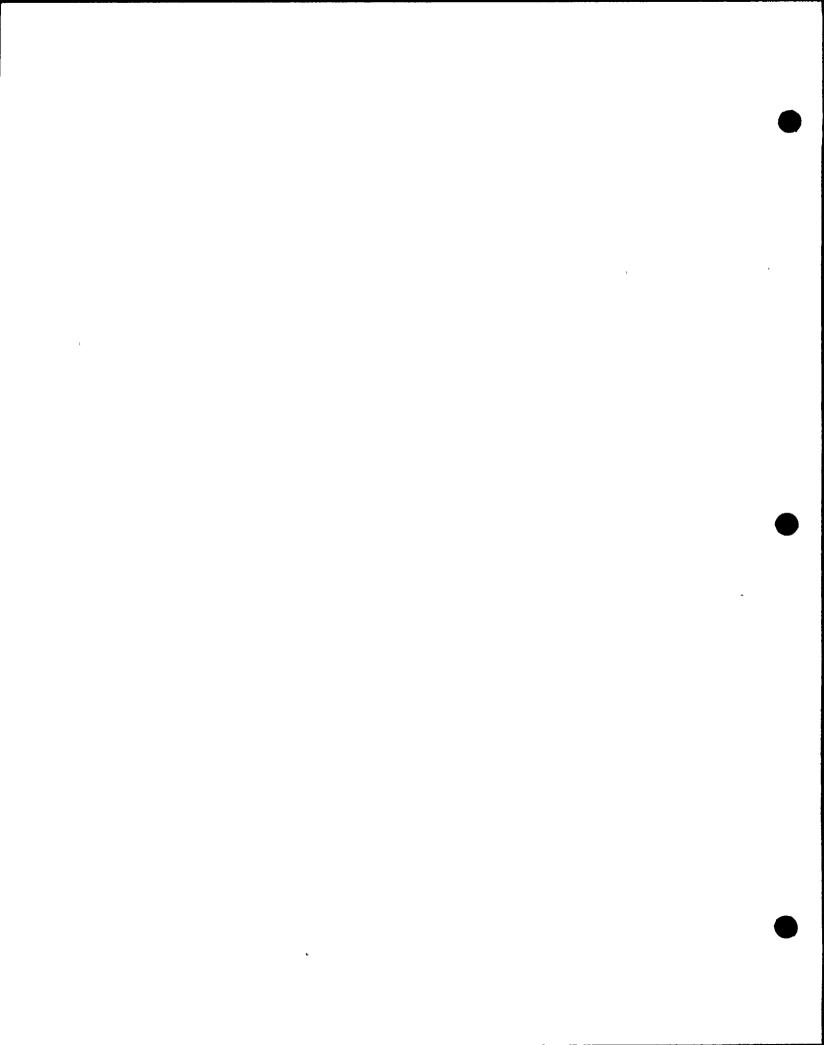








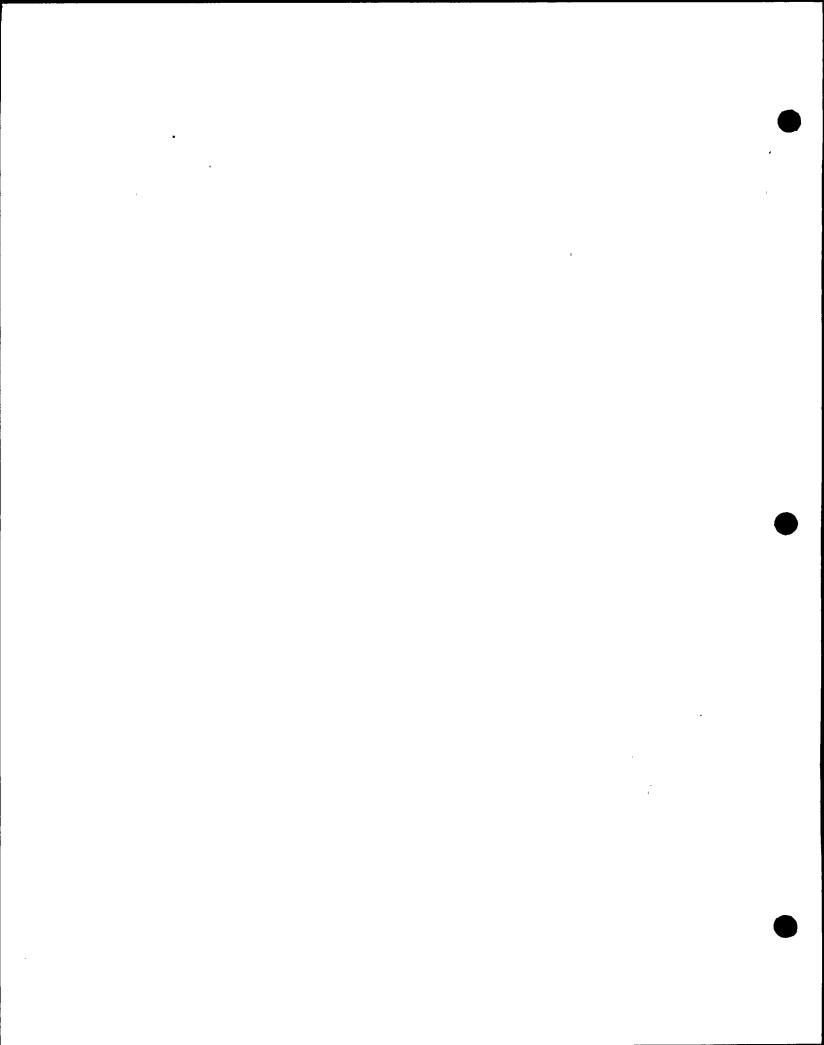
	PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  PAGE: 16 OF 57										
CATEGORY		0545041	NDE	TOTAL	CVAM		CORRECTIVE				
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS			
B-J	Piping - Circ'l Cont'd (4 In. & Greater)										
B9.11	6 In. Nom Diameter, Cont'd	Line No. & ISI DWG No.									
	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-2010 Surface Indicati	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 Indicati	Removed by buffing ons	NRI after removal			
	Pressurizer Inlet RV-8010A (7-17)	S6-729-6SPL+ [1.4-19]	PT UT	8	12/14/76 1/5/77	; <del></del>		•			
	Pressurizer Inlet RV-8010B (7-19)	S6-728-6SPL+ [1.4-20]	PT UT	8	12/14/76 1/4/77	5		1			
	Pressurizer Inlet RV-8010C (7-18)	S6-727-6SPL+ [1.4-21]	PT UT	8	12/14/76 1/4/77	5					







	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	PAGE: PIPING WELDS (B-J)(1.4) PAGE: 17 OF 57						
CATEGORY		A.T. I. T. I.		<b>TOTAL</b>	FVAN		ORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED (	ACTION (IF REQUIRED)	REMARKS
B-J,	Piping - Circ'l Cont'd (4 In. & Greater)			•				
<b>B9.11</b>	6 In. Nom Diameter, Cont'd	Line No. & ISI DWG No.						
	Pressurizer Power R.V. (7-20)	S6-730-6SPL [1.4-22]	PT UT	11	12/14/76 1/13/77	WIB-391 Surface Indicatio	Removed by Filing on	NRI after removal
B9.11	Circumferential Welds 4 In. Nom. Diameter			(86)				
	Pressurizer RV PCV-455C (Inlet)(7-20)	S6-4081-4SPL [1.4-22]	PT UT	4	1/12/77 1/25/77	er en en		Loop 1
	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	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 indicati	Removed by buffing NRI on after repair	Spray to Pzr from S6-13-4 and S6-14-4

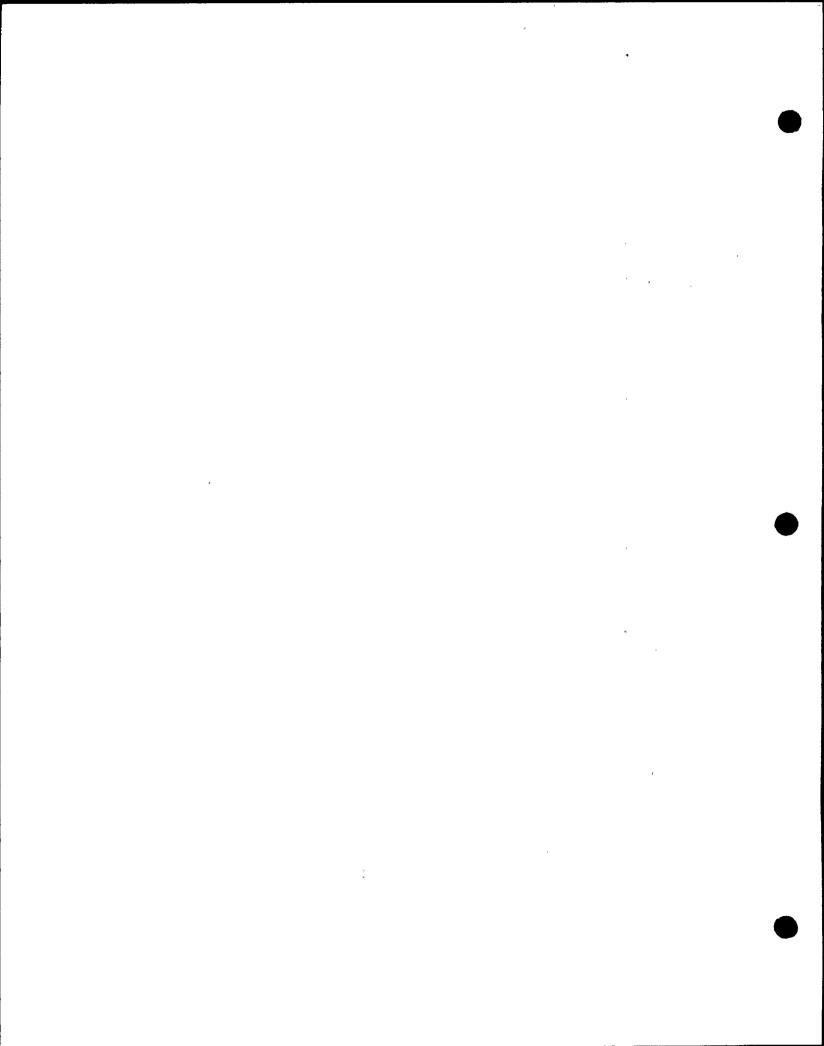




# DIABLO CANYON POWER PLANT UNIT 2

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	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						TEM: PIPIN PAGE: 18	G WELDS (B-J)(1.4) OF57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND.	ORRECTIVE ACTION (F REQUIRED)	REMARKS
B-J	Piping - Circ'l Cont'd (Less Than 4 In. Dia.)		· · · · · · · · · · · · · · · · · · ·			-		
B9.21	Circumferential Welds 3 In. Nom Diameter	Line No. & ISI DWG. No.		(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			<b>@V-8073A To Junction</b> S6-1141-3SPL
	Loop 1 Cold Leg RTD Conn (7-13)	S6-3798-3SPL [1.4-27]	PT	2	9/22/76			QV-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			<pre>@V-8075B To Junction S6-1147-3SPL</pre>
	Loop 2 RTD Manifold Ret Hdr (7-25)	S6-1147-3SPL [1.4-28]	PT	9	9/21/76	WIB-125 1/16"long Indicatio		To Crossover From Junction 3489-3/3799-3

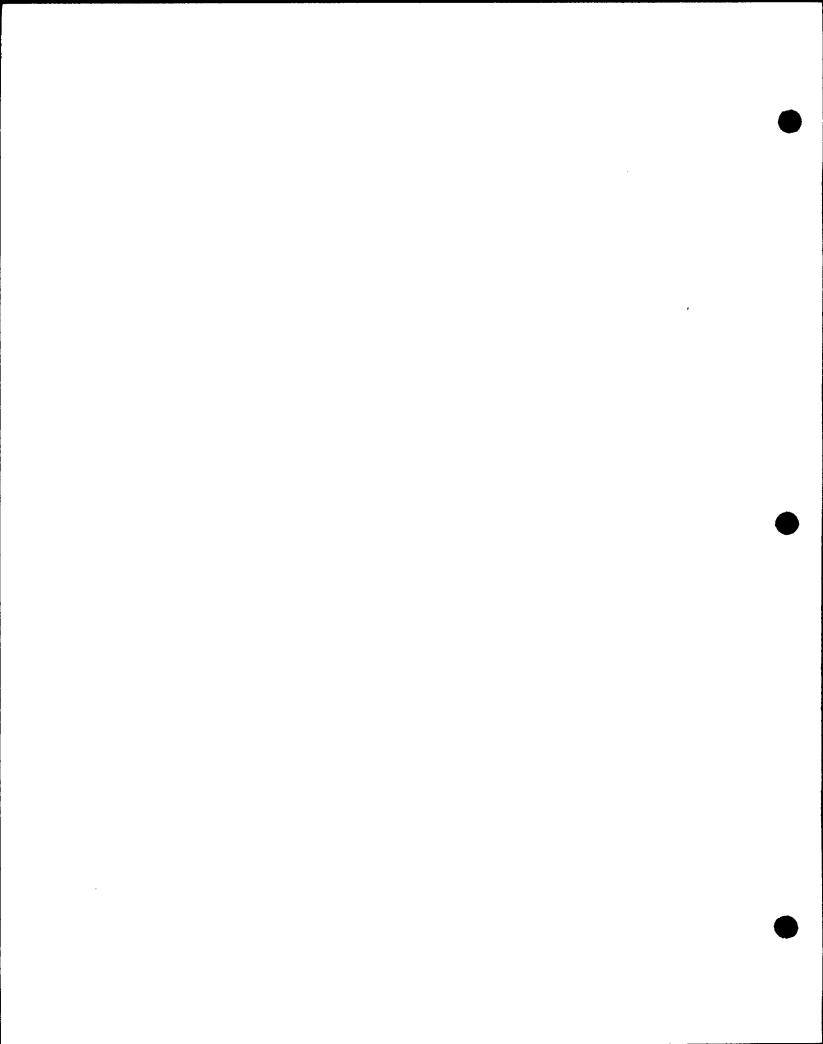






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PIPING WELDS (B-J)(1.4) PRESERVICE INSPECTION SUMMARY ITEM: PAGE: 19 ASME SECTION XI SYSTEMS-CLASS 1 0F 57 CORRECTIVE CATEGORY COND. **GENERAL** NDE TOTAL EXAM ACTION REMARKS NOTED (IF REQUIRED) ITEM COMPONENT OR SYSTEM IDENTIFICATION METH ITEMS DATE B-J Piping - Circ'l Cont'd (Less Than 4 In. Dia.) Line No. & B9.21 3 In. Nom Dia. Cont'd ISI DWG. No. @V-8073C To Junction Loop 3 Hot Leg RTD S6-3'495-3SPL PT 11 12/14/76 (7-15)[1.4-29]S6-1153-3SPL Conn @V-8075C To Junction PT 12/14/76 Loop 3 Cold Leg RTD S6-3800-3SPL 3 [1.4-29]S6-1153-3SPL (7-15)Conn Loop 3 RTD Manifold To Crossover From S6-1153-3SPL 12/14/76 PT 12 Junction 3495-3/3800-3 Ret Hdr (7-15)[1.4-29] **@V-8073D** To Junction Loop 4 Hot Leg RTD S6-3496-3SPL PT 7 12/15/76 (7-16)[1.4-30] S6-1158-3SPL Conn **@V-8075D** To Junction Loop 4 Cold Leg RTD S6-3801-3SPL 12/15/76 PT 2 S6-1158-3SPL (8-16)[1.4-30] Conn To Crossover From 12/15/76 Loop 4 RTD Manifold PT 15 S6-1158-3SPL Junction 3496-3/3801-3 Ret Hdr (7-16)[1.4-30] CVCS Normal Charging Charging Line Loop 4 S6-246-3SPL PT 1/12/77 7 (8-64)[1.4-31]



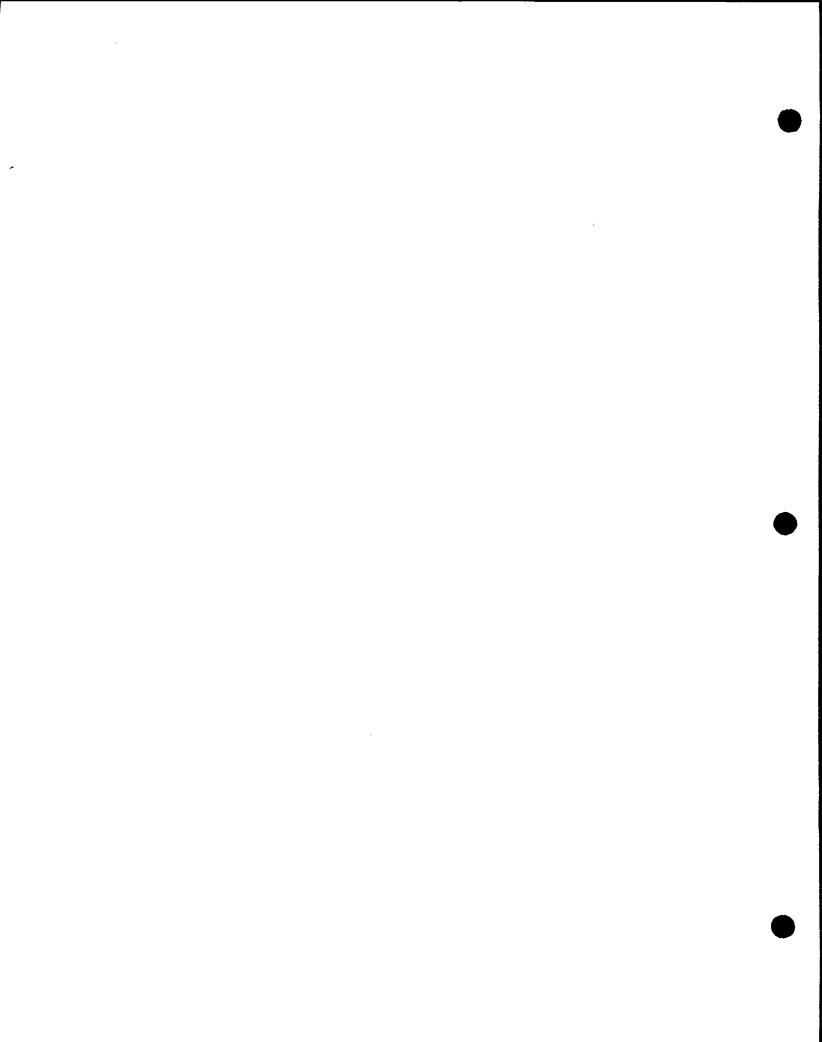






PIPING WELDS (B-J)(1.4) ITEM: PRESERVICE INSPECTION SUMMARY PAGE: ASME SECTION XI SYSTEMS-CLASS 1 20 0F CORRECTIVE CATEGORY **GENERAL** NDE TOTAL **EXAM** COND. ACTION (IF REQUIRED) **REMARKS** ITEM COMPONENT OR SYSTEM IDENTIFICATION METH ITEMS DATE NOTED B-J Piping - Circ'l Cont'd (Less Than 4 In. Dia.) Line No. & 3 In. Nom Dia. Cont'd ISI DWG. No. B9.21 CVCS Alternate Charging Line Loop 3 S6-50-3SPL PT 1/12/77 8 Charging (8-59)[1.4-35] Boron Inj Cold Leg S6-1016-3SPL 4 8/16/76 S6-1995-3SPL 1/12/77 (9-35)PT 8 Hdr [1.4-36] PT Removed by Letdown Line Loop 2 S6-24-3SPL 21 1/12/77 Misc. NRI after (7-14,15)Γ1.4-377 surface buffing removal [1.4-38] See p. 29 for Socket Indica-Welds @ LCV-459 tions Pressurizer Pwr RV PT 9 1/6/77 S6-1171-3SPL (7-25)[1.4-24]PCV474 Pressurizer Pwr RV S6-1172-3SPL 12/15/76 PΤ 9 PCV455C (7-25)[1.4-24]12/15/76 Pressurizer Pwr RV S6-1195-3SPL PT 11 [1.4-39] **PCV456** (7-26)

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



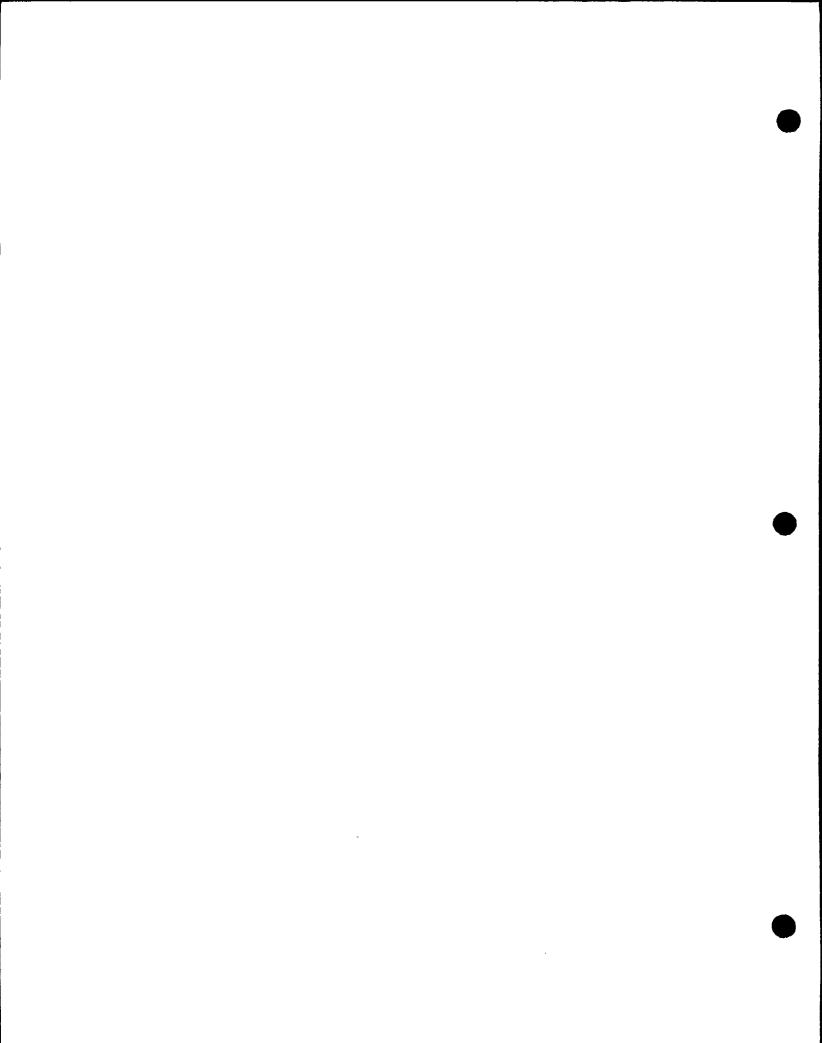






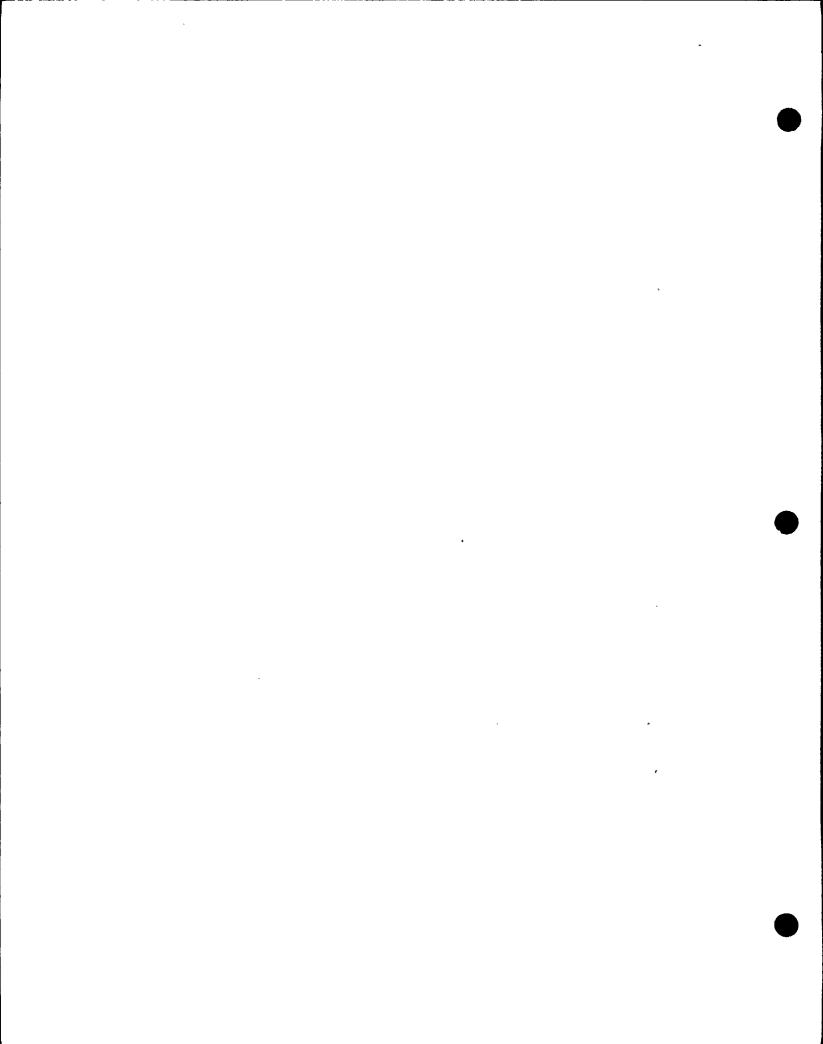
# DIABLO CANYON POWER PLANT - JNIT 2

CATEGORY	7	CORRECTIVE	t					
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM Date	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-J .	Piping - Cont'd (Less Than 4 Inch Diameter)						-	
B9.22	Longitudinal Welds		-	-				Items not Applicable There are no seamed pipes or fittings
					•			Note: 2 Inch line fittings are forged type 304 Stainless





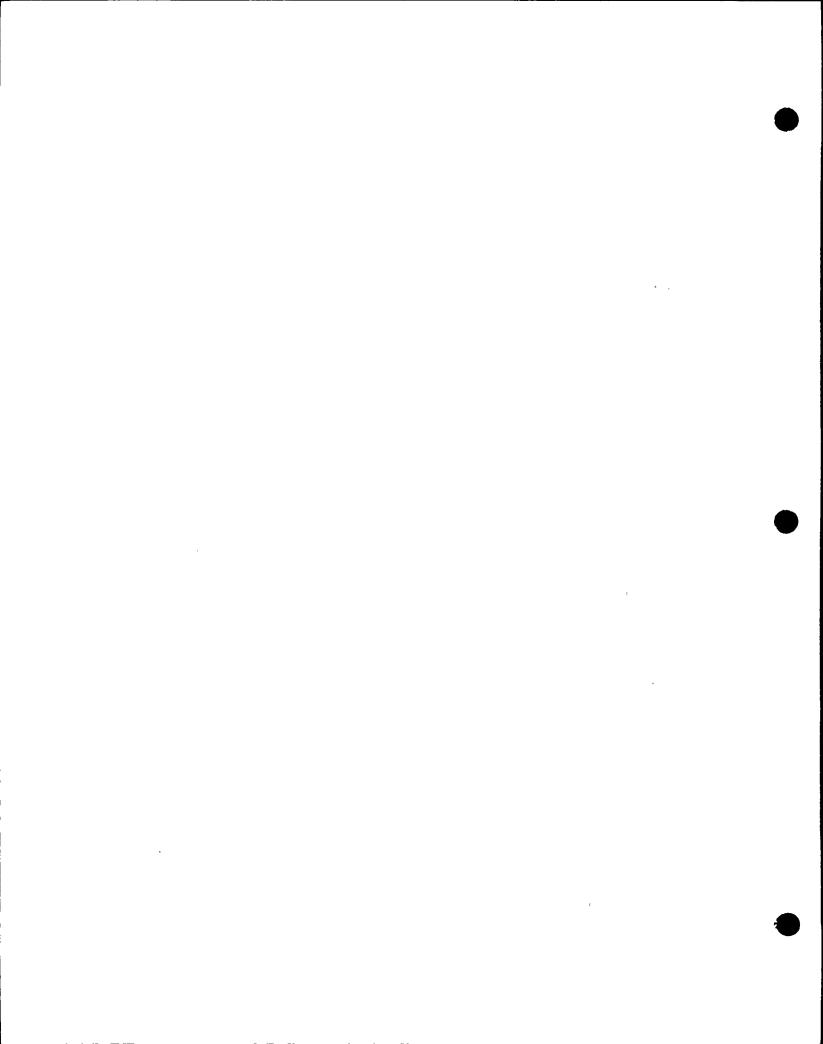
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						ITEM: _ PAGE:	PIPING 22	WELDS OF	(B-J) (1.4) 57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECT: ACTION (IF REQUI	١		REMARKS
B-J B9.30	Piping - Cont'd Branch Pipe Connection Welds (Nominal Pipe Size Greater Than 2 IN.)	Volumetric Exam extent possible with the basic ments of Append and Supplement	compl requir ix III	e-						
		Line No. & Branch Weld		(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		aa 100 m			
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					!
	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					1
	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	<b>~ - *</b>	~ <del>~</del>			





UNIT 2

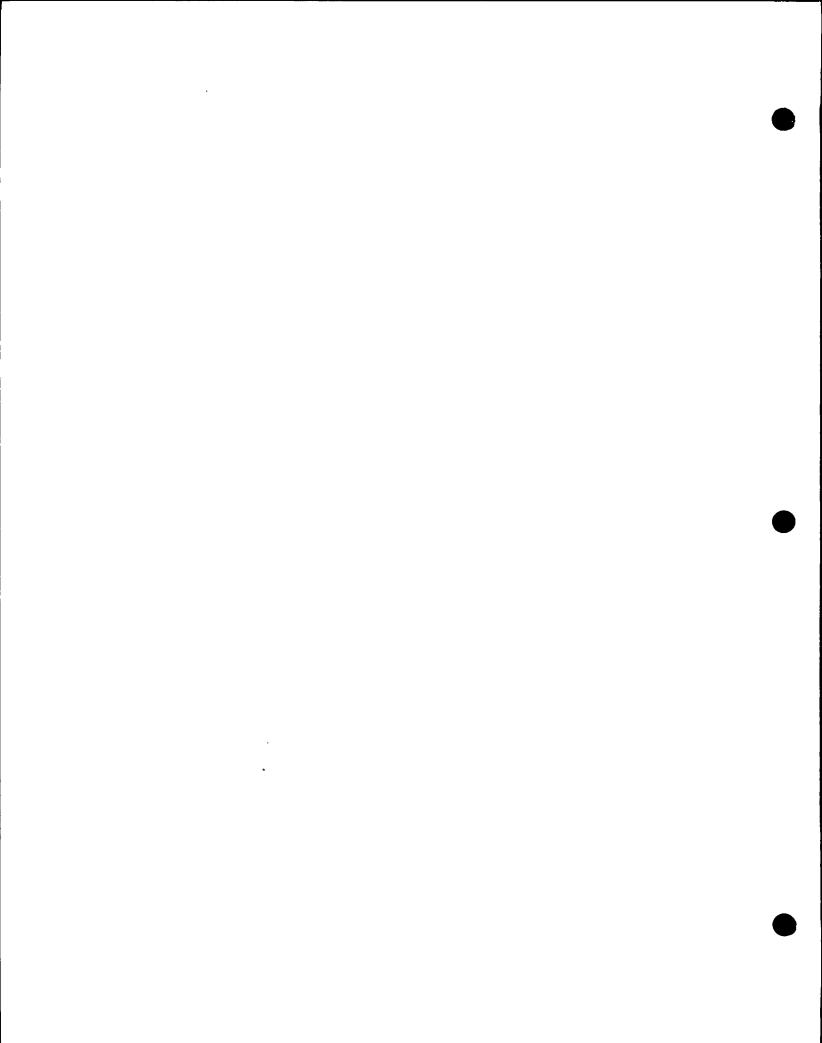
ITEM: PIPING WELDS (B-J) (1.4) PRESERVICE INSPECTION SUMMARY 23 OF 57 **PAGE** ASME SECTION XI SYSTEMS-CLASS 1 CORRECTIVE CATEGORY COND. **GENERAL** TOTAL **ACTION** NDE EXAM MOTED (IF REQUIRED) **REMARKS** IDENTIFICATION METH ITEMS DATE ITEM COMPONENT OR SYSTEM Piping - Cont'd B-J (Branch Welds Greater than 2 Inch Diameter) Line No. & (3) Branch Weld B9.31 6 In. Nom. Dia. Safety Inj.Loop 1 S6-235-6SPL PT 1 8/5/76 1/14/85 Hot Leg(9-31A,449) UT WIB-1 [1.4-1] [1.4-11]12/16/85 Safety Inj.Loop 2 S6-236-6SPL PT 1 1/12/85 Hot Leg (9-31A,450) WIB-105 UT [1.4-2][1.4-12]S6-237-6SPL 12/15/76 Safety Inj.Loop 3 PT 1 Hot Leg (9-35) WIB-232 UT 1/12/85 [1.4-3] [1.4-13] (2) B9.31 4 In. Nom. Dia. PT 1 1/25/77 S6-13-4SPL Loop 1 Spray Line UT 1/13/85 WIB-55 (7-12)[1.4-23] 1 PT 12/15/76 Loop 2 Spray Line S6-14-4SPL 1 UT 1/13/85 (7-5,6)WIB-RC-2-18 [1.4-2] [1.4-28]







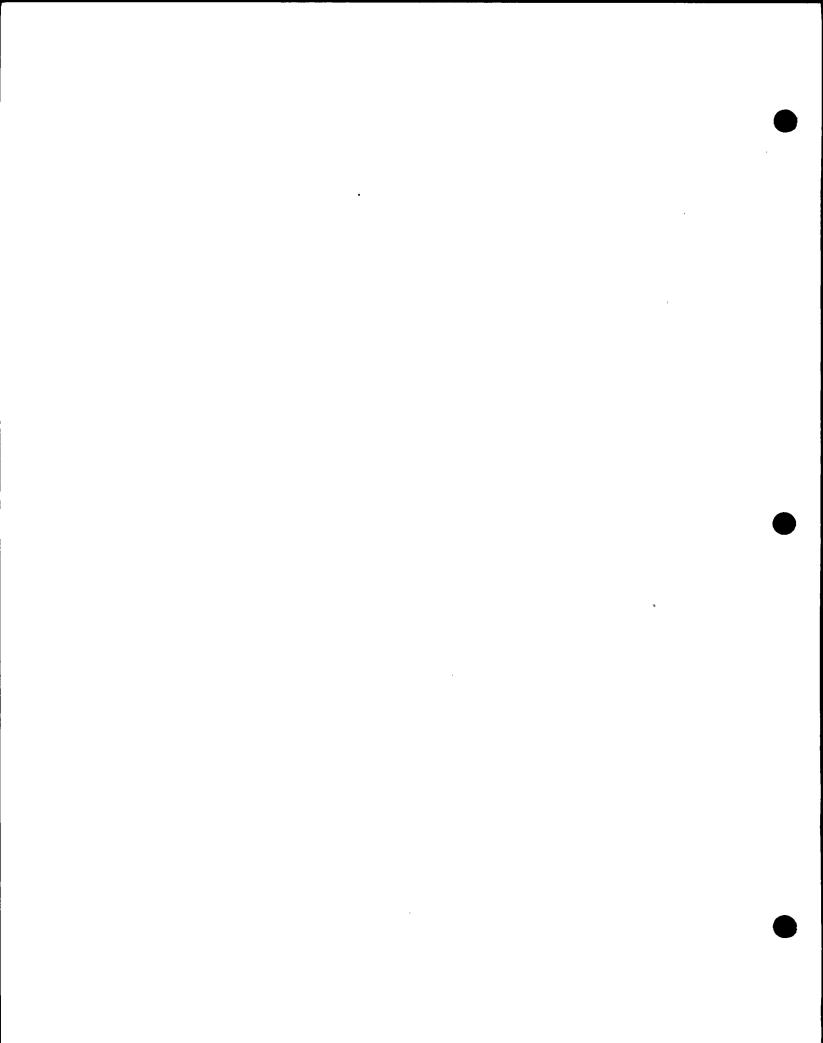
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	ITEM: PIPII PAGE 24	NG WELDS (B-J) (1.4) OF 57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	Piping - Cont'd (Branch Welds Greater than 2 Inch Diameter)			-			*	
B9.31	3 In. Nom. Dia.	Line No. & Branch Weld		(7)				
	Loop 1 RTD Manifold  Ret Hdr (7-13) S6-1141-3SPL PT 1 8/17/76 1/16"  [1.4-27] [1.4-1] WIB-17 As is	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	РТ	1	9/21/76			NOTE: Internal inconsistency in S'78 required branch welds
	Loop 3 RTD Manifold Ret Hdr (7-15) [1.4-3] [1.4-29]	S6-1153-3SPL WIB-204	PT	1	12/15/76			2-4 inch dia. to receive volumetric, but pipe welds only require vol. for
Loop 4 RTD Manifold Ret Hdr (7-16) S6-1158-3SPL PT 1 12/15/76 [1.4-4] [1.4-30] WIB-268  Charging Line Loop 4 S6-246-3SPL PT 1 1/12/77 (8-64)[1.4-4][1.4-31] WIB-310  Charging Line Loop 3 S6-50-3SPL PT 1 1/12/77 (8-64)[1.4-3][1.4-31] WIB-183		,	<pre> &gt; 4". This was corrected in Winter '80 (ref. 10CFR50.55a)</pre>					
			PT	1	1/12/77			therefore surface exam. performed.
			PT	1	1/12/77		e	
	Letdown Line Loop 2 (7-8)[1.4-2][1.4-33]	S6-24-3SPL WIB-142	PT	1	8/19/76	en en en	<b></b>	





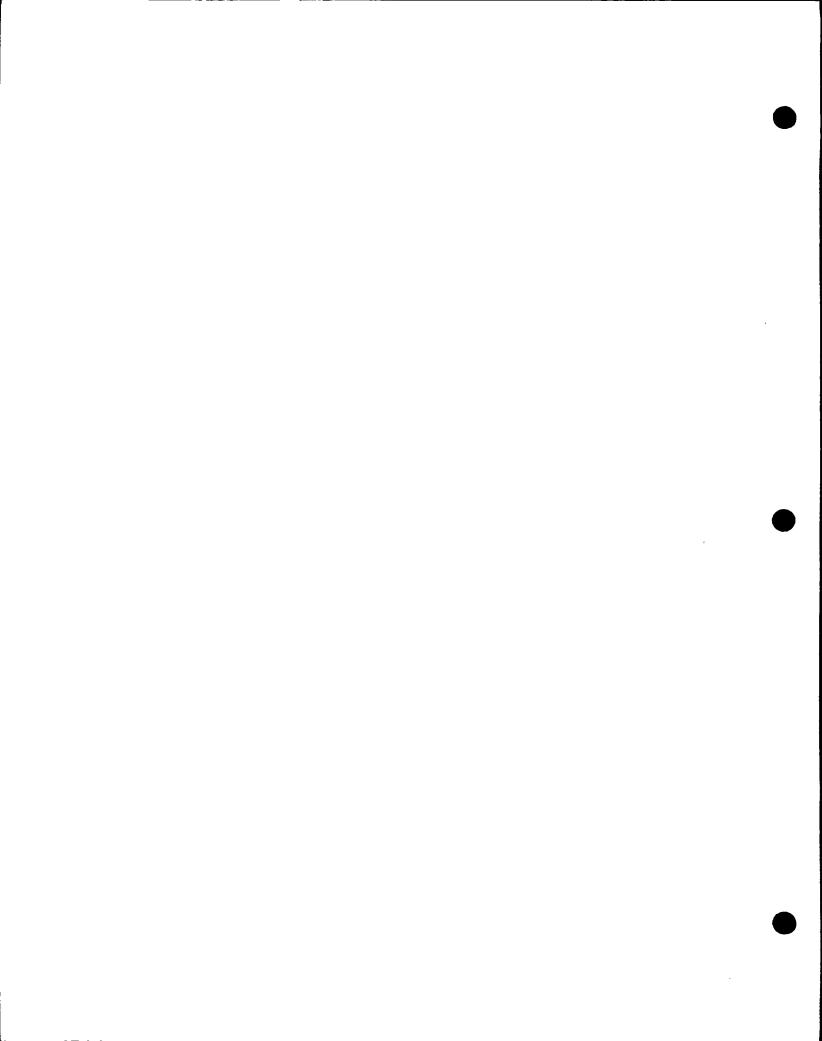
ITEM: PIPING WELDS (B-J) (1.4)

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1						ITEM:I PAGE	PIPING WELDS (B-J) (1.4) 25 OF 57
CATEGORY		CENEDAL	HDE	TOTAL	EVAM	COND.	CORRECTIVE ACTION	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL	EXAM DATE	NOTED	(IF REQUIRED)	REMARKS
B-J ,	Piping - Cont'd (Branch Weld 2 In. & Less in Diameter)							
B9.32	2 In. Nom. Dia.	Line No. & Branch Weld		(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		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			1
	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	<b></b>		



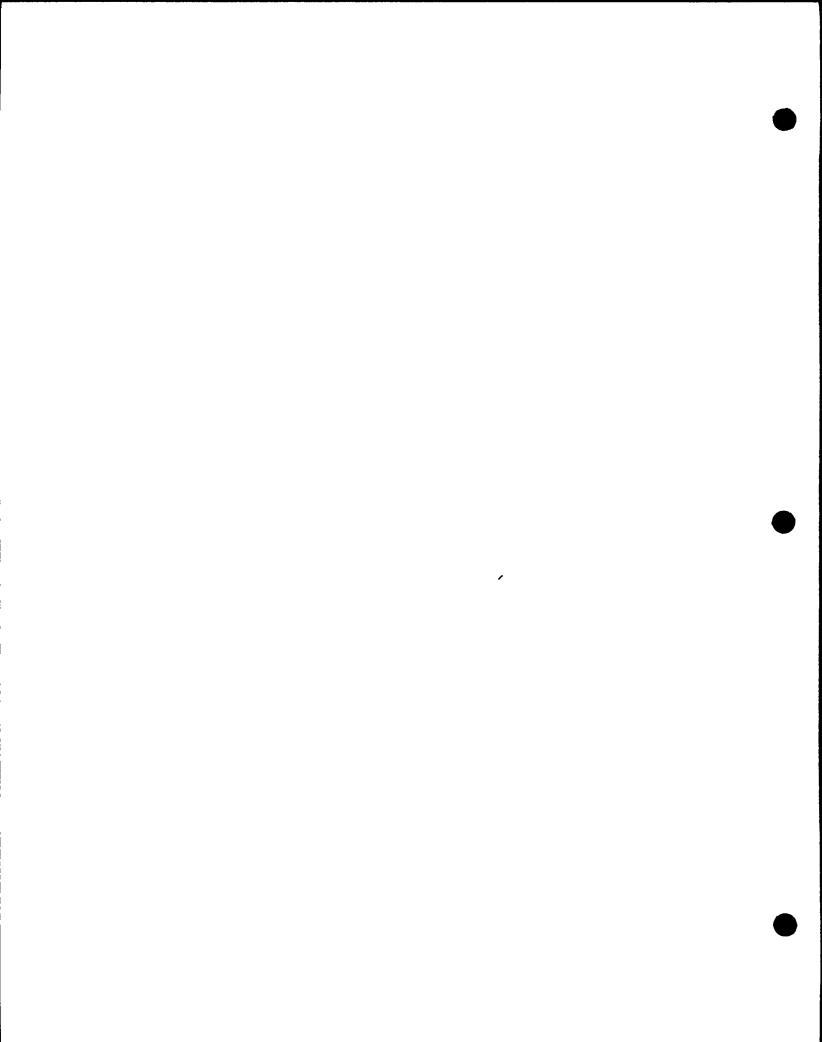


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PIPING PAGE 26	WELDS (B-J) (1.4)  OF57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION- (IF REQUIRED)	REMARKS
B-J .	Piping - Cont'd (Branch Weld 2 In. & Less in Diameter)						·	
B9.32	2 Inch Nom. Dia.	Line No. & Branch Weld						
	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		,	•





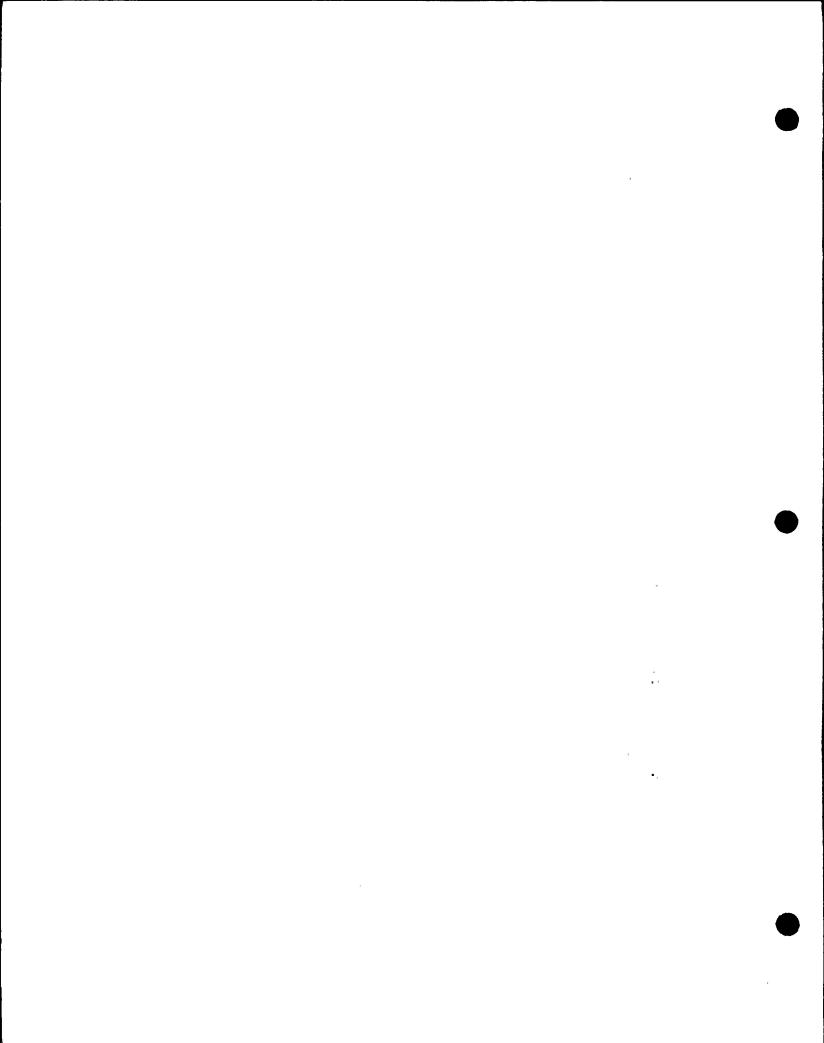
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	PAGE PIPING WELDS (B-J) (1.4) PAGE 27 OF 57						
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J .	Piping - Cont'd (Branch Welds 2 In. & Less in Diameter) 2 In. Nom. Diameter	Line No. &						
	Cont'd  SI Pps Cold Leg Loop 1 Recirc (9-33,412) [1.4-15]	Branch Weld S6-3855-2SPL WIB-929	РТ	1	12/16/80	:		•
	SI Pps Cold Leg Loop 2 Recirc (9-32,413) [1.4-16]	S6-3856-2SPL WIB-935	PT	1	3/14/85	⅓" linea removed filing		NRI after removal
	SI Pps Cold Leg Loop 3 Recirc (9-34,446) [1.4-17]	S6-3857-2SPL WIB-941	PT	1	1/25/85			
	SI Pps Cold Leg Loop 4 Recirc (9-445) [1.4-50]	S6-3858-2SPL WIB-951	PT	1	12/15/80			, ,
B9.32	1.5 In. Nom. Dia. Boron Inj.Tk.Out.Loop 1 Cold Leg (RC2-1) [1.4-1] [1.4-60]	S6-1991-1.5SPL+ WIB-507	PT	(4)	12/18/80			
	Boron Inj.Tk.Out.Loop 2 Cold Leg (RC2-2) [1.4-2] [1.4-62]	S6-1992-1.5SPL+ WIB-560	PT	1	10/29/80			
	Boron Inj.Tk.Out.Loop 3 Cold Leg (RC2-3) [1.4-3] [1.4-64]	S6-1993-1.5SPL+ WIB-654	PT	. 1	10/21/80			





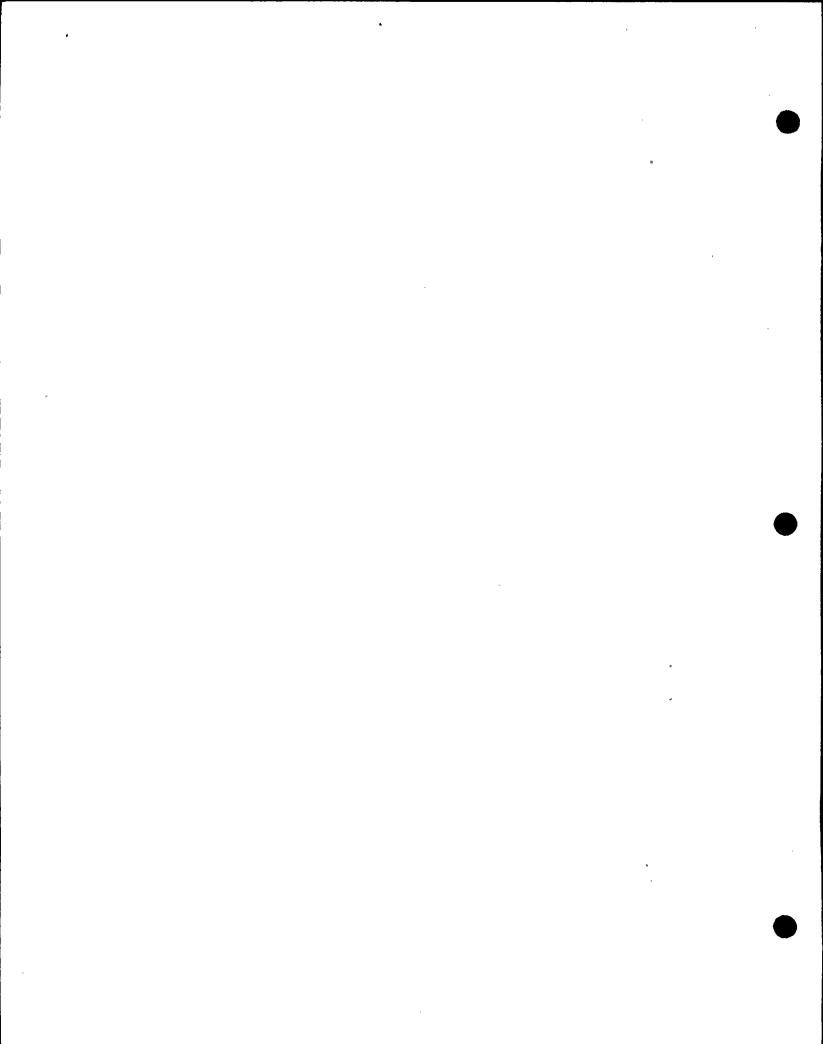
UNIT 2

	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	PAGE 28	WELDS (B-J) (1.4) OF					
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 2 Inch & Less in Diameter)							
B9.32	1.5 In. Nom. Diameter Cont'd	Line No. & Branch Weld						
	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			





ASME SECT	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						PAGE PIPING 29	WELDS (B-J) (1.4) OF 57
CATEGORY		GENERAL	NDE	TOTAL	EXAM		RRECTIVE ACTION	
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED (IF	REQUIRED)	REMARKS
B-J	Piping-Socket Welds						,	
	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	en on on		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







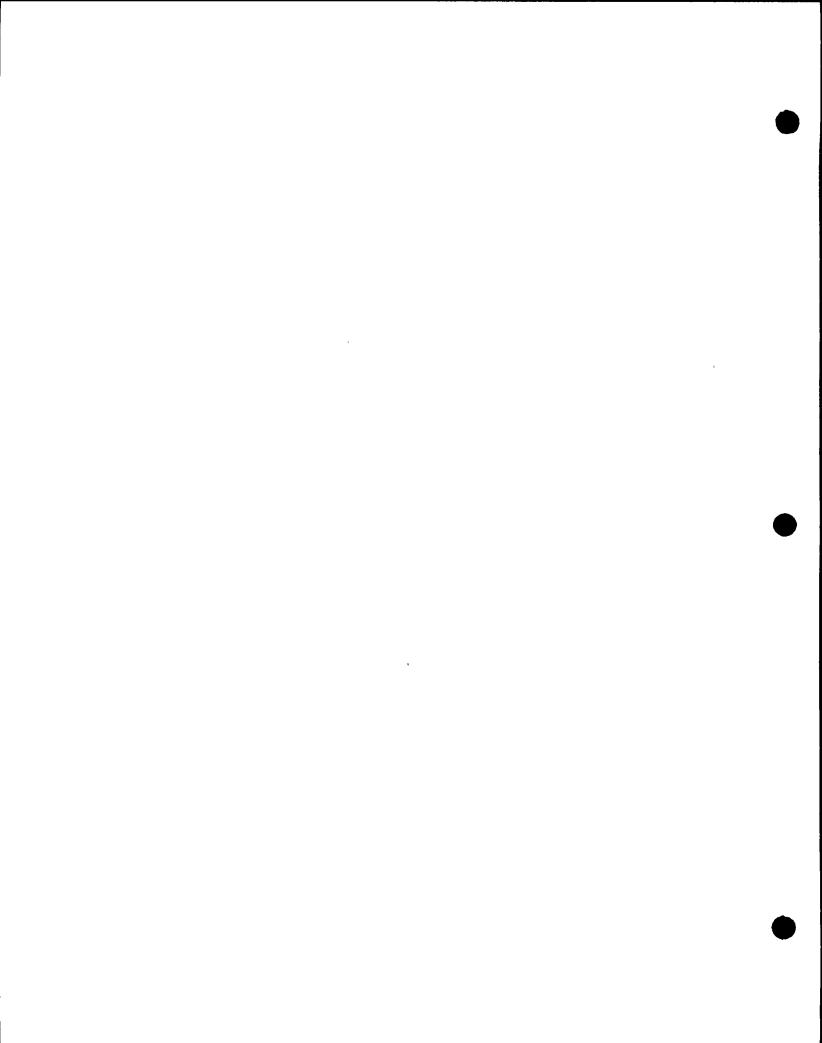
UNIT 2

PRESERVICE INSPECTION SUMMARY
ASME SECTION\_XI SYSTEMS-CLASS 1
PAGE 30

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

 PAGE
 30
 0F
 57

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 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	~~~		



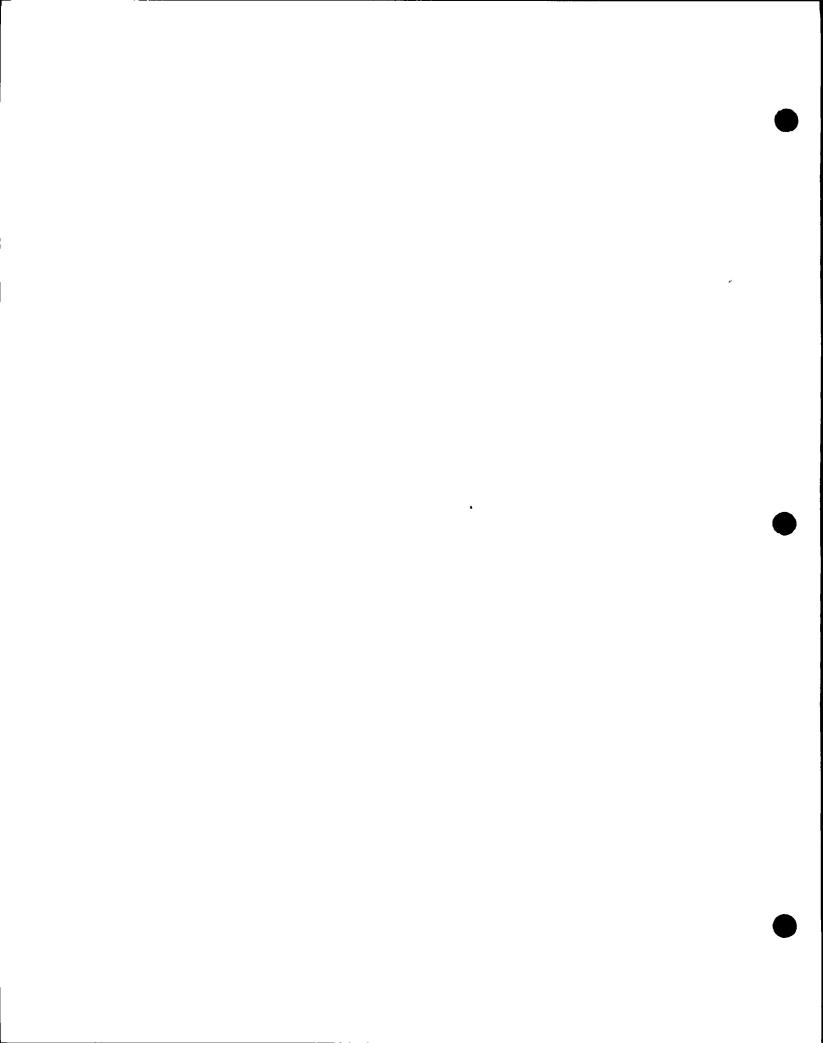




PRESERVICE INSPECTION SUMMARY
ASME SECTION XI SYSTEMS-CLASS 1

ITEM: PIPING WELDS (B-J) (1.4)
PAGE 31 OF 57

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND.	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J .	PIPING - Socket Welds	Line No. & ISI DWG. No.						
B9.40	SI Pp 1-1 Inj Hot Leg Loop 1 (9-31A,449)	\$6-3863-2 [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-	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	tion ·		•
	SI Pps Cold Leg Loop 4 Recirc (9-445)	S6-3858-2SPL [1.4-50]	PT	15	12/16/80			1



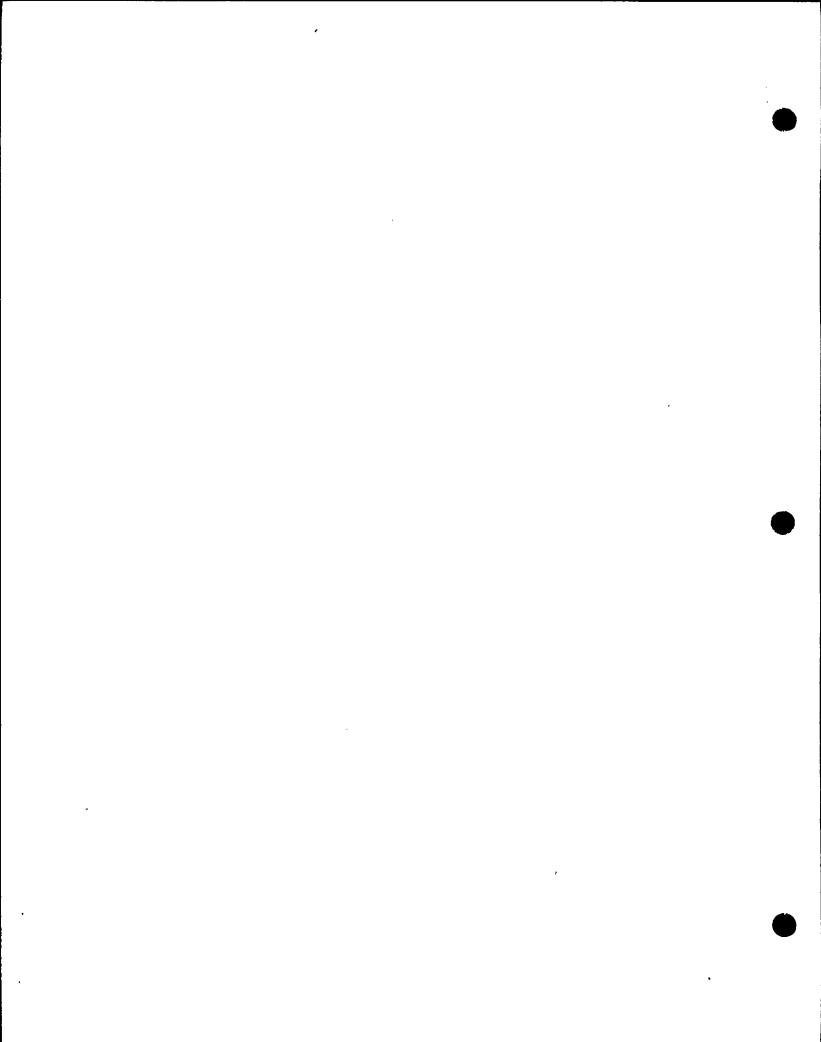
PRESERVICE INSPECTION SUMMARY

, DIABLO CANYON POWER PLANT



ITEM: PIPING WELDS (B-J) (1.4)
PAGE 32 OF 57

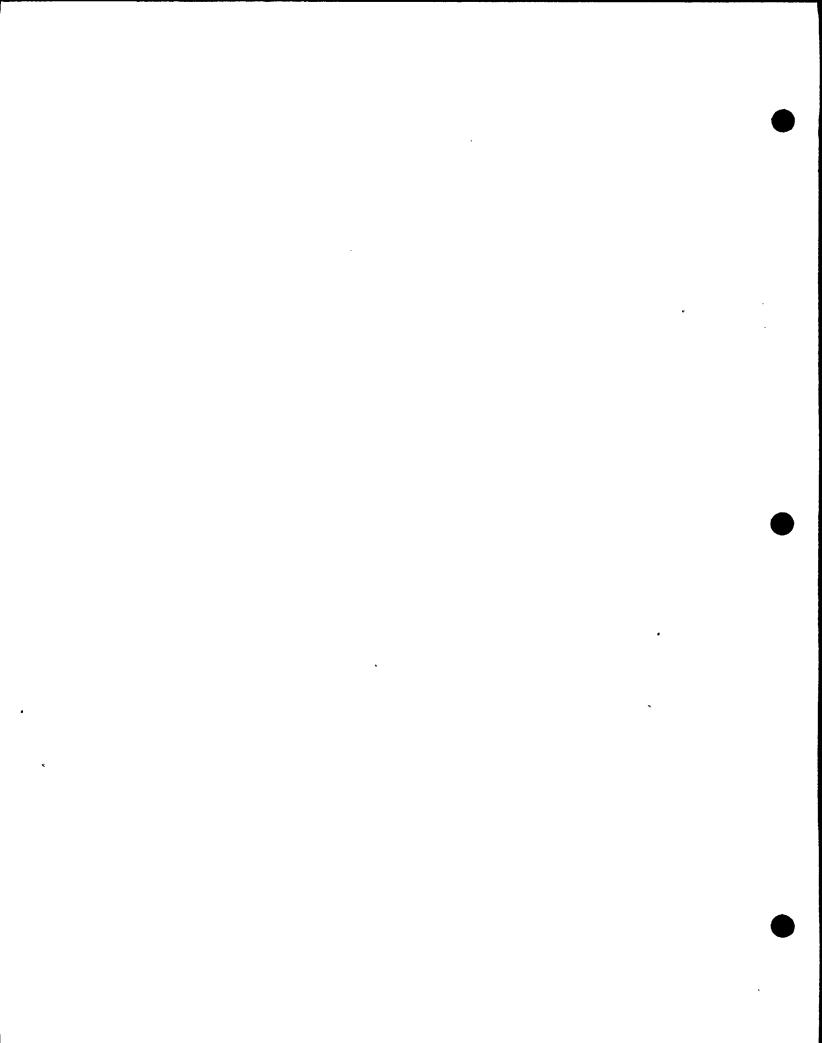
	TION XI SYSTEMS-CLASS 1						PAGE 32	OF 57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-J	Piping - Socket Welds Cont'd	Line No. & ISI DWG. No.				Misc.	•	
B9.40	Loop 1 Hot Leg RTD Conn Hdr (7-442,443)	S6-1139-2SPL [1.4-51]	PT	19	10/27/80	Surface 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		<b></b> .	
	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	<b>ab</b> 00 <b>60</b>		•
	Loop 1 Cold Leg RTD Conn (7-441)	S6-1140-2SPL [1.4-55]	PT	13	12/18/80	Misc. Surface Indica- tions		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			





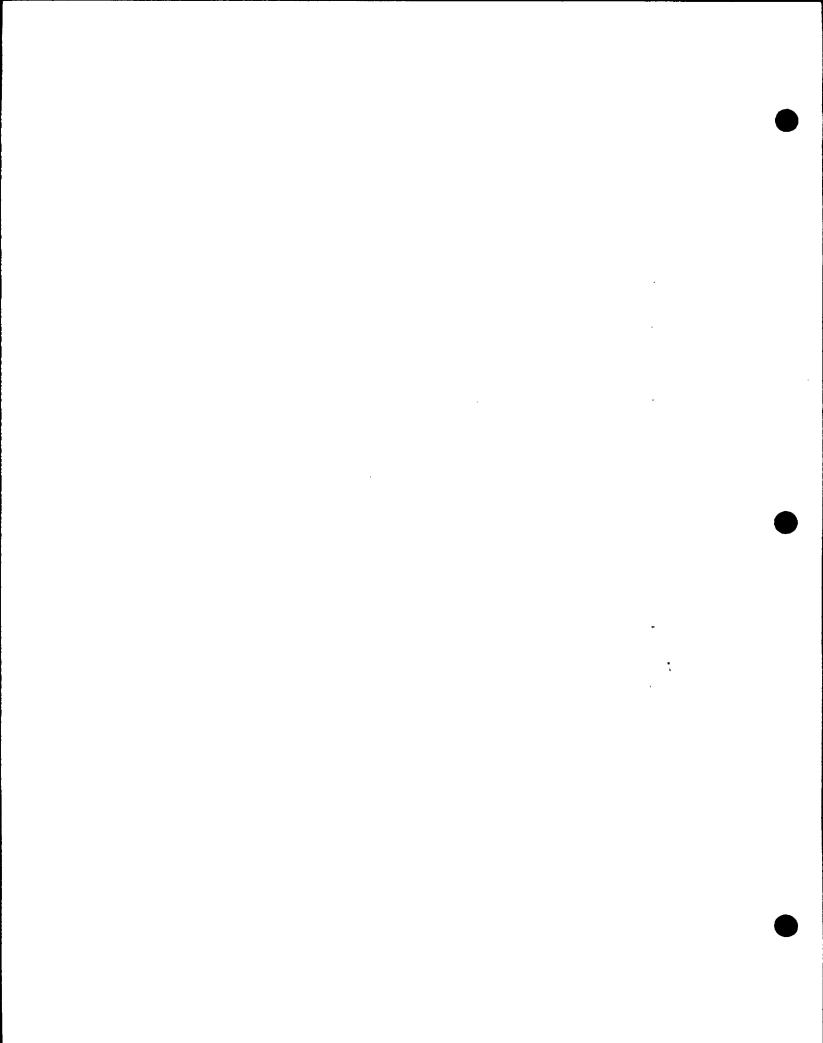


	PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 1  PAGE 33 OF 57											
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL NDE IDENTIFICATION METH	TOTAL ITEMS	EXAM DATE	COND.	ORRECTIVE ACTION F REQUIRED)	REMARKS					
B-J .	Piping - Socket Welds Cont'd	Line No. & ISI DWG. No.										
B9.40	1.5 In. Nom. Dia.  Boron Inj Tk Out Loop 1 Cold Leg (9-436,465)	S6-1991-1.5SPL+ PT [1.4-59] [1.4-60]	(211) 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+ PT [1.4-61] [1.4-62]	.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+ PT [1.4-63] [1.4-64]	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+ PT [1.4-65] [1.4-66]	38	12/17/80			Includes (2) B9.21 Items Butt Welds					





	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1		PAGE 34	SUPPORTS (B-K) (1.4)  OF 57				
CATEGORY	······································	OFNEDAL	NDC	TOTAL		COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE Meth	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-K-1	Integrally Welded Attachments (To Pressure Boundary)				Ε			
B10.10 B10.20 B10.30	Piping Pumps (See Table 1.5) Valves	(Attach't)						B10.30 Valve supports included in this section
B-K-2	Support Components	(Supports)						
B11.10 B11.20 B11.30	Piping Pumps (See Table 1.5) Valves							B11.30 Valve supports included in this section
	29,&27.5 In. Nom. Dia.	Line No. & ISI DWG. No.						
	Reactor Coolant Out Loop 1 (RC2-1)	*1-29SPL,and [1.4-1]	N/A			oo ee sa		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			gas 600 das		
	Reactor Coolant Out Loop 4 (RC2-4)	*4-29SPL,and [1.4-4]	N/A					t







ITEM: PIPING SUPPORTS (B-K) (1.4) PRESERVICE INSPECTION SUMMARY PAGE 35 0F 57 ASME SECTION XI SYSTEMS-CLASS 1 CATEGORY CORRECTIVE **GENERAL** NDE TOTAL **EXAM** COND. **ACTION REMARKS** ITEM METH ITEMS DATE NOTED (IF REQUIRED) COMPONENT OR SYSTEM IDENTIFICATION B-K-1 Integrally Welded Attach. B-K-2 Support Components PT B10.10 Support Attachments VT B11.10 Support Components Line No. & (8) 31 In. Nom. Dia. ISI DWG. No. \*5-31 Reactor Coolant Pump VT-3 1/22/85 Suction Loop 1 [1.4-1]2 \*6-31 Reactor Coolant Pump Suction Loop 2 VT-3 1/22/85 [1.4-2]2 \*7-31 Reactor Coolant Pump Suction Loop 3 [1.4-3]**VT-3** 2 1/22/85 Reactor Coolant Pump \*8-31

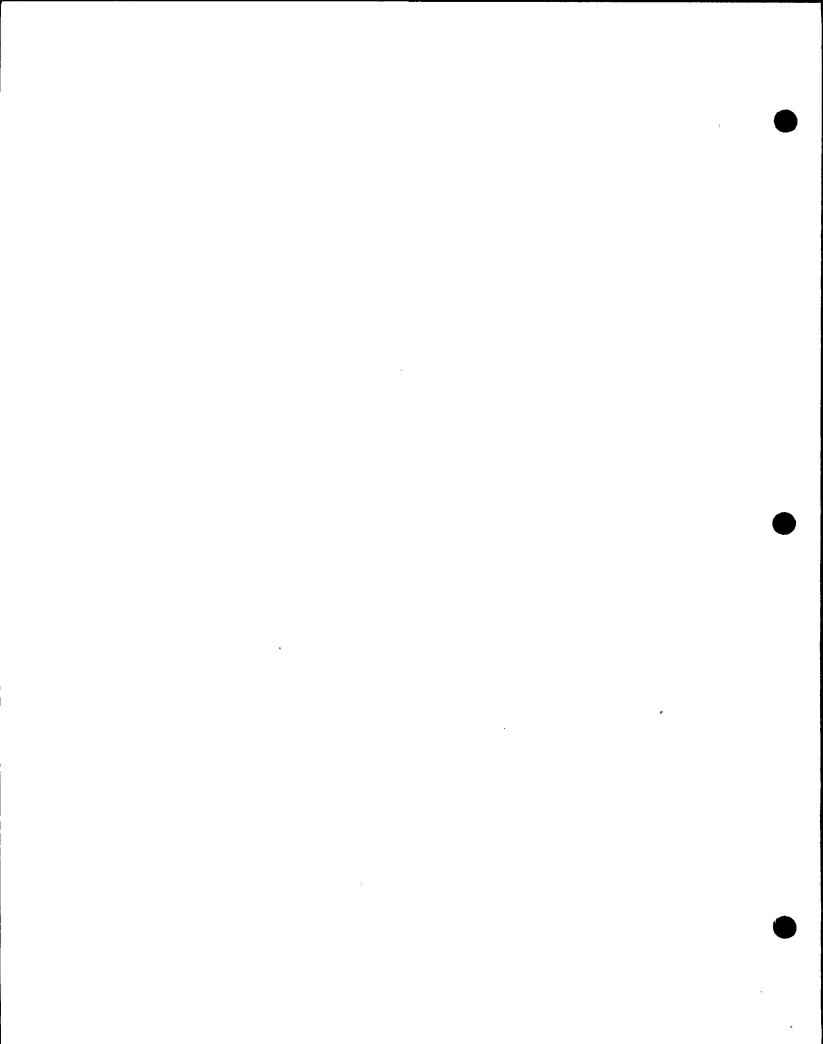
1/22/85

VT-3

2

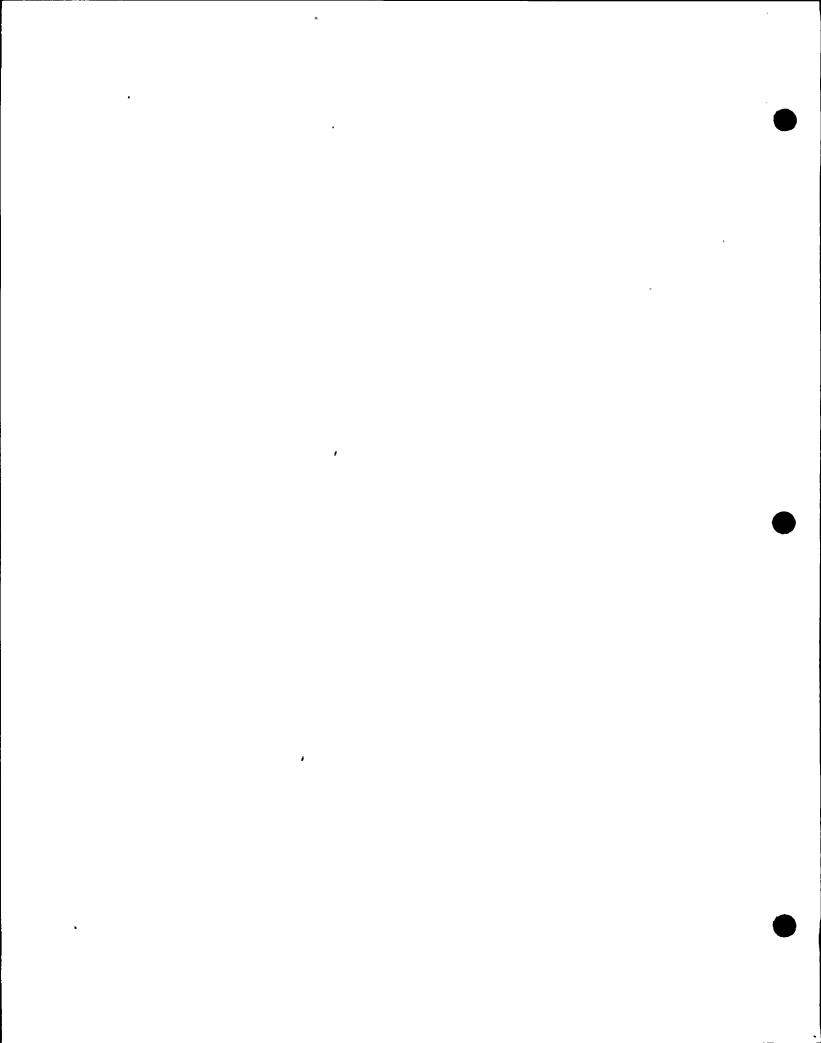
[1.4-4]

Suction Loop 4





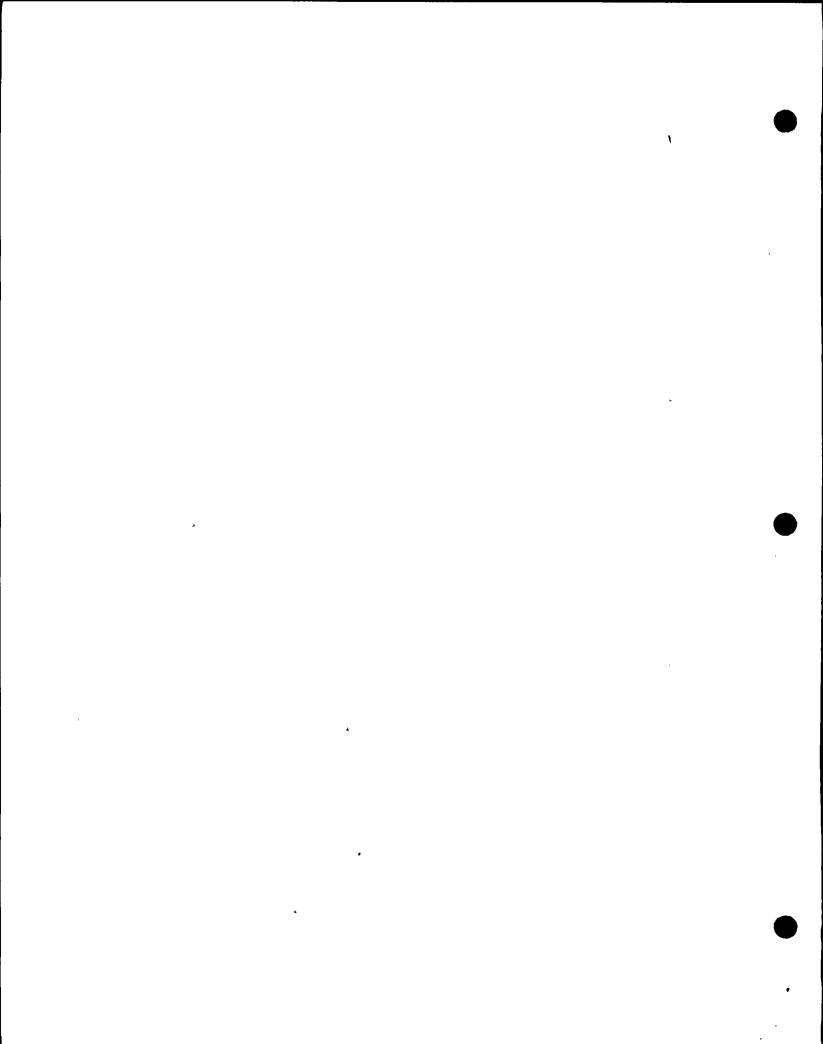
PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 1  ITEM: PIPING SUPPORTS (B-K) (1.4)  PAGE 36 OF 57								
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd							
B10.10 B11.10	Support Attach't Support Components		PT VT					
	14 In. Nom. Dia. Pressurizer Surge Line (loop 2)(P445893)	Line; No. & 1SI DWG. No. *16-14SPL [1.4-5]	VT-3 VT-4		6/17/85 2/10/84			
	Hot Leg Recirc Before 2V-8702 (2-10,21,22)	S6-109-14SPL [1.4-10]	PT VT-3 VT-4	1	9/22/76 1/28/86			
	Loop 4 Hot Leg Before 2V-8701 (2-10,21,22)	S6-1665-14SPL [1.4-10]	PT VT-3 VT-4	. 1 . 6	2/1/85 1/28/86			į.





UNIT 2

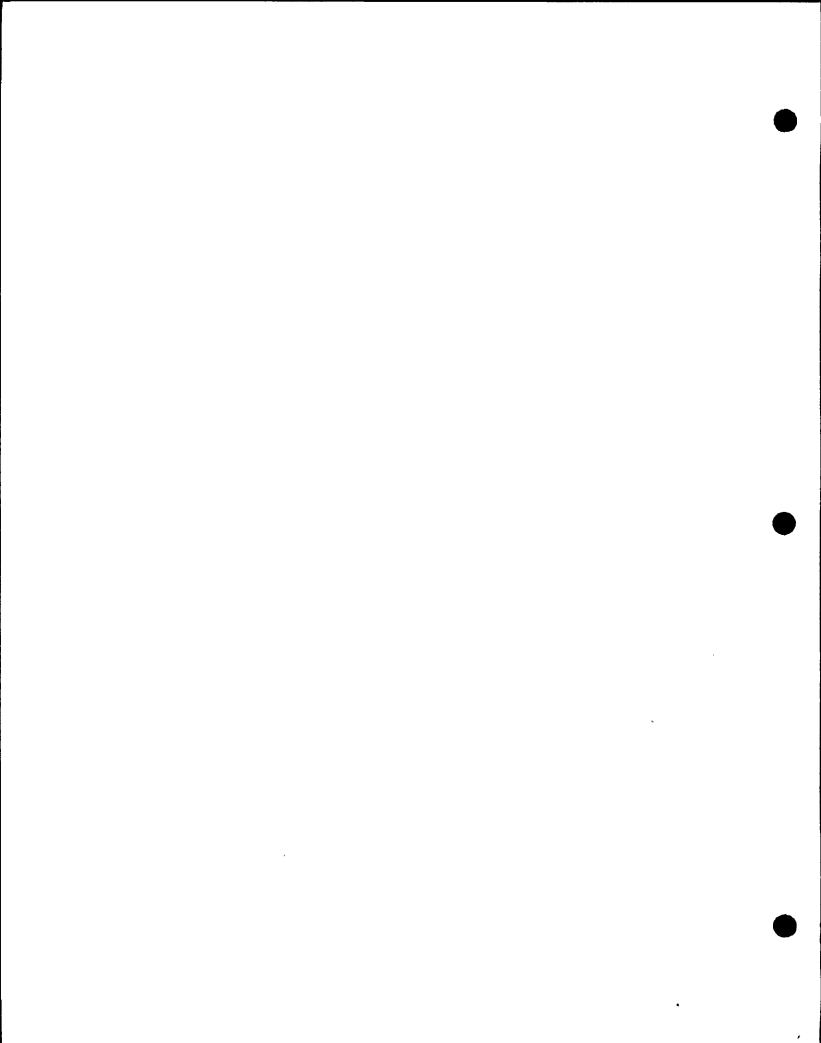
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	PAGE 37 OF 57						
CATEGORY					20115	CORRECTIVE		
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS		COND. NOTED	ACTION (IF REQUIRED)	REMARKS	
B-K	Supports - Cont'd	e				-		
B10.10 B11.10	Support Attach't Support Components	Line No. &	PT VT			•		
	10 Inch Nom.Diameter Accumulator Injection Loop 1 (2-9-11)	ISI DWG. No.	VT-3 6 (VT-4)	1/8/85			-	
	Accumulator Injection Loop 2 (2-9-12)	S6-254-10SPL+ [1.4-7]	PT 1 VT-3 3 (VT-4)	3/29/76 1/28/86				
	Accumulator Injection Loop 3 (2-9-13)	\$6-255-10\$PL+ [1.4-8]	PT 1 VT-3 2 (VT-4)	1/31/85 1/31/85				
	Accumulator Injection Loop 4 (2-19-14)		PT 2 VT-3 6 (VT-4)	3/23/76 6/11/85			•	





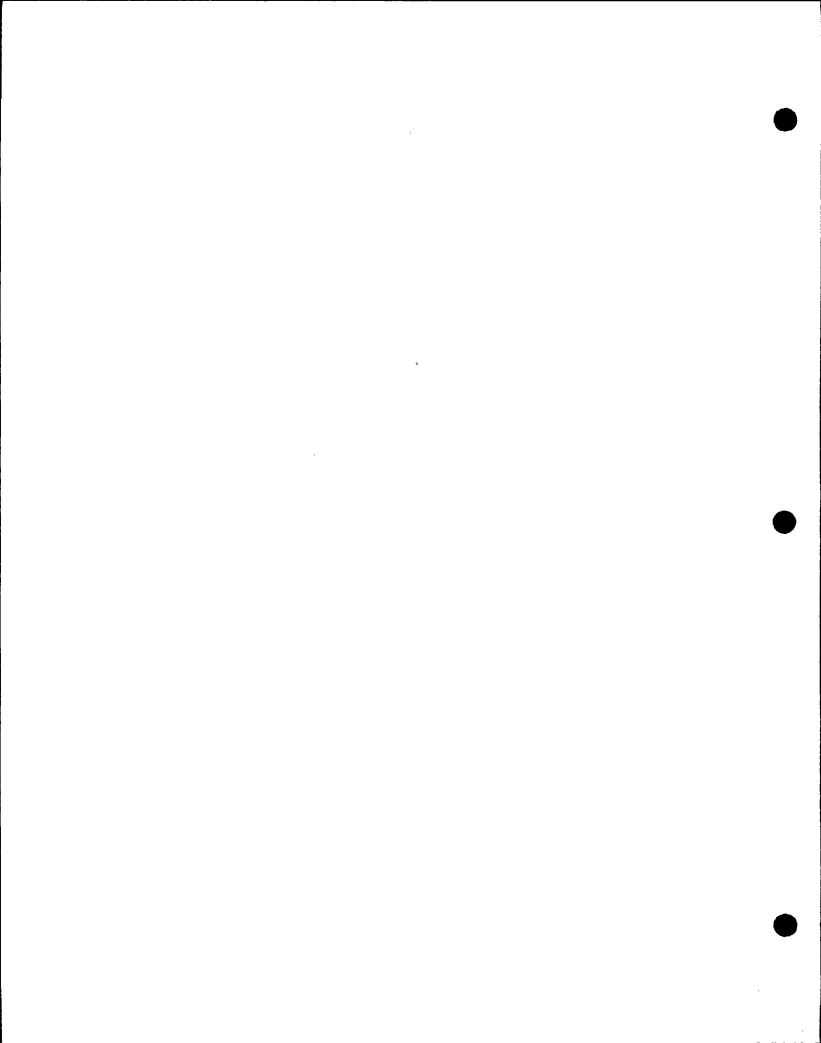


PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1							PAGE 38 OF 57		
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS	
В-К	Supports - Cont'd						•		
B10.10 B11.10	Support Attach't Support Components	Line No. &	PT VT				ř		
	8 Inch Nom.Diameter	ISI DWG. No							
	SIS To RCS Loop 1 Hot Leg (9-31A,449)	S6-2575-8 [1.4-11]	PT VT-3 VT-4	3	6/28/83 1/28/86				į.
	SIS To RCS Loop 2 Hot Leg (9-31B,450)	S6-2576-8 [1.4-12]	PT VT-3 VT-4	1 3	1/31/85 1/3/85				1
	6 Inch Nom.Diameter Safety Inj Loop 1 Hot Leg (9-31A,449)	S6-235-6SPL+ [1.4-11]	VT-3 VT-4	7	1/3/85		. <b></b>		ł
	Safety Inj Loop 2 Hot Leg (9-31A,450)	S6-236-6SPL+ [1.4-12]	VT-3 VT-4	8	1/3/85				



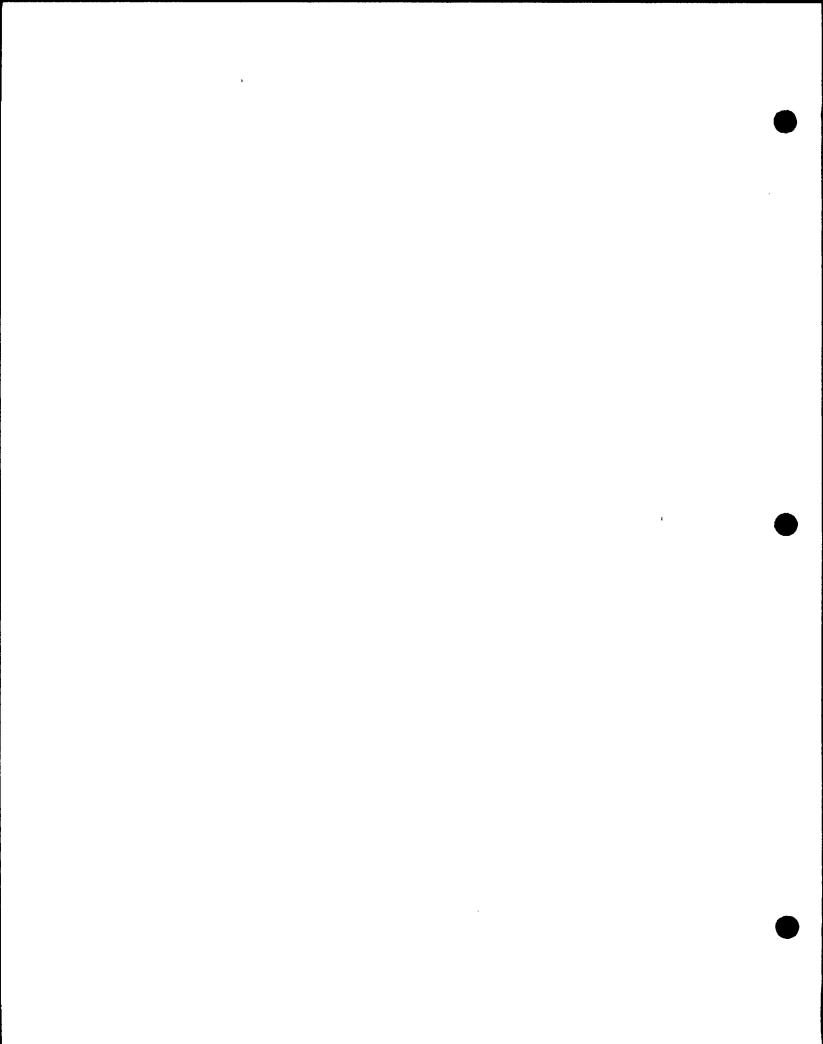


PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  ITEM: PIPING SUPPORTS (B-K) PAGE 39 OF 57								OF
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K.	<u>Supports</u> - Cont'd							
B10.10 B11.10	Support Attach't Support Components	Line No. &	PT VT					
B11.10	Safety Inj Loop 3 Hot Leg (9-35)	SIS DWG No. S6-237-6SPL+ [1.4-13]	VT-3 (VT-4	11	1/3/85	un and 416		•



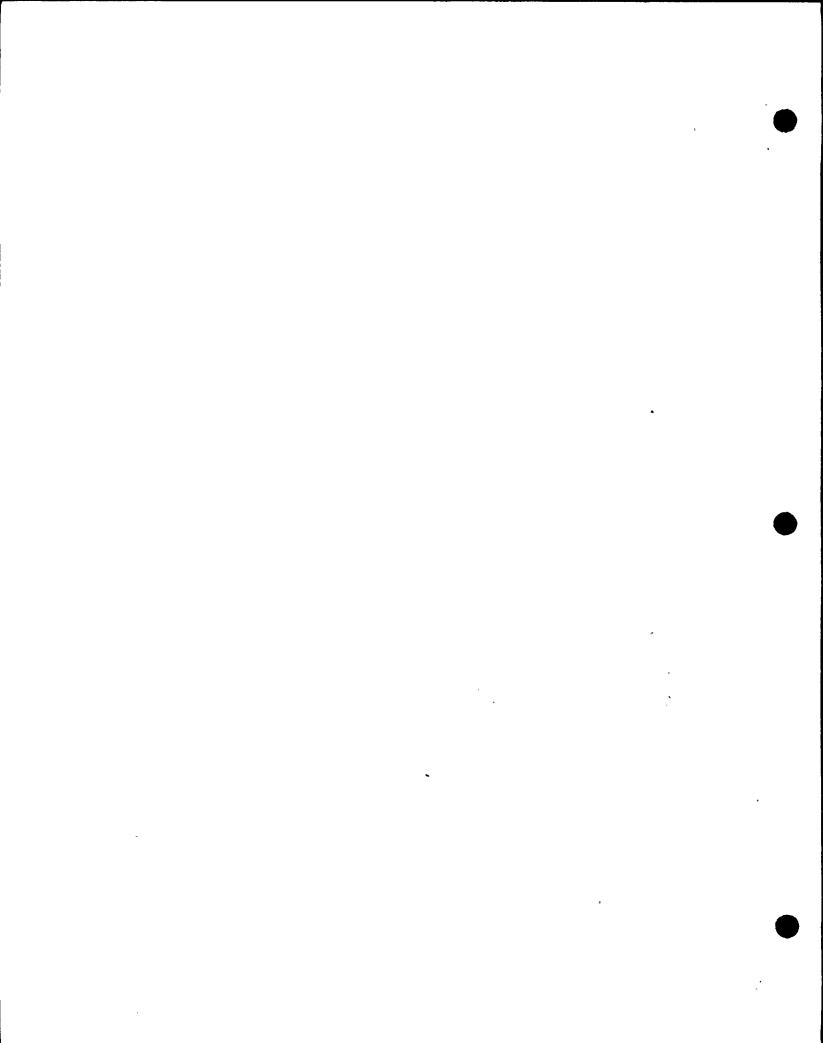


PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  ITEM: PIPING SUPPORTS (B-K) (1.4) PAGE 40 OF 57									
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION			EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS	
В-К .	Supports - Cont'd								
B10.10 B11.10	Support Attch't Support Components		PT VT						
	6 Inch Nom.Diameter	Line No. & ISI DWG. No.							
	Safety Inj Loop 4 Hot Leg (9-36)	S6-238-6SPL+ [1.4-14]	VT-3 7 (VT-4)	7 1	1/3/85				
	RHR Pp 2-1 Inj Cold Leg 1 (9-33,412)	S6-3844-6SPL+ [1.4-15]			7/6/83 7/22/85			•	
•	RHR Pp 2-1 Inj Cold Leg 2 (9-32,413)	S6-3845-6SPL+ [1.4-16]	PT 1		7/24/83 5/17/85	•••		I	
	RHR Pp 2-2 Inj Cold Leg 3 (9-34,446)	S6-3846-6SPL+ [1.4-17]	VT-3 9	9 6	6/6/85			•	





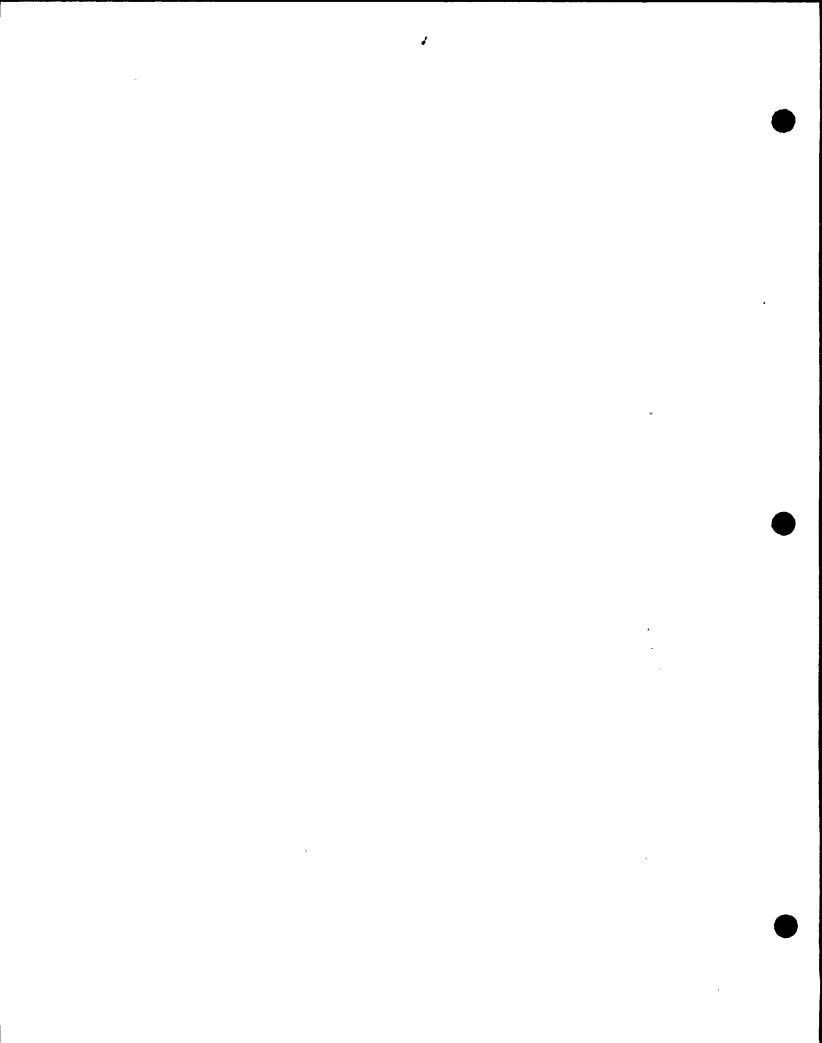
	PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 1  PAGE 41 OF 57										
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS				
B-K	<u>Supports</u> - Cont'd			~~~							
B10.10 B10.11	Support Attach't Support Components	Line No. & ISI DWG. No.	PT · · · VT				•				
	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							

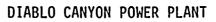






	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	ITEM: PIPING 42	SUPPORTS (B-K) (1.4) OF57				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd						
B10.10 B10.11	Support Attach't Support Components		PT VT				
	6 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.					
	Pressurizer RV-8010A Inlet (7-17)	S6-729-6SPL+ [1.4-19]	 VT-3 2 (VT-4)	6/11/85			(VLV;B11.30 ITEM)
	Pressurizer RV-8010B Inlet (7-19)	S6-728-6SPL+ [1.4-20]	VT-3 2 (VT-4)	5/15/85			(VLV;B11.30 ITEM)
	Pressurizer RV-8010C Inlet (17-18)	S6-727-6SPL+	VT-3 2 (VT-4)	1/25/85			(VLV;B11.30 ITEM)
	Pressurizer Power RV Inlet (7-20)	S6-730-6SPL+ [1.4-22]	VT-3 3 (VT-4)	2/7/85			•

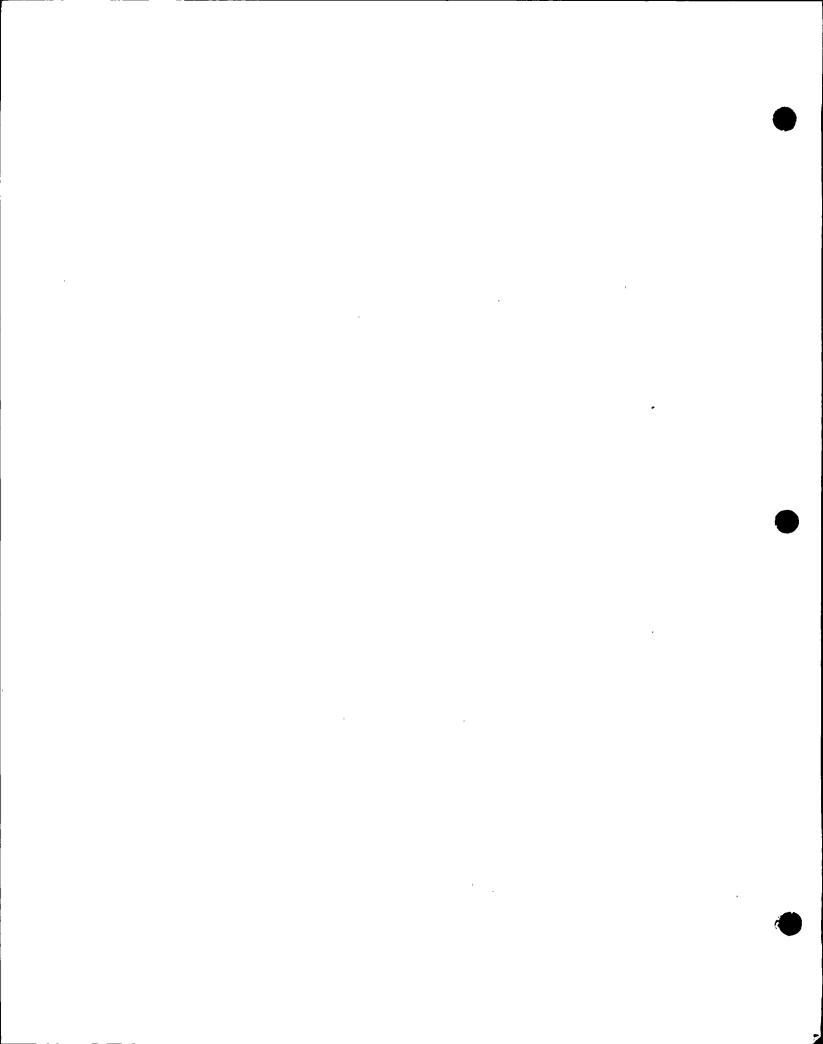






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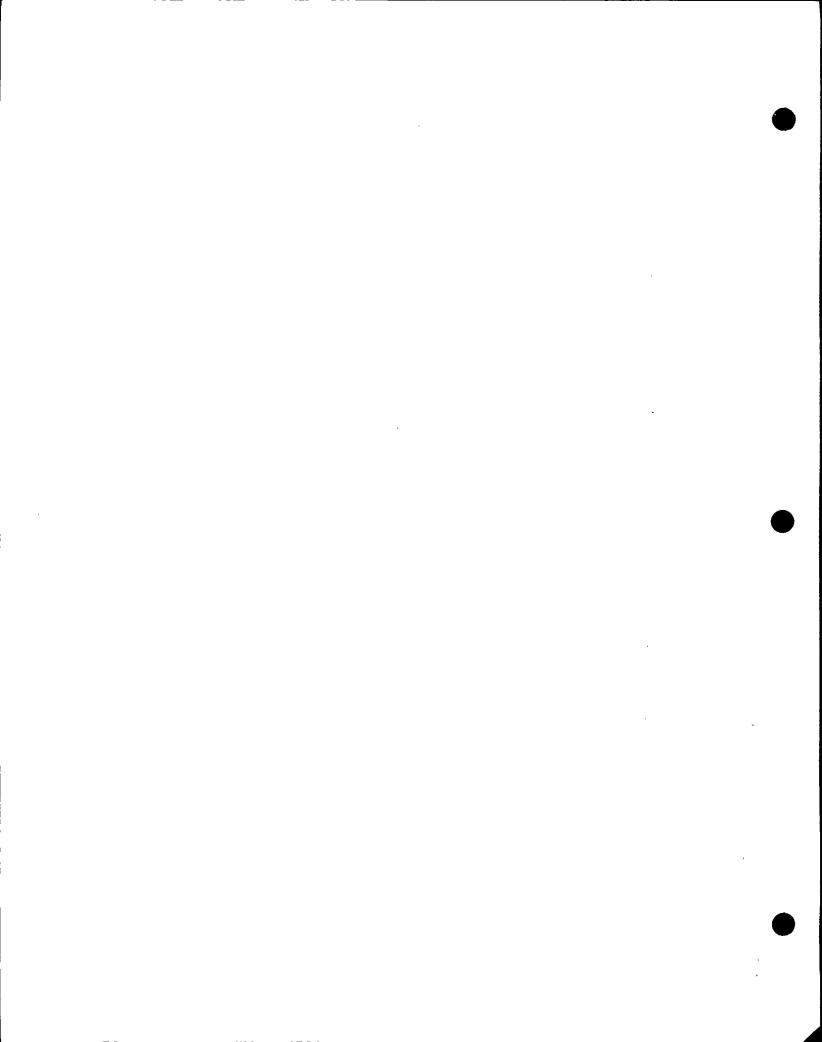
	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	PAGE 43 OF 57						
CATEGORY		OFNEDAL	NDE TOTAL	FVAIL	COND	CORRECTIVE		
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS	<del></del>
B-K	Supports - Cont'd							
B10.10 B11.10	Support Attach't Support Components		PT VT					
	4 Inch Nom.Diameter	Line No. & ISI DWG. No.						
	Pressurizer RV PCV- 455C Inlet (7-20)	S6-4081-4SPL [1.4-22]	VT-3 1 (VT-4)	1/2/85				
	Loop 1 Spray Line (7-12,10)	S6-13-4SPL [1.4-23] [1.4-24]	VT-3 22 (VT-4)	5/15/85				
	Loop 2 Spray Line (7-10,11)	S6-14-4SPL [1.4-24] [1.4-25]	VT-3 13 (VT-4)	1/10/85	w m m			
	Pressurizer Spray Line (7-24)	S6-15-4SPL [1.4-26]	PT 1 VT-3 11 (VT-4)	6/13/83 6/6/85			•	





UNIT 2

	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	PAGE PIPING	SUPPORTS (B-K) (1.4)  OF 57				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd						
B10.10 B11.10	Support Attach't 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			d ag







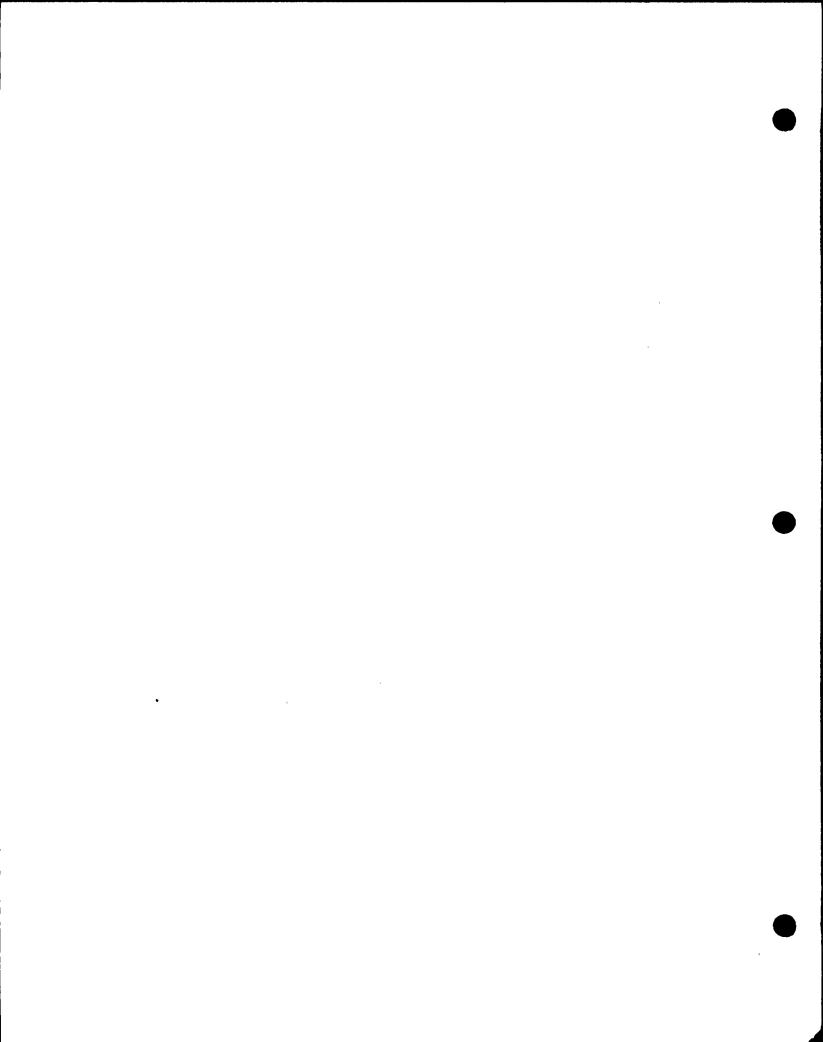
	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	PAGE 45 OF 57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd						
B10.10 B11.10	Support Attach't Support Components		PT VT				
	3 Inch Nom.Diameter	Line No. & ISI DWG No.					
	Cont'd Loop 2 Hot Leg RTD Conn (7-25)	S6-3489-3SPL [1.4-28]	VT-3 9 (VT-4)	6/6/85		. <b></b>	
	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			s .

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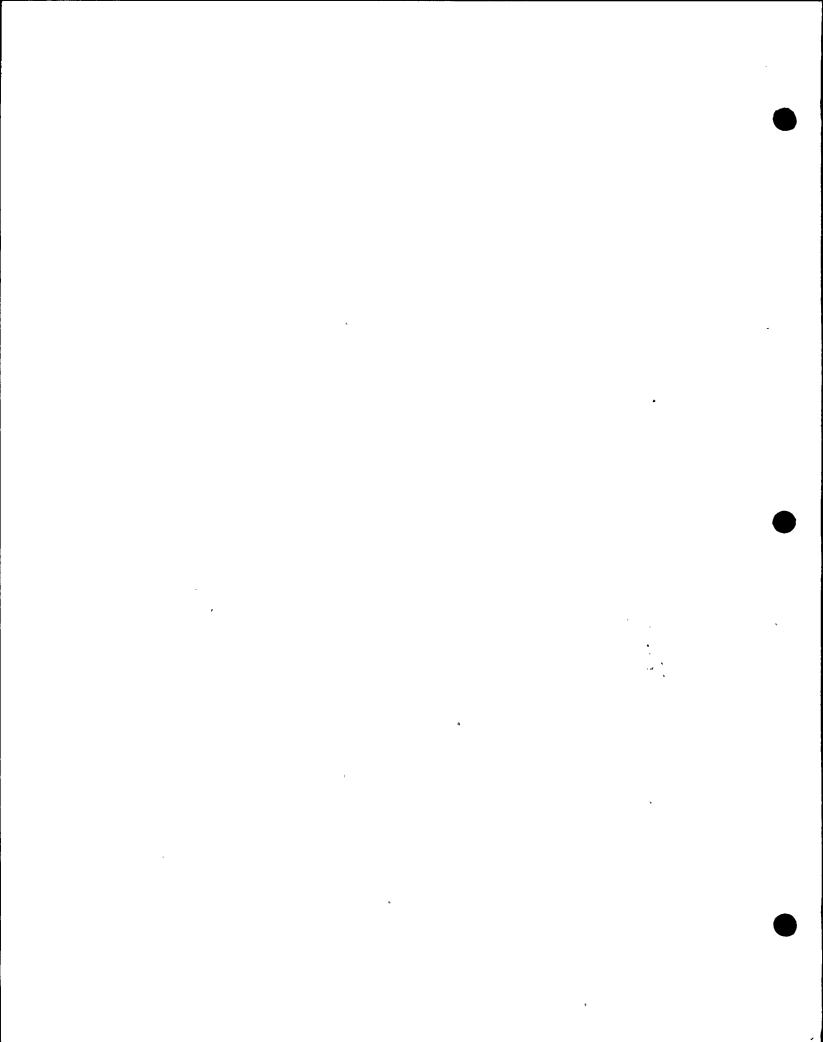
	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	PAGE 46 OF 57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd				<del></del>		
B10.10 B11.10	Support Attach't Support Components		PT VT				
	3 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.					
	Loop 3 Hot Leg RTD Conn (7-15)	S6-3495-3SPL [1.4-29]	VT-3 5 (VT-4)	1/12/85	# <b>**</b> **		
	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			







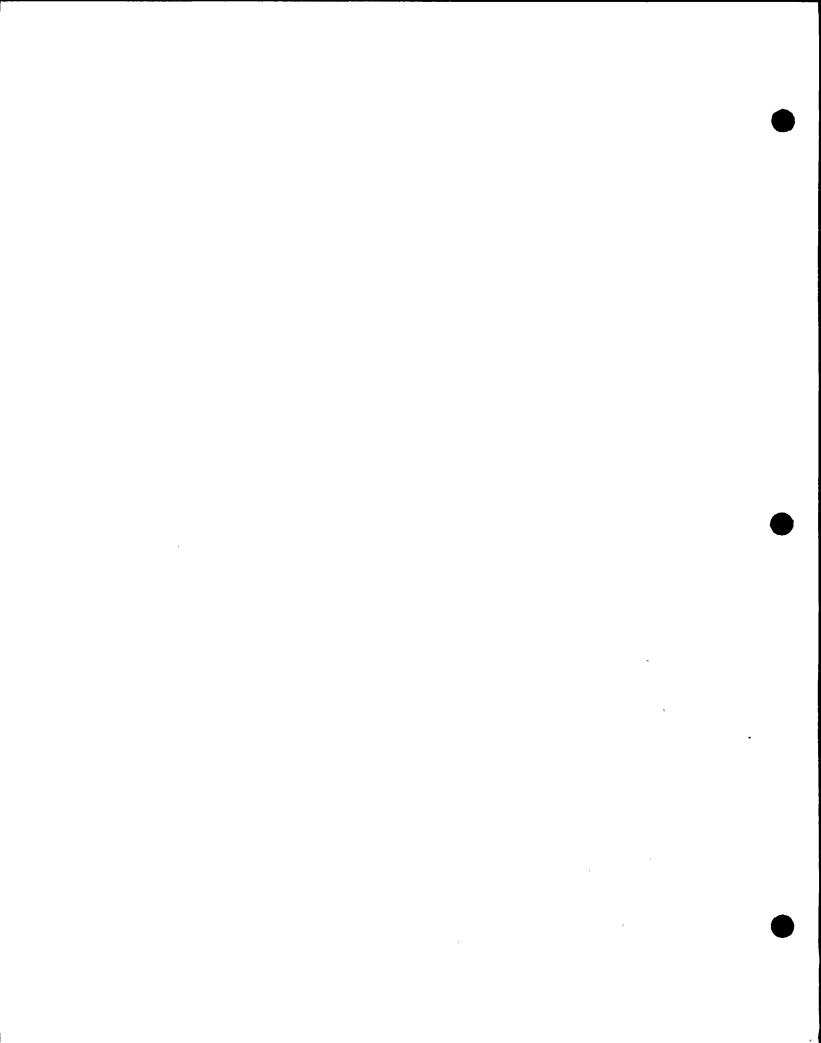
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PIPING SUPPORTS (B-K) (1.4) PAGE 47 OF 57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K .	<u>Supports</u> - Cont'd						-
B10.10 B11.10	Support Attach't Support Components		PT VT				
	3 Inch Nom.Diameter Cont'd Loop 4 Hot Leg RTD Conn (7-16)	Line No. & ISI DWG No. S6-3496-3SPL [1.4-30]	PT 1 VT-3 7 (VT-4)	7/5/83 1/12/85			
	Loop 4 Cold Leg <sup>·</sup> 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		÷	





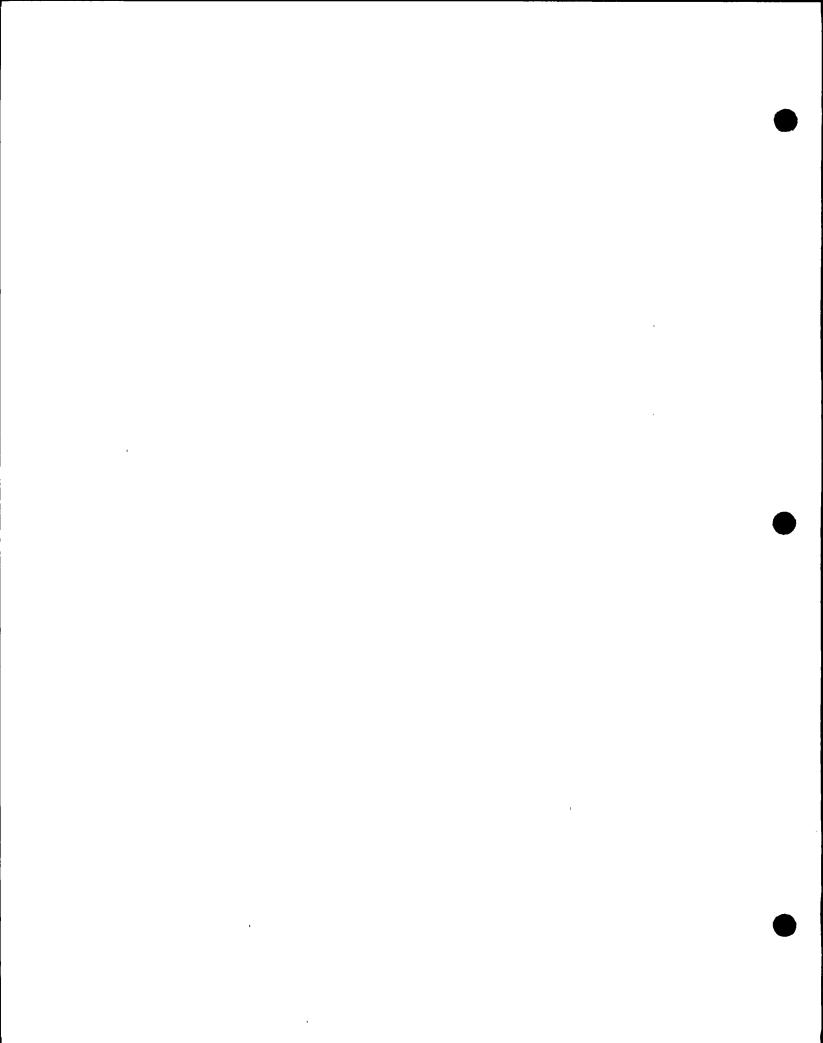


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	PAGE 48	S SUPPORTS (B-K) (1.4)  OF57				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS.
B-K	<u>Supports</u> - Cont'd						
B10.10 B11.10	Support Attach't Support Components		PT VT				
	3 Inch Nom.Diameter Cont'd Charging Line Loop 4 (8-64)	Linei No. & ISI DWG No. S6-246-3SPL [1.4-31]	 VT-3 1 (VT-4)	2/10/83			
	Charging Line Loop 3 (8-64)	S6-50-3SPL [1.4-31]	VT-3 1 (VT-4)	1/10/85			
	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			·
	Letdown Line Loop 2 (7-8)	S6-24-3SPL [1.4-33]	 VT-3 10 (VT-4)	1/12/85			





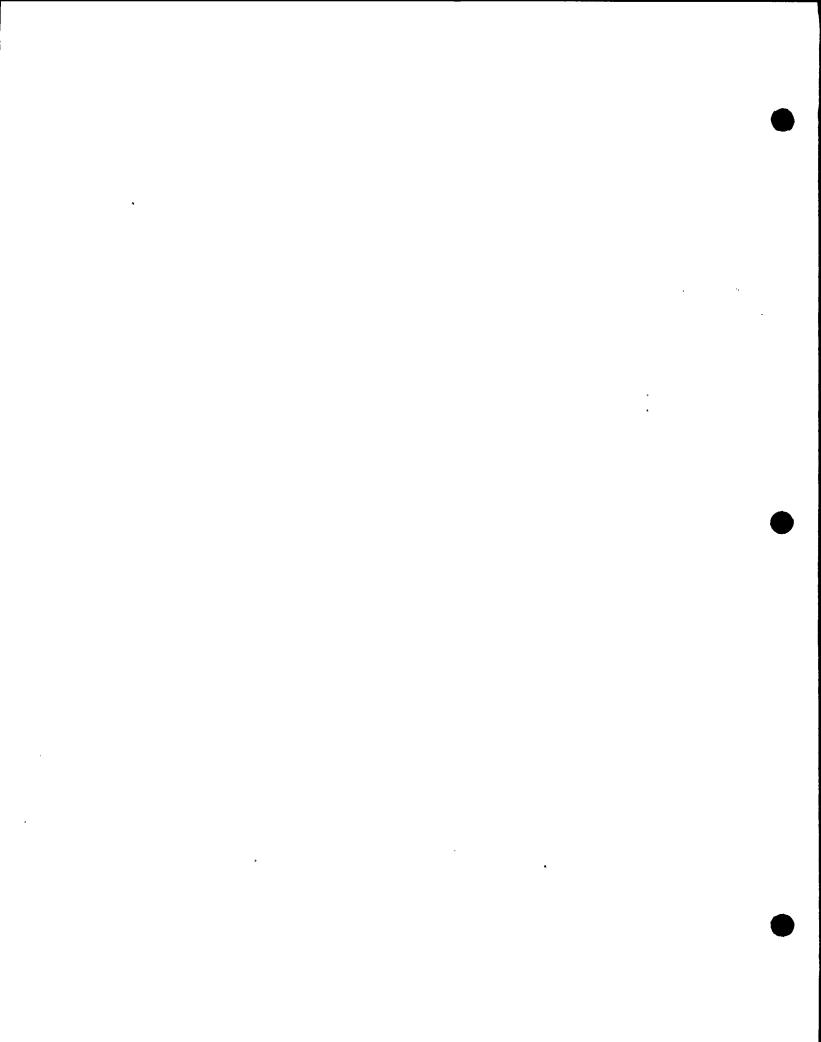
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PIPING SUPPORTS (B-K) (1 PAGE 49 OF 57					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS .
B-K .	<u>Supports</u> - Cont'd						
B10.10 B11.10	Support Attach't Support Components		PT VT				
	3 Inch Nom.Diameter	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			•





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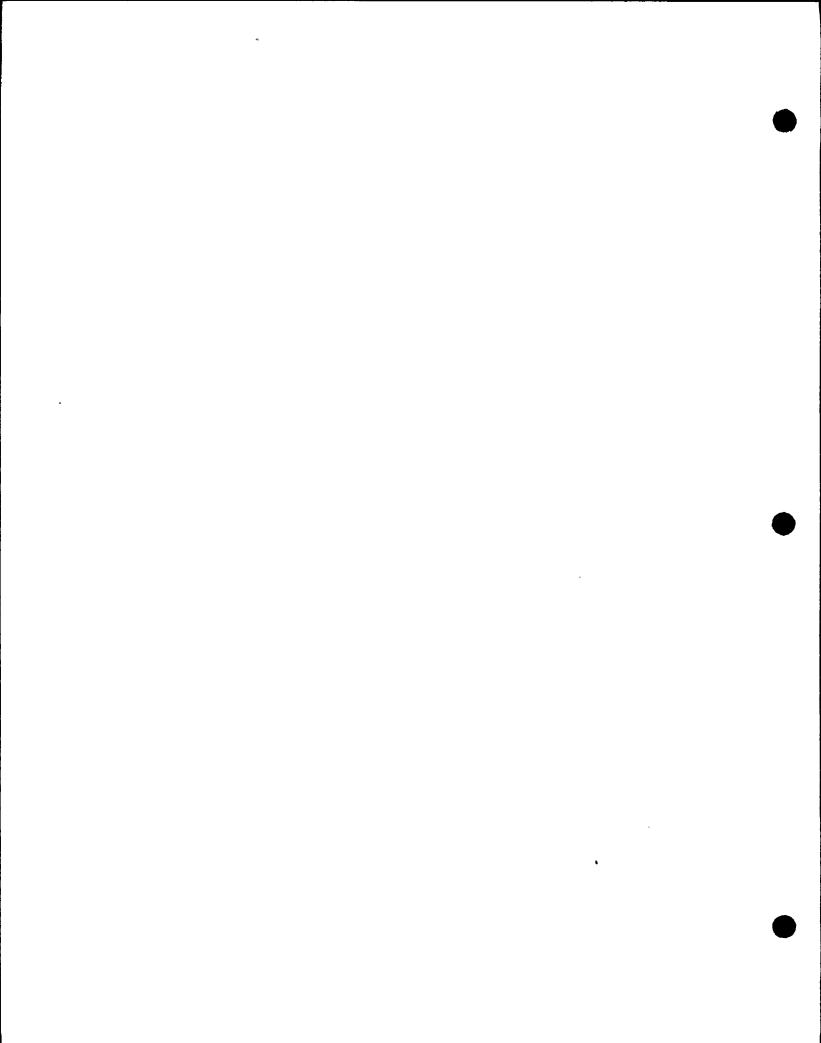
PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1							PAGE 50	SUPPORTS (B-K) (1.4) OF 57
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	DEMADIC
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS .
B-K,	<u>Supports</u> - Cont'd						;	
B10.10 B11.10	Support Attach't Support Components		PT VT				`	
	2 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.						
	Charging Line Aux Spra (8-554,595,596)	y S6-51-2SPL+ S6-4532-2SPL	PT	2	9/6/85			1
	(0 001,030,030)	[1.4-37] [1.4-38] [1.4-39]	VT-3 (VT-4	33	1/2/85			(VLV; B11:30 ITEM)
	Reac Cool Pp 1 Seal Wtr In (8-599)	S6-54-2 (AND) 1.5						i
		[1.4-40]	VT-3 (VT-4	) 2 .	1/10/85			
	Reac Cool Pp 2 Seal Wtr In (8-602)	S6-55-2 (AND) 1.5						
		[1.4-41]	VT-3 (VT-4	5	5/22/85			
	Reac Cool Pp 3 Seal Wtr In (8-597)	S6-56-2 (AND) 1.5				•		
	(0 00.)	[1.4-42]	VT-3 (VT-4		5/30/85			





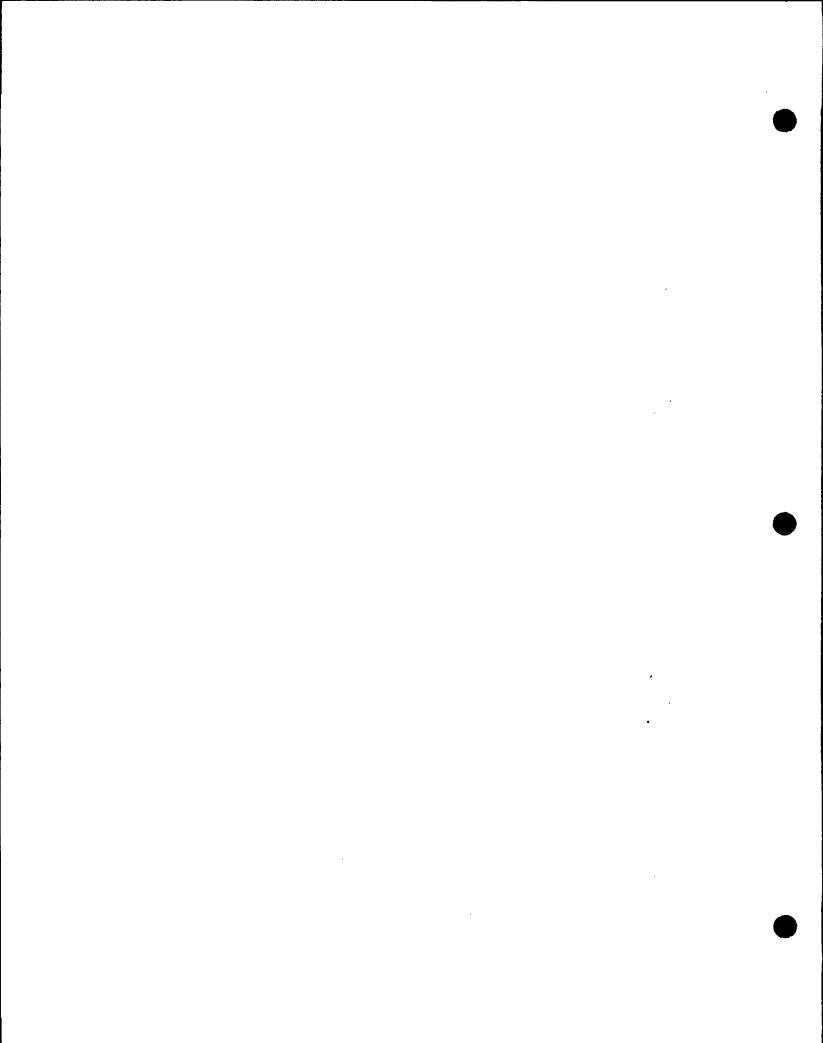


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	PAGE 51	SUPPORTS (B-K) (1.4) OF 57				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K .	Supports - Cont'd						
B10.10 B11.10	Support Attach't Support Components		PT VT				
	2 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.					
	Reac Cool Pp 4 Seal Wtr In (8-598)	S6-57-2 (AND) 1.5 [1.4-43]	VT-3 5 (VT-4)	1/17/85			
	Loop 1 Cold Leg Drain RCDT (7-434)	S6-958-2SPL+ [1.4-44]	VT-3 2 (VT-4)	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 2 (VT-4)	1/5/85			•





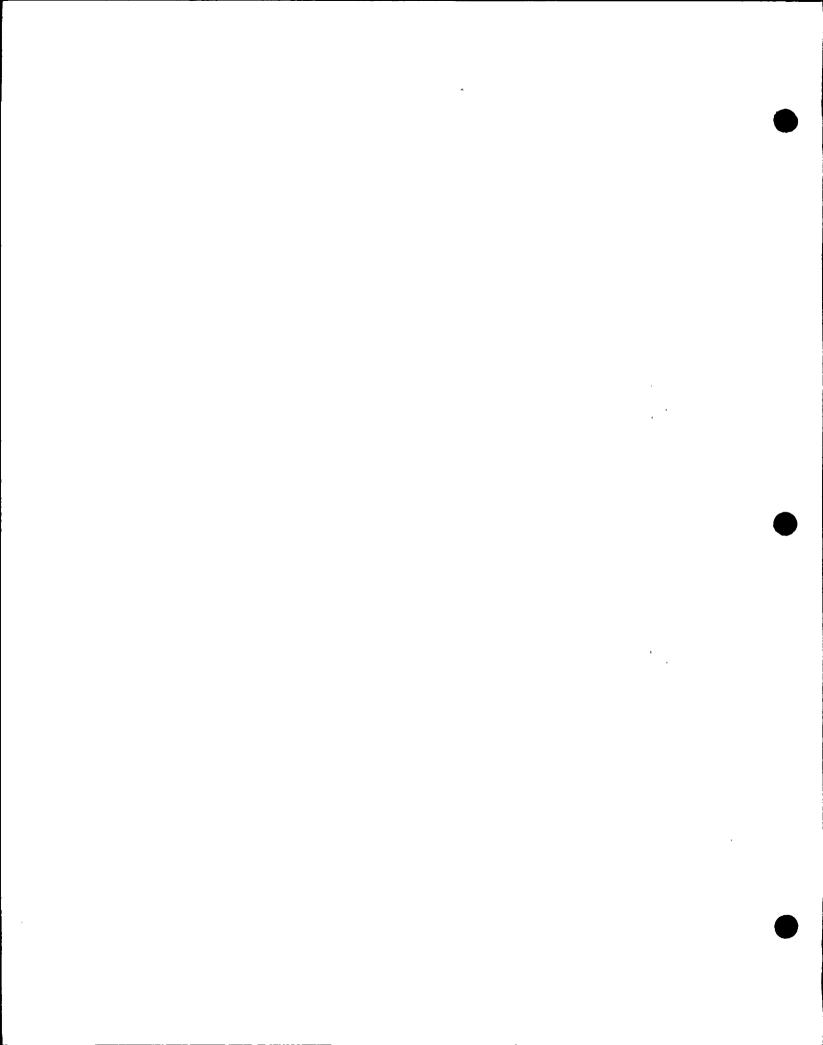
	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	ITEM: PIPING PAGE 52	SUPPORTS (B-K) (1.4)  OF					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	<u>Supports</u> - Cont'd							
B10.10 B11.10	Support Attach't Support Components		PT VT					
	2 Inch Nom.Diameter Cont'd Loop 4 Cold Leg Drain RCDT (7-419)	Line No. & ISI DWG No. S6-961-2SPL+ [1.4-47]	VT-3	4	1/5/85			*
	KCD1 (7-419)	[1.4-4/]	(VT-4		1, 5, 65			
	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	<b></b>		•
	SI Pp 2-1 Inj Hot Leg Loop 2 (2-9-31B,450)	\$6-3864-2 [1.4-12]						No supports in boundary
	Safety Inj Hot Leg Loop 3 (9-444)	S6-1976-2 Γ1.4-487				<b>≂</b> ↔		l No supports in boundary





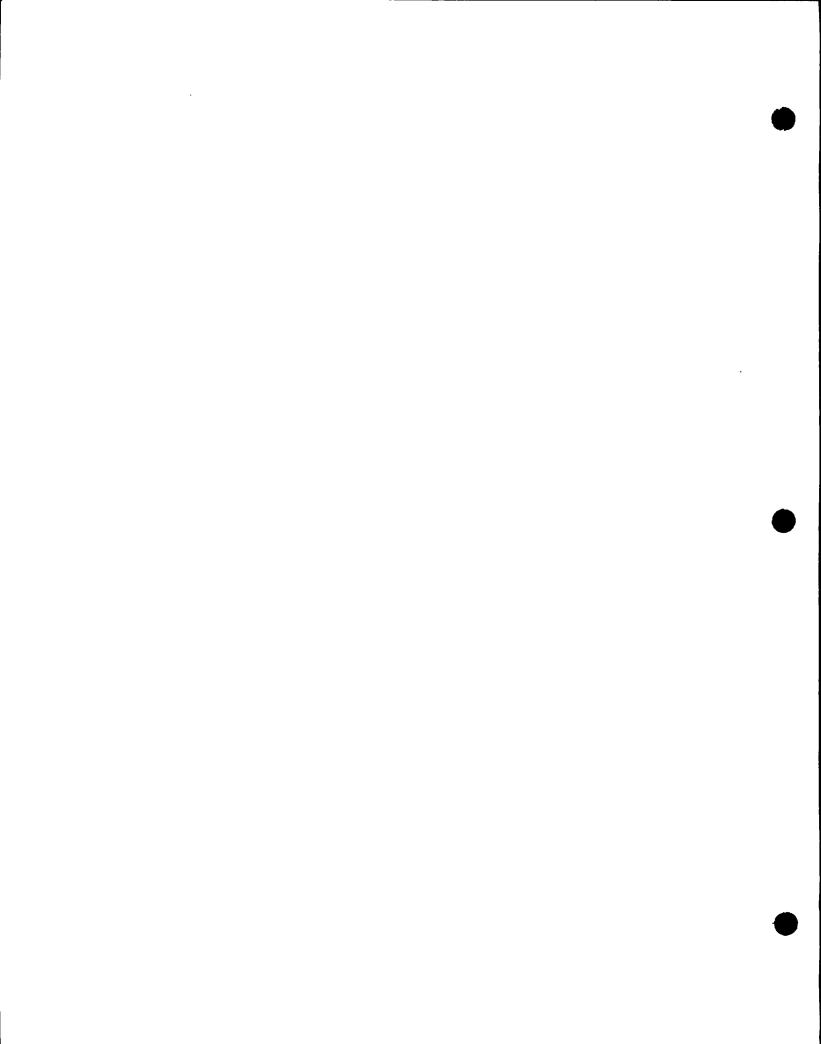


	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 1						PAGE 53	G SUPPORTS (B-K) (1.4)  OF57
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION		TÓTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd							
B10.10 B11.10	Support Attach't Support Components		PT VT					
	2 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.						
	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 (Recirc (9-33,412)	1 S6-3855-2SPL+ [1.4-15]						No Supports in Boundary
	SI Pps Cold Leg Loop Recirc (9-32,413)	2 S6-3856-2SPL+. [1.4-16]	 VT-3 (VT-4)	2	6/6/85			Ĭ
	SI Pps Cold Leg Loop Recirc (9-34,446)	3 S6-3857-2SPL+ [1.4-17]	VT-3 (VT-4)	5·	5/31/85			•





	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PIPING PAGE 54	S SUPPORTS (B-K) (1.4) OF57				
CATEGORY	<del></del>	0515041				CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd						
B10.10 B11.10	Support Attach't Support Components		PT VT				
	2 Inch Nom.Diameter	Linei No. & ISI DWG No.					
	SI Pps Cold Leg Loop 4 Recirc (9-445)	\$ \$6-3858-2SPL+ [1.4-50]	VT-3 7 (VT-4)	1/2/85		 ·	
	Loop 1 Hot Leg RTD Cor Hdr (7-442,443)						No Supports in Boundry
	Loop 1 Hot Leg RTD Cor Hdr (2-7-423,448	nn S6-1145-2SPL 3) [1.4-52]	VT-3 1 (VT-4)	1/5/85			boundry
	Loop 3 Hot Leg RTD Cor Hdr (7-425,428)	nn S6-1151-2SPL [1.4-53]	VT-3 3 (VT-4)	1/14/85		₩ ₩ ₩	

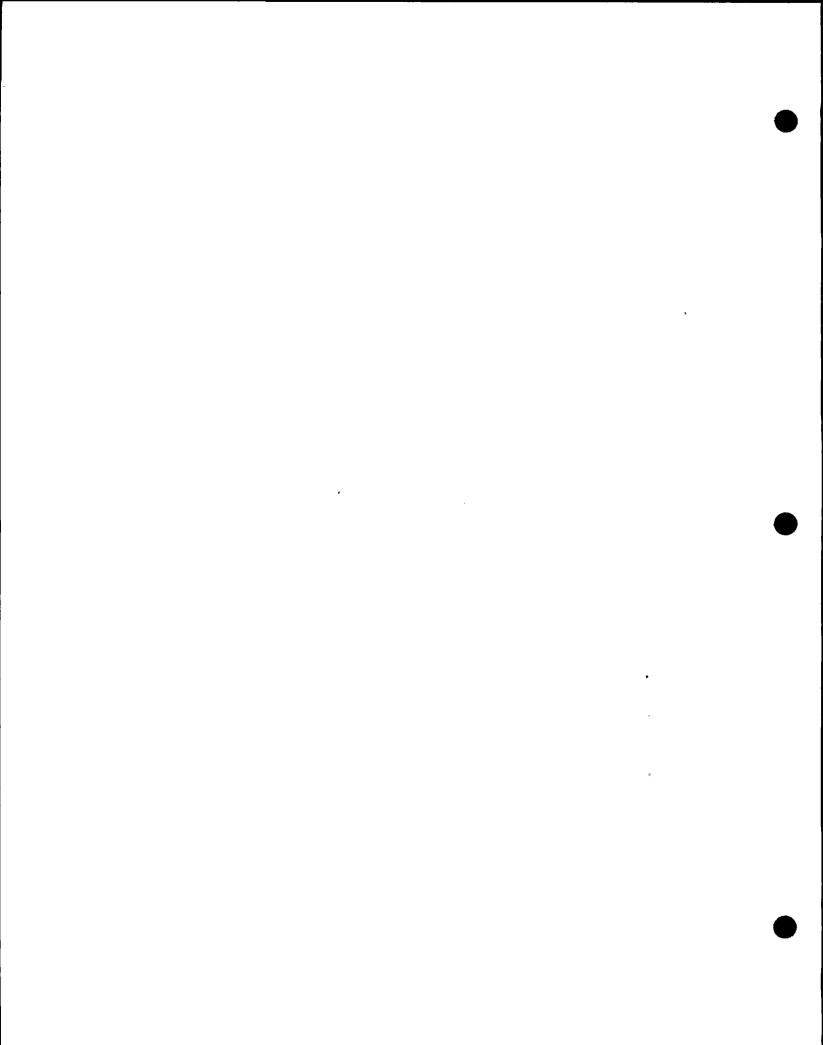




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	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PIPING 55	G SUPPORTS (B-K) (1.4) OF57				
CATEGORY		OFNEDAL		N CVAN	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTA		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-K	Supports - Cont'd	_					
B10.10 B11.10	Support Attach't Support Components		PT VT				
	2 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.					
	Loop 4 Hot Leg RTD Conn Hdr (7-426,427)	S6-1157-2SPL [1.4-54]	VT-3 3 (VT-4)	1/5/85			
	Loop 1 Cold Leg RTD Conn (7-441)	S6-1140-2SPL [1.4-55]	 VT-3 1 (VT-4)	1/5/85			î ş
	Loop 2 Cold Leg RTD Conn (7-452)	S6-1146-2SPL [1.4-56]	VT-3 3 (VT-4)	1/5/85			
	Loop 3 Cold Leg RTD Conn (7-447)	S6-1152-2SPL [1.4-57]	VT-3 2 (VT-4)	1/19/85			

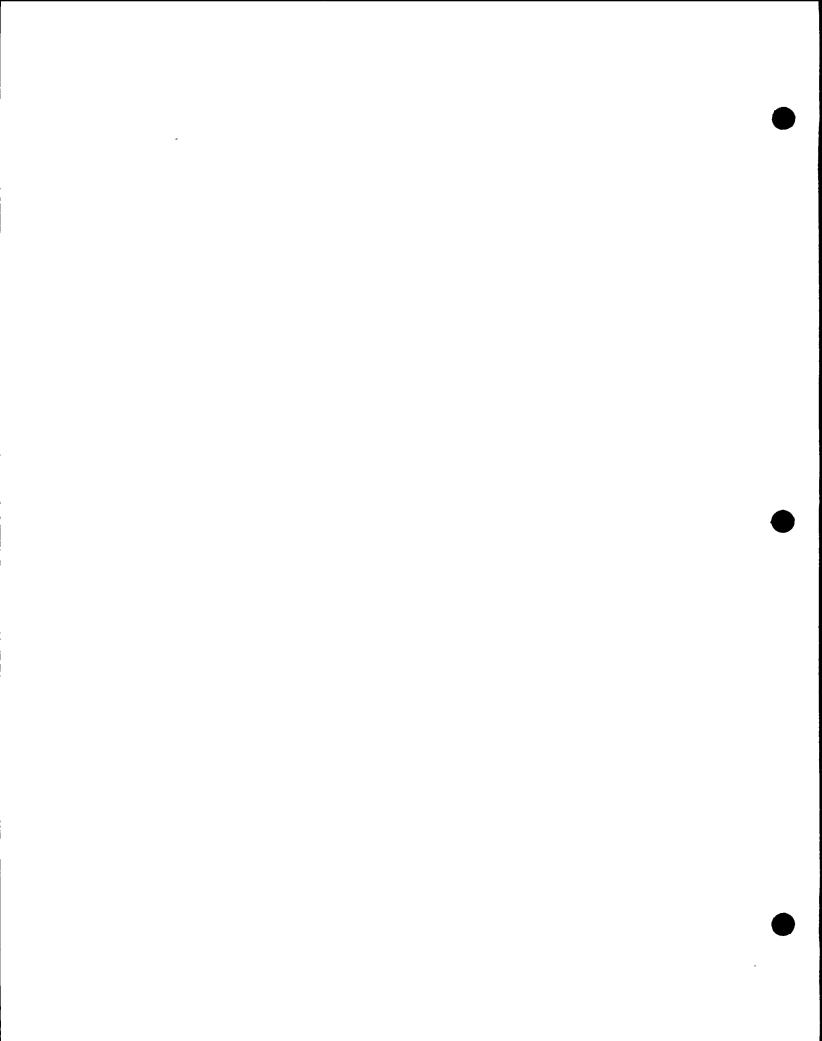






PGandE	,	DIABLO CANYON POWER PLANT - UNIT 2
PRESERVICE INSPECTION SUMMARY		ITEM: PIPING SUPPORTS (B-K) (1.4)

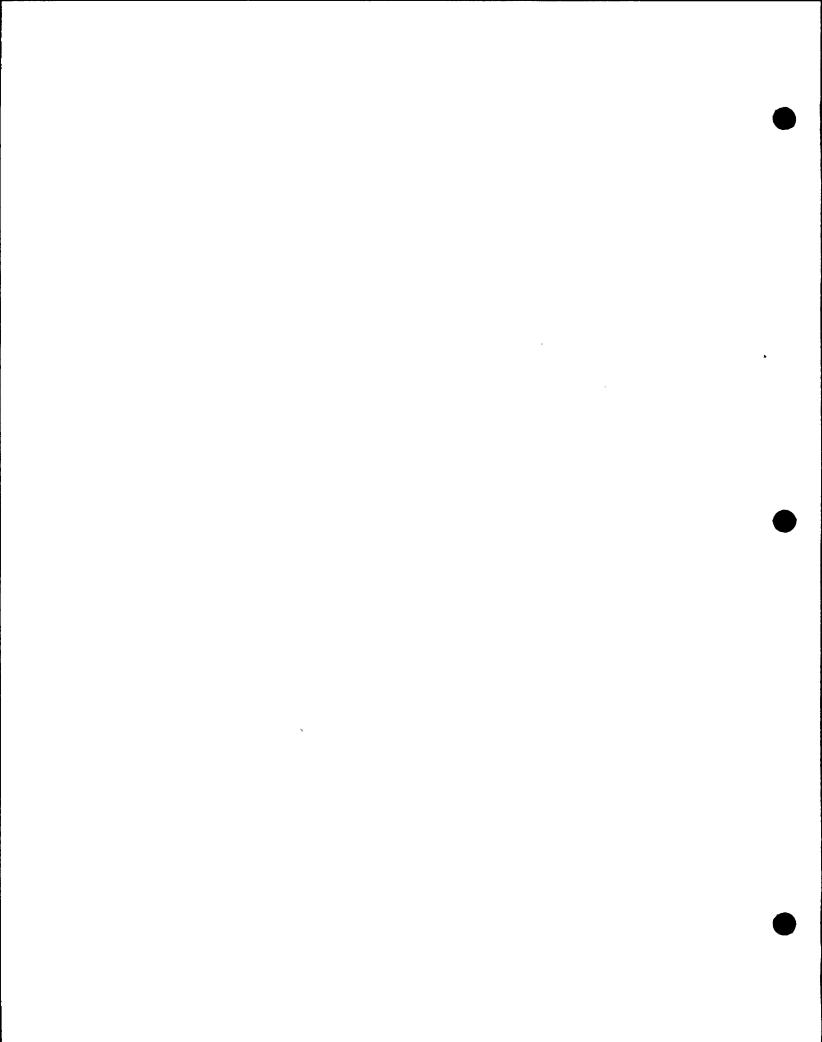
ASME SECTION XI SYSTEMS-CLASS 1							PAGE <u>56</u> 0F <u>57</u>		
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION		OTAL TEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS	
B-K	Supports - Cont'd						;		
B10.10 B11.10	Support Attach't Support Components		PT VT				•		
	2 Inch Nom.Diameter Cont'd	Line No. & ISI DWG No.			•				
*	Loop 4 Cold Leg RTD Conn (7-446)	S6-1159-2SPL [1.4-58]	VT-3 (VT-4)	3	1/5/85				1 2 2
	1.5 Inch Nom.Diameter							•	
	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				4.4
	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 <sup>,</sup>	1/4/85		-,		



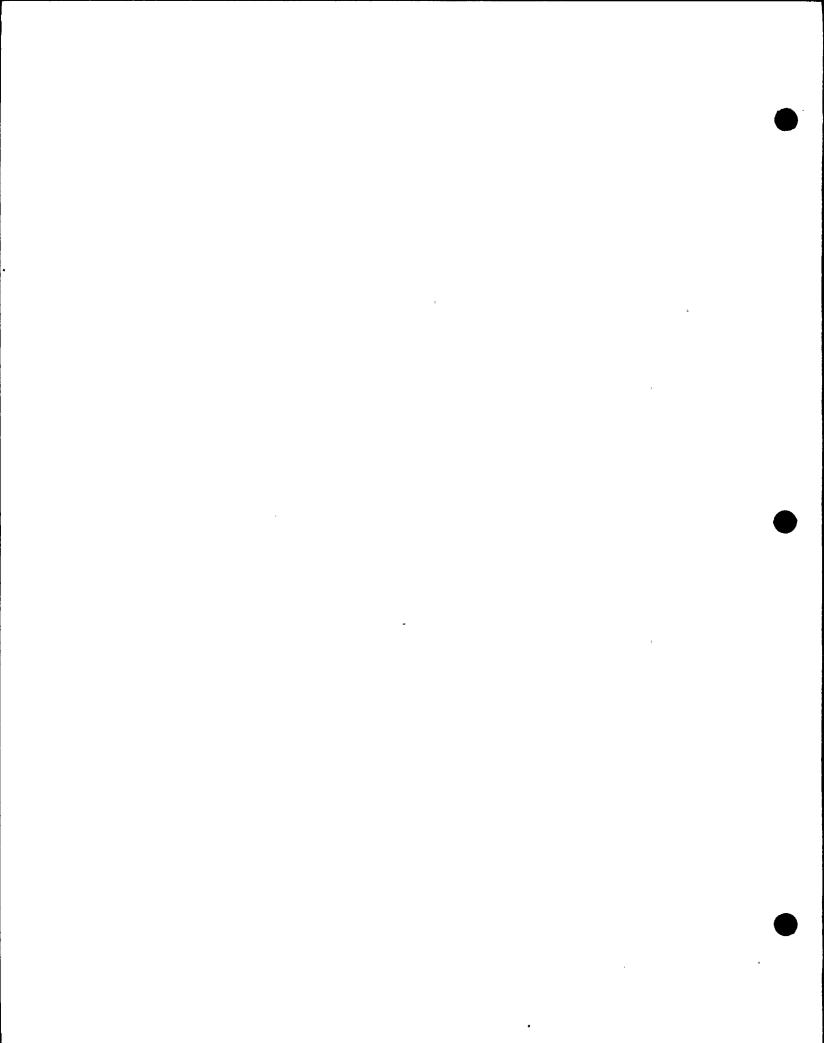


UNIT 2

	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	PAGE 57 OF 57						
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-K .	Supports - Cont'd							
B10.10 B11.10	Support Attach't Support Components		PT VT					
	1.5 Inch Nom.Diameter	Line No. & ISI DWG No.	••					•
	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		. <b></b>	•
	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		1/5/85		,	



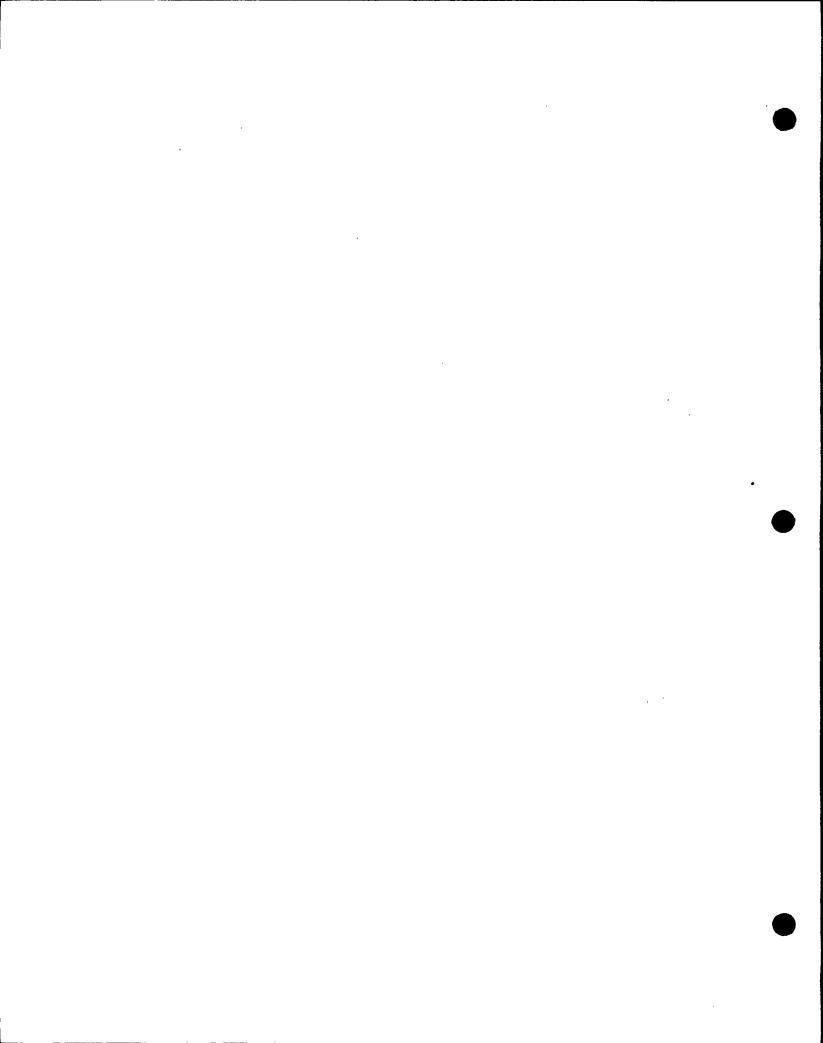
C.3. Pumps







	E INSPECTION SUMMARY ION 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
	Pumps REACTOR COOLANT PUMPS	DWG. REF DC663207-34 [1.5-1]						······································
B-G-1	Pressure Retaining Bolting							
B6.180	Bolting larger than 2" Dia.	Flance				•		Elango holting ovaminod
	Pump Flange	Flange Bolting						Flange bolting examined with Cal. Std. preceding
	Bolts and Studs; <u>In</u> <u>Place</u> , Pump 2-1	Bolts No. 1 · Thru No. 24	UT	24	6/15/78	***		Section XI guidance. Future exams to use code notch std.
B6.190	Pump Flange Bolts and Studs, <u>When</u> <u>Removed</u> , Pump 2-2		UT PT/MT	24				Exams not required for preservice inspection
B6.200	Bolting (Ligaments between bolt holes)		ΥŢ	24				Exams not required for preservice inspection

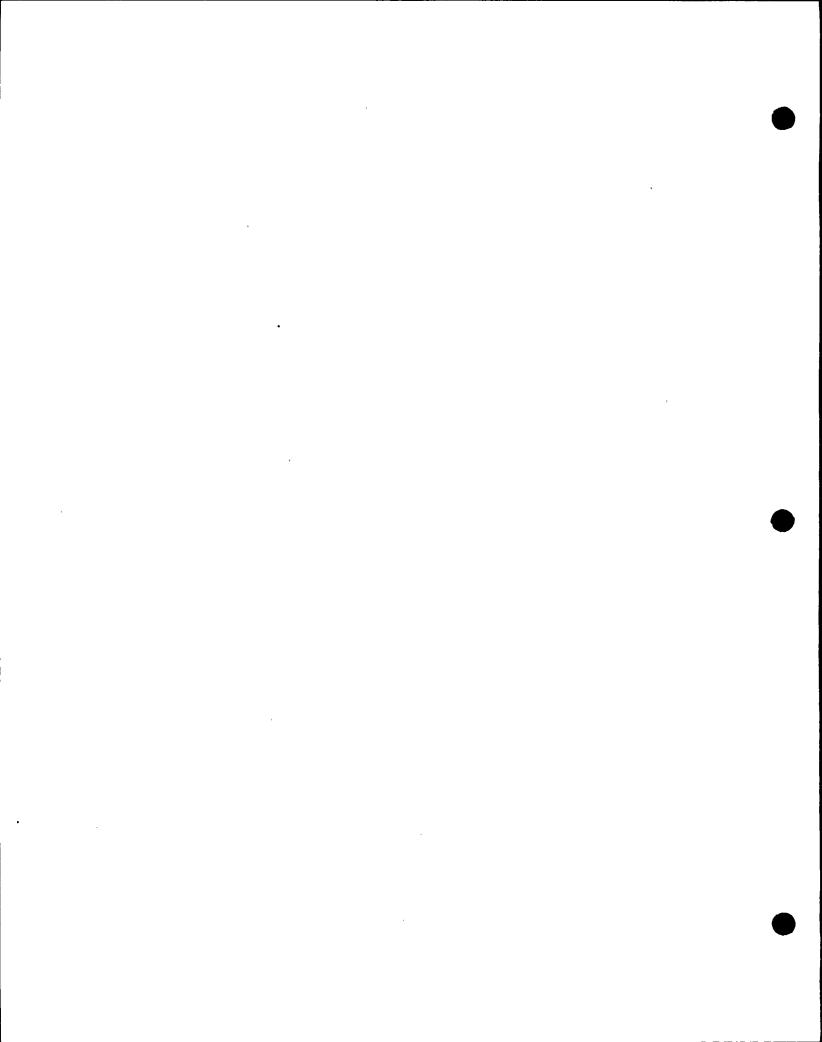




DIABLO CANYON POWER PLANT

UNIT 2

	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						PAGE 2 OF 5		
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 B7.60	Pressure Retaining Bolting < 2" Dia.	Seal House Bolting						Accessible Surfaces	
	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		<b></b>	Bolts ultrasonically tested 6/23/78	

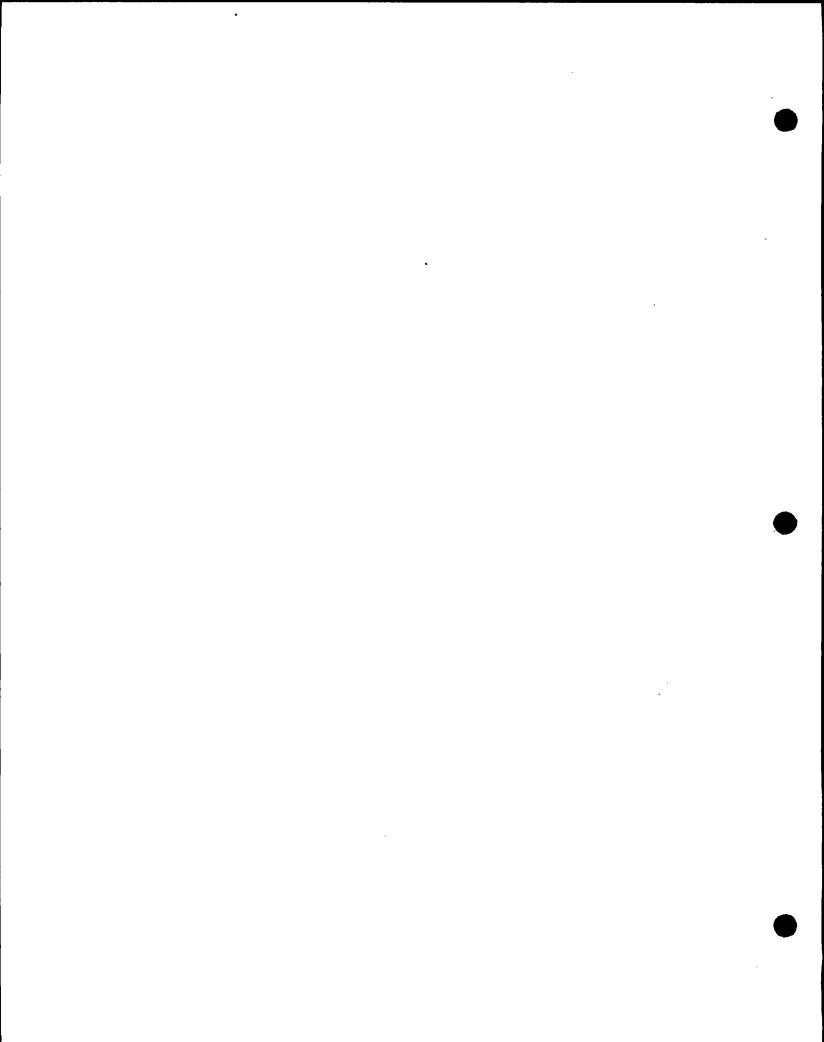




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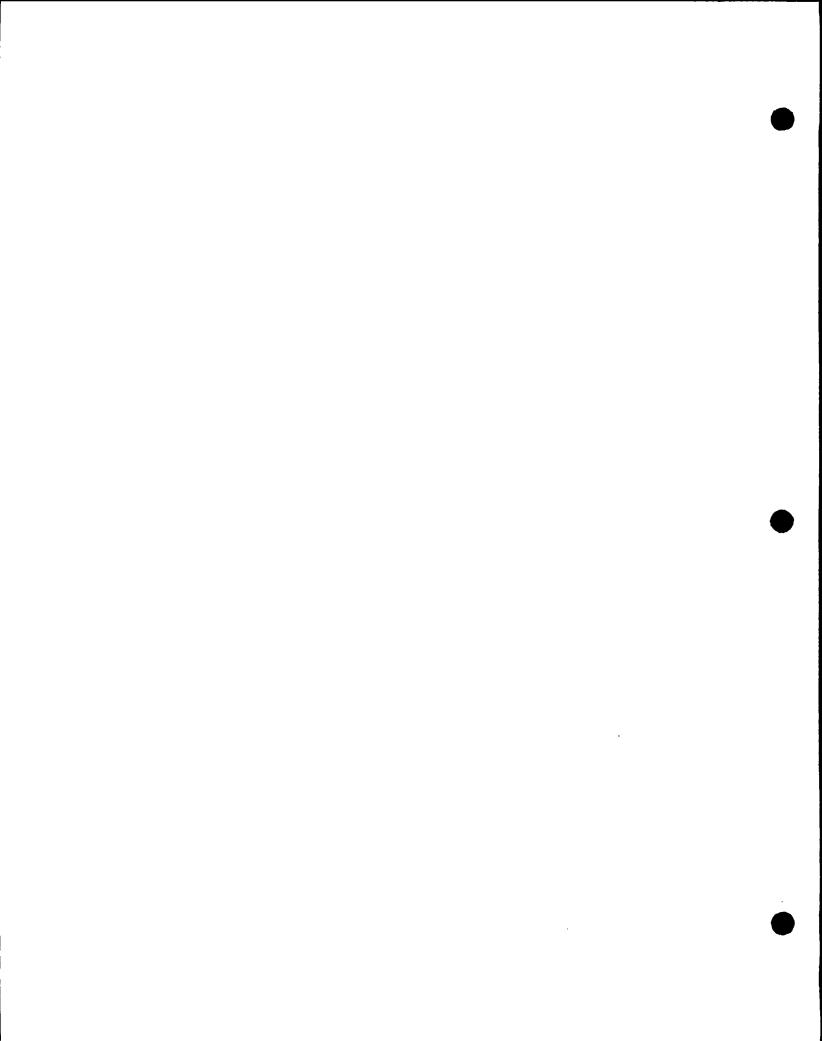


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	ITEM: PUMPS PAGE 3	(B-K) (1.5) OF 5					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	PUMPS Cont'd REACTOR COOLANT PUMPS		•					
B-K-1	Integrally Welded Attachments (To Pressure Bound.)							
B10.20	Welded Attachments Pump 2-1	WELDS #1, #2, #3 [1.5-1]	PT .	(3)	1/29/85	~~~	e- == ta	j
B-K-2	Support Components	Support						
B11.20	Support Components Pump 2-1	Components	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



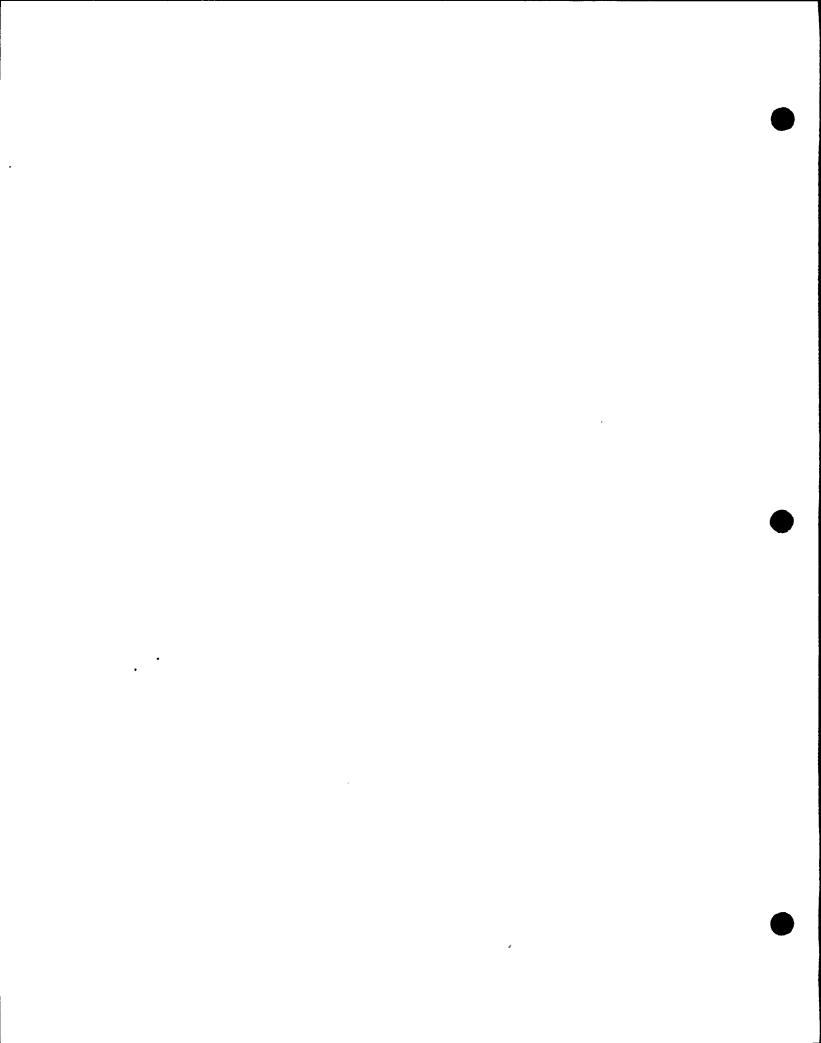


	CE INSPECTION SUMMARY		<del></del>			<del></del>	ITEM: PUMPS PAGE 4	(B-K) (1.5) 0F5
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	PUMPS - Cont'd REACTOR COOLANT PUMPS		-					
		: !						
B-K-2	Support Components Cont'd	Support Components						
B11.20	Support Components Pump 2-3		VT-3	(1)	2/2/85	~~~		Includes Åll Pump Support Members
B11.20	Support Components Pump 2-4		VT-3	(1)	2/2/85			Includes All Pump Support Members

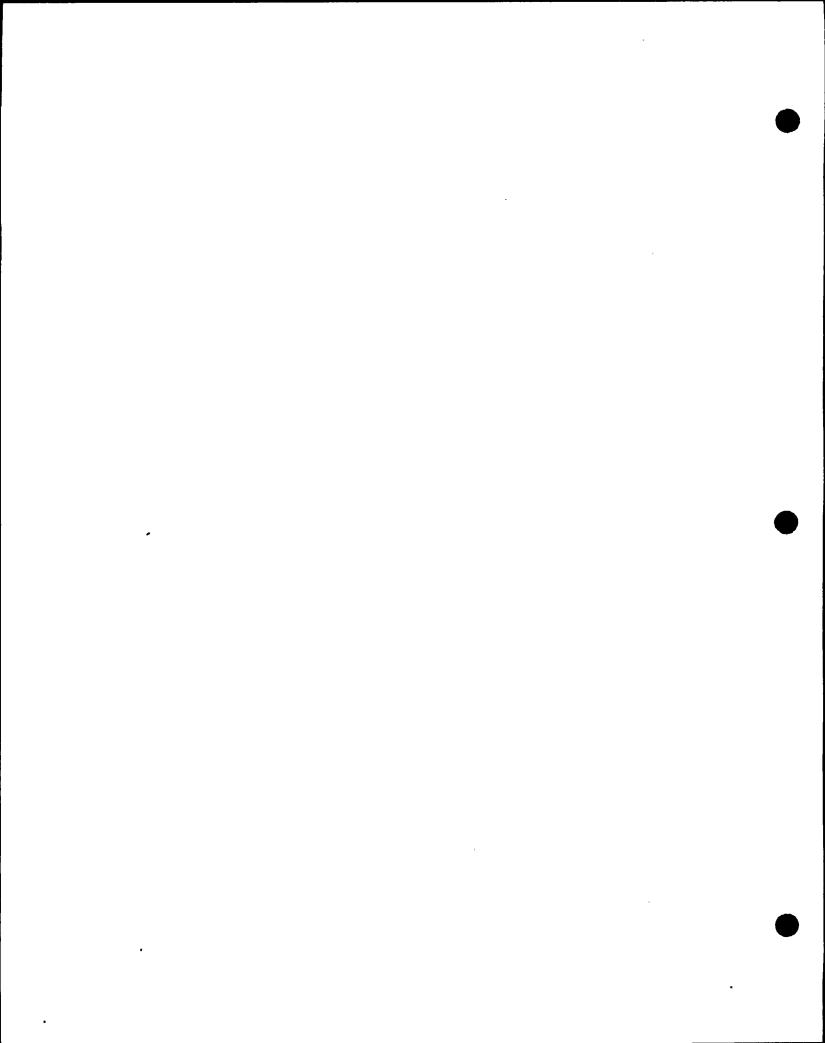




PRESERVIC ASME SECT	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	•			<u></u>		ITEM: PUMPS PAGE 5	(B-L) (1.5) OF5	
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS	
	PUMPS - Cont'd REACTOR COOLANT PUMPS								
B-L-1	Pressure Retaining Welds	RCP Pump Casing Welds							
B12.10	Pump Casing Welds								
B12.10	Reactor Coolant Pumps	Pump Body Girth Weld	*RT	(4) 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	Pump Casing Interior			-	., 40,				
B12.10	Reactor Coolant Pump 2-1, 2-2, 2-3 and 2-4.	RCP Internal Surfaces	VT-1	4	8/23/76	as as as		*Volumetric examination required by Code at the time of fabrication and examination	



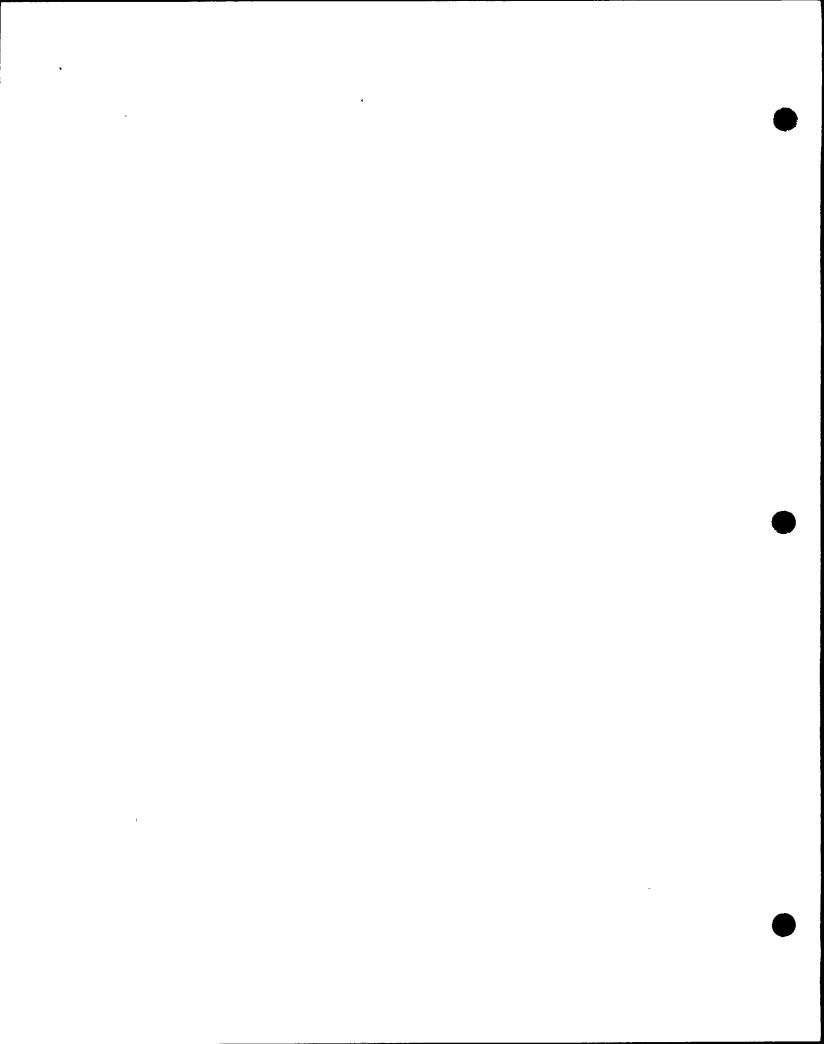
C.4. Valves







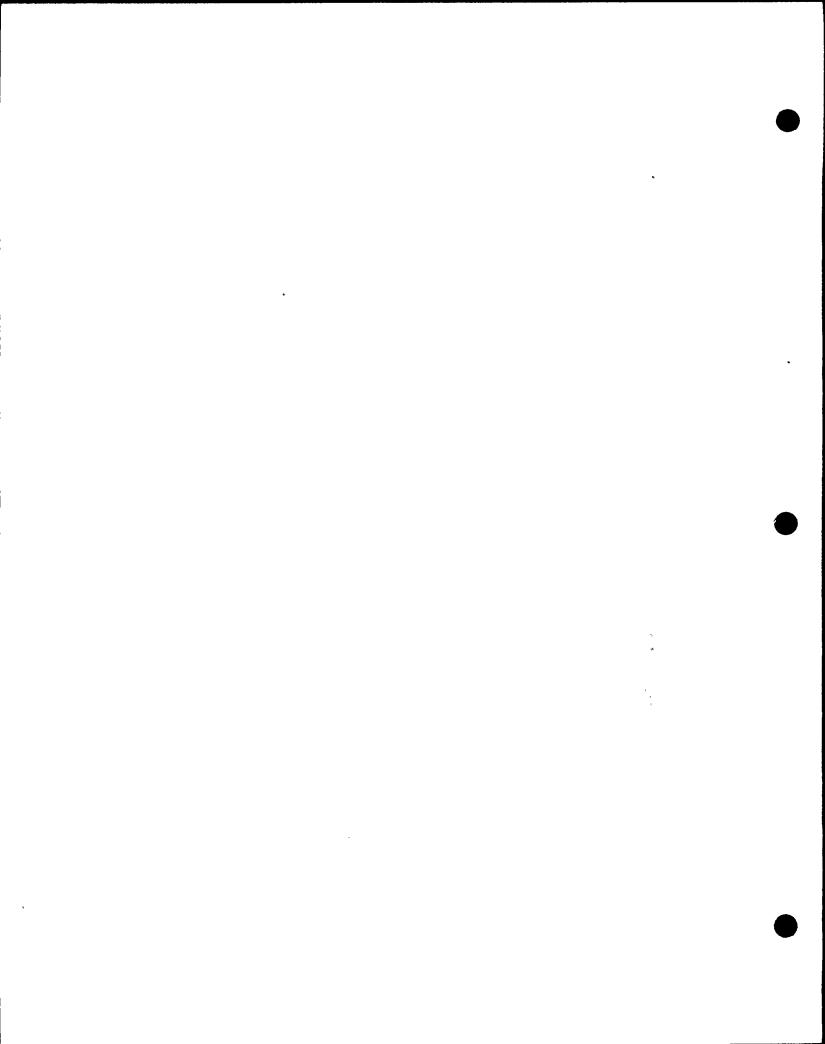
	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1						ITEM: VALVES PAGE 1	OF 17
CATEGORY		<del></del>	******	<del>-                                    </del>			CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION . (IF REQUIRED)	REMARKS
	VALVES				-			
B-G-1	Pressure Retaining Bolting						•	Items not applicable
B6.210	Bolting > 2" Dia.	•						,
B6.220	Bolts and Studs, When Removed	· .						
B6.230	Bolting							
B-G-2	Pressure Retaining Bolting							
B7.70	Bolting <u>&lt;</u> 2" Dia.						•	
B7.70	14 Inch Nom.Diameter	Line No. Valve No.(s)		(2)				Manufacturer & Style
	Hot Leg Recirc Before V-8702 (10-21,22) [1.4-10]	S6-109-14SPL V-8702	VT-1	16 Stue & Nuts	ds 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 Stue & Nuts	ds 11/7/75	·		Copes-Vulcan GM-48SEZ *Vlv. Bolting not
	•							seperately documented from internals. Leak-tight status confirms integrity







	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1		-				ITEM: VALVES PAGE 2	OF 17
CATEGORY	<del>,</del>						CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		AM TE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	<u>VALVES</u> - Cont'd							
B-G-2	Pressure Retaining Bo (2-Inch Dia. and Less) Cont'd	lting						•
B7.70	10 Inch Nom.Dia.	<u>Line No.</u> Valve No.(s)		(8)				Manufacturer & Style
	Accummulator Injec- tion 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
	Accummulator Injec- tion Loop 2 (9-12) [1.4-7]	S6-254-10SPL V-8956B V-8948B	VT-1 VT-1		1/31/85 1/22/85			Darling 10C48Z
	Accummulator Injec- tion Loop 3 (9-13) [1.4-8]	S6-255-10SPL V-8956C V-8948C	VT-1 VT-1		9/30/75 1/22/85			Darling 10C48Z
	Accummulator Injec- tion 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

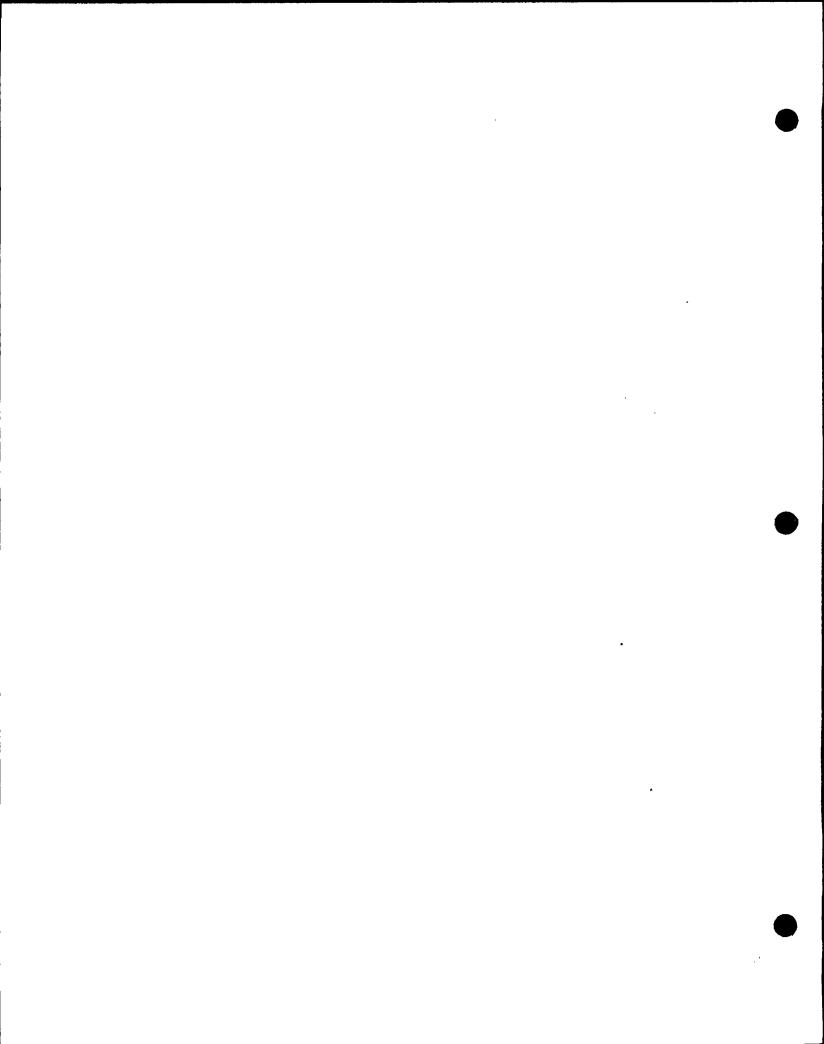






PGandE	Mar.	DIABLO CANYON POWER PLANT - UNIT 2
PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1		ITEM: VALVES (B-G) (1.6) PAGE 3 OF 17

CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EX.		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	<u>VALVES</u> - Cont'd  Pressure Retaining Bol	tina						•
3-U-Z	(2-Inch Dia. and Less) Cont'd	cing						
37.70	8-In. Nom. Dia.	Line No Valve No.(s)		(2)				Manufacturer & Style
	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]	\$6-2576-8 *V-8740B	VT-1	16 Studs & Nuts	10/8/75			Darling 8C48Z
B7.70	6-Inch Nom.Dia.			(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	5 <b></b>		Velan 6C58
	Safety Inj Loop 3 Hot Leg (9-35) [1.4-13]	S6-237-6SPL V-8949C	VT-1	12 Studs & Nuts	1/31/8	5 <b></b> -		Velan 6C58 *Vlv. bolting not
DC0508 8	01111				,			seperately documented from internals. Leak tight status confirms integrity.

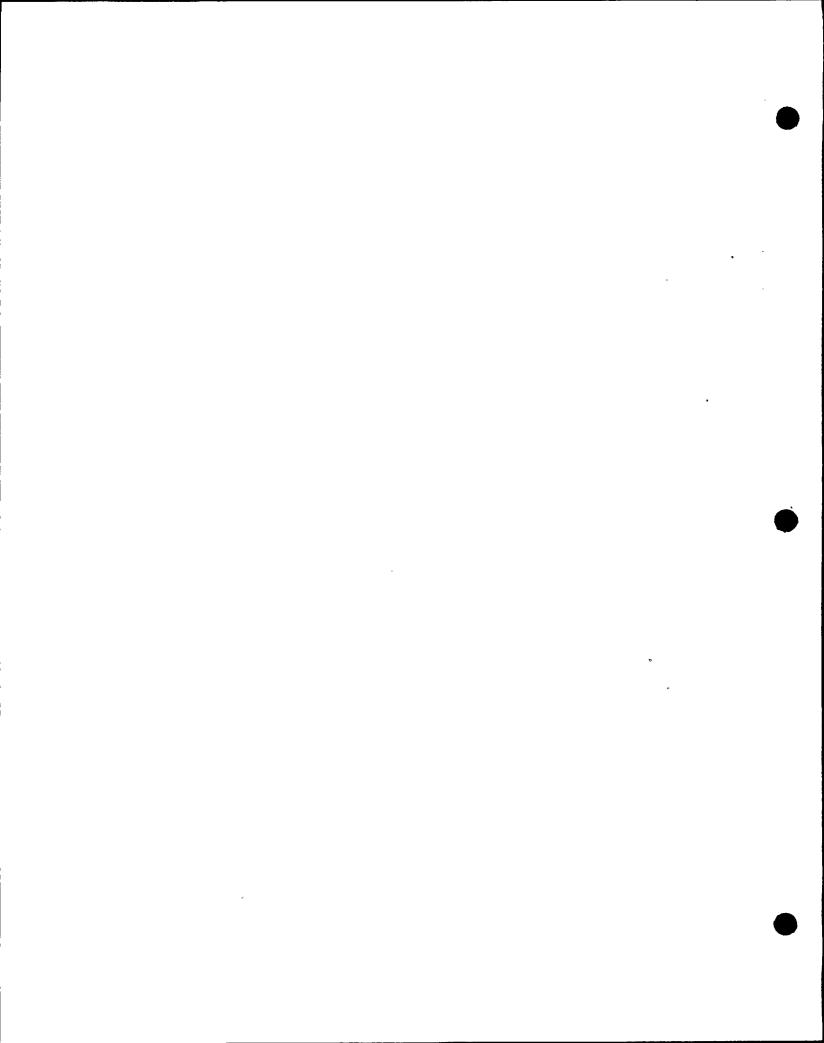




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	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	and the second s					ITEM: VALVES PAGE 4	OF 17
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EX		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bo (2-Inch Dia. and Less			5	* ****			
B7.70	6 Inch Nom. Diameter Cont'd	Line No. Valve No.(s)						Manufacturer & Style
	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		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	5		Velan 6C58

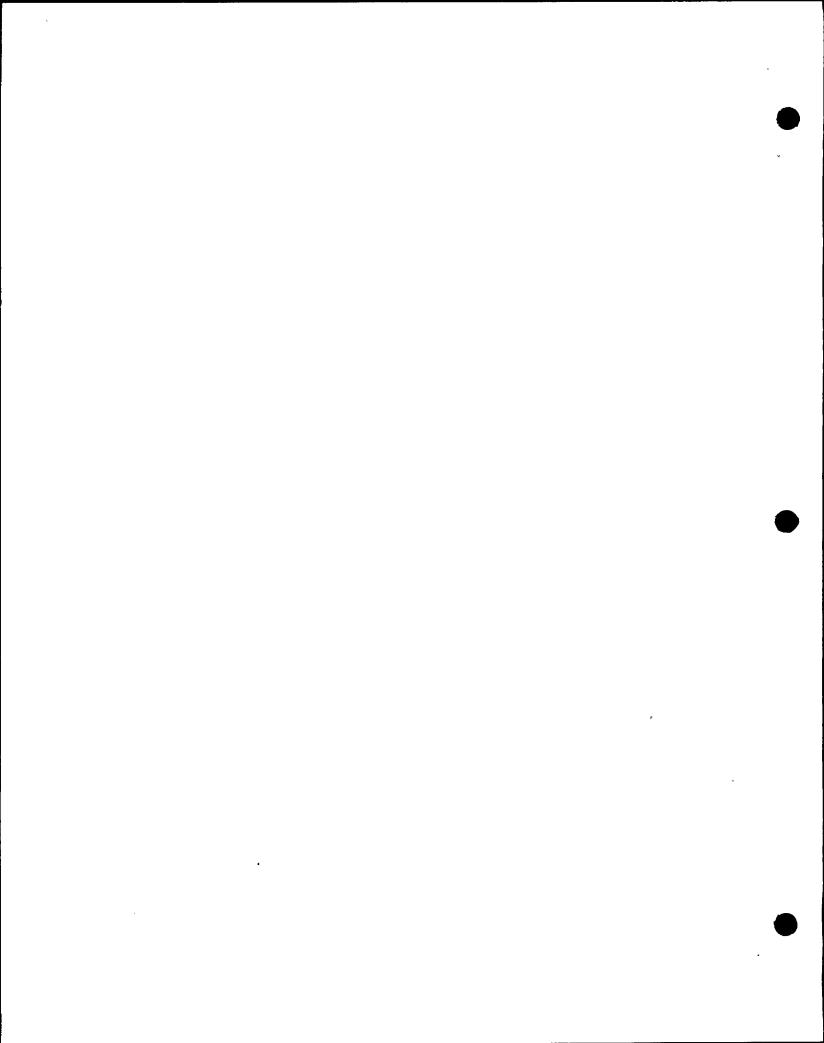




DIABLO CANYON POWER PLANT

UNIT 2

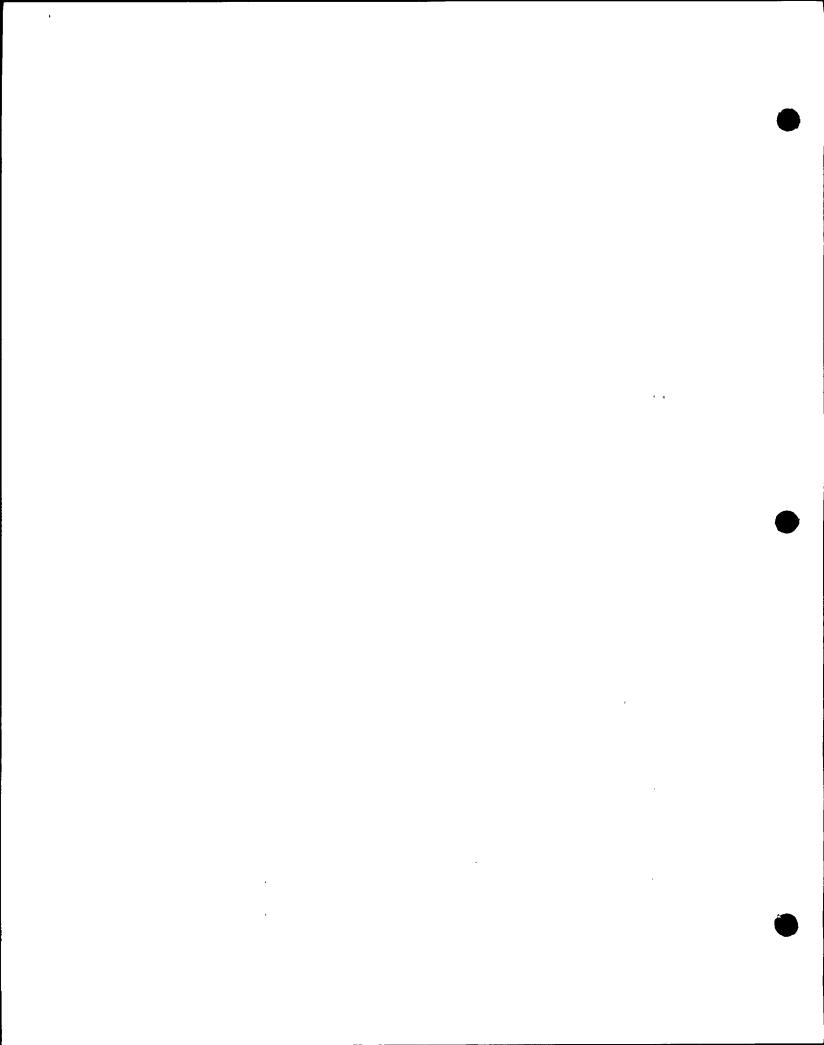
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1						ITEM: VALVES PAGE 5	(B-G) (1.6) OF 17
CATEGORY	<del> </del>						CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EX ITEMS DA		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bo (2-Inch Dia. and Less	lting )(Cont'd)						<u>Manufacturer</u>
B7.70	6-In. Nom. Dia. Cont'	Line No. Valve No.(s)						<u>&amp; Style</u>
	RHR Pp1-2 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	12 Studs 12 Studs 8 Studs & Nuts	1/28/85			Velan 4G58 4G58 Copes-Vulcan 4RA58RGA *Vlv. bolting not seperately documented from internals. Leak- tight status confirms integrity.







	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1						ITEM: VALVES PAGE 6	(B-G) (1.6) OF 17
CATEGORY		OF UED 41		TOTAL 5V		COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		AM TE.	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
B-G-2	VALVES - Cont'd Pressure Retaining Bol (2-Inch Dia. and Less)	ting (Cont'd)						
B7.70	4-Inch Nom. Dia.	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			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	<u>.</u>		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	<b>,</b>		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	· ;	a- 40 40	Velan 3G58

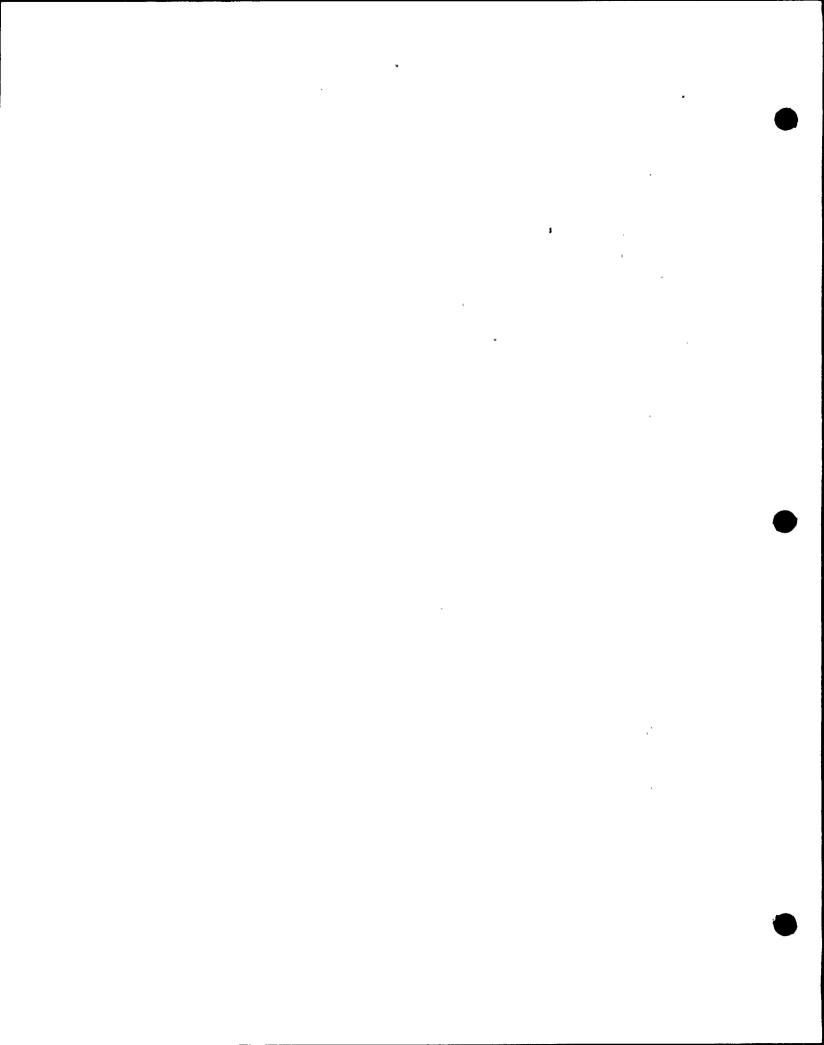




## DIABLO CANYON POWER PLANT - UNIT 2

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	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1							VALVES (1	B-G) (1. F <u>17</u>	
CATEGORY	<del></del>			<del></del> -			CORRECTI			
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EXAI		COND. NOTED	ACTION (IF REQUI		REMARKS	
B-G-2	VALVES - Cont'd Pressure Retaining Bol (2-Inch Dia. and Less)						÷.			
B7.70	3-Inch Nom. Dia. Cont'd	Line No. Valve No.(s)							Manufact & Style	<u>urer</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	1/28/5		· 		Velan 3G58	Į.
	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 V-8379B	VT-1 VT-1		1/30/85 1/30/85				Velan 3C58 3C58	t

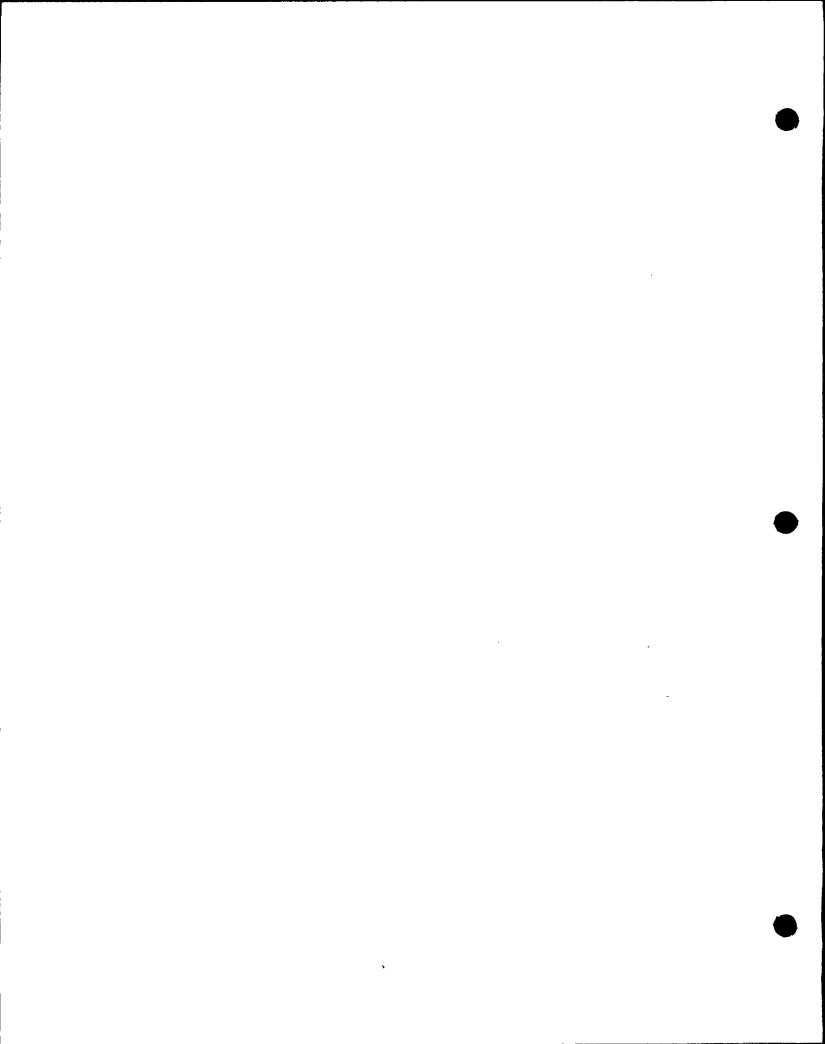








	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 1	ITEM: VALVES PAGE 8	0F 17					
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		KAM NTE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	<u>VALVES</u> - Cont'd							
B-G-2	Pressure Retaining Bol (2 Inch Dia. and Less)						•	
B7.70	3-Inch Nom. Dia. Cont'd	Line No. Valve No.(s)						Manufacturer & Style
	Charging Line Loop 3 (8-64) [1.4-31] (CVCS Alternate)	S6-50-3SPL V-8379A V-8378A		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	<b></b>		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	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		1/29/8! 1/29/8!			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	1/29/8 1/29/8			Velan 3GM58FN Masoneilan 3IA58RGP

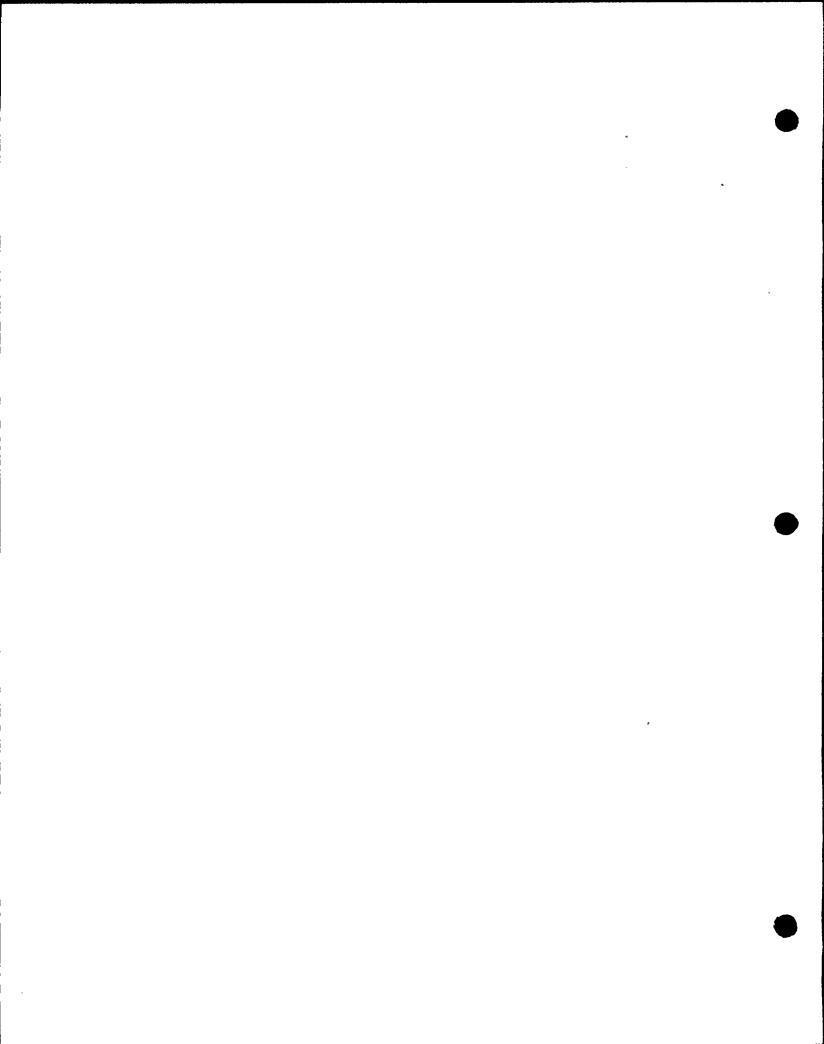




DIABLO CANYON POWER PLANT

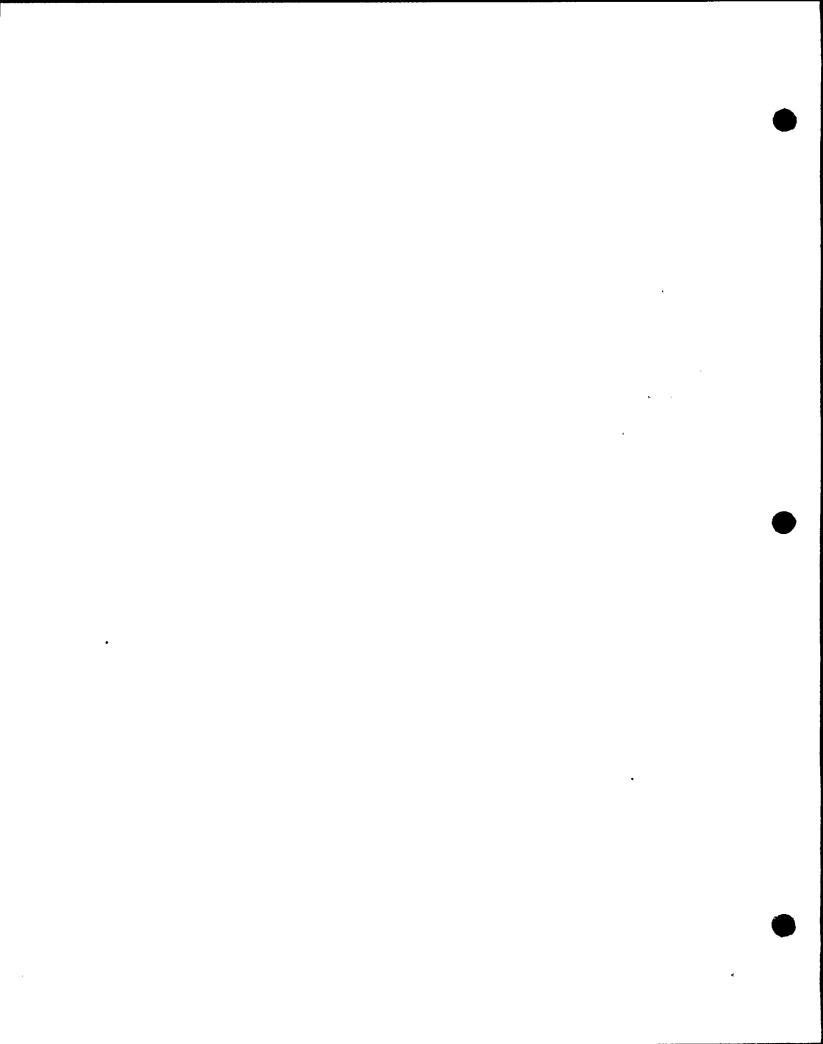
UNIT 2

PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1  ITEM: VALVES (B-G) (1.6) PAGE 9 0F 17								
CATEGORY					•••		CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EX ITEMS DA		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
•	<u>VALVES</u> - Cont'd							
B-G-2	Pressure Retaining Bol (2-Inch Dia. and Less)	ting (Cont'd)						Manufacturer & Style
B7.70	3-Inch Nom. Dia. Cont'd	<u>Line No.</u> <u>Valve No.(s)</u>					•	<u>u                                    </u>
	Pressurizer Power RV PCV-456 (7-23) [1.4-36]	S6-1195-3SPL+ V-8000C 2-PCV-456	VT-1 VT-1	12 Studs 8 Studs and Nuts	1/29/85 1/29/85		 	3GM58FN 3IA58RGP
B7.70	2-Inch Nom. Dia. Charging Line Aux Spray (8-596) [1.4-39]	S6-51-2SPL V-8145	VT-1	6 Studs & Nuts	1/31/85			Copes-Vulcan 21A58RE
	Charging Line Aux	S6-4532-2SPL V-8148	VT-1	6 Studs & Nuts	1/31/8	5		2IA58RE





	CE INSPECTION SUMMARY CTION XI SYSTEMS-CLASS 1					ITEM: VALVES PAGE 10	(B-G) (1.6) OF
CATEGORY	1				00110	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL EXAM ITEMS DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
<del>-</del>	<u>VALVES</u> - Cont'd						
B-G-2	Pressure Retaining Bo (2-Inch Dia. and Less						
B7.70	2-Inch Nom. Dia. Cont'd	<u>Valve No.(s)</u>					Manufacturer & Style
	Loop 1 Cold Leg Drain RCDT (7-434) [1.4-44]	S6-958-2SPL V-8057A V-8058A	VT-1 VT-1	2 Bolts 1/17/85 2 Bolts 1/17/85 and Nuts			(Rockwell) Edwards 2T58 Edwards 2T58
	Loop 2 Cold Leg Drain RCDT (7-436) [1.4-45]	S6-959-2SPL V-8057B V-8058B		2 Bolts 1/25/85 2 Bolts 1/25/85 and Nuts			Edwards 2T58 Edwards 2T58
	Loop 3 Cold Leg Drain RCDT [1.4-46](7-424)	S6-960-2SPL V-8057C V-8058C		2 Bolts 1/17/85 2 Bolts 1/17/85 and Nuts			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 1/17/85 2 Bolts 1/17/85 and Nuts			Edwards 2T58 Edwards 2T58





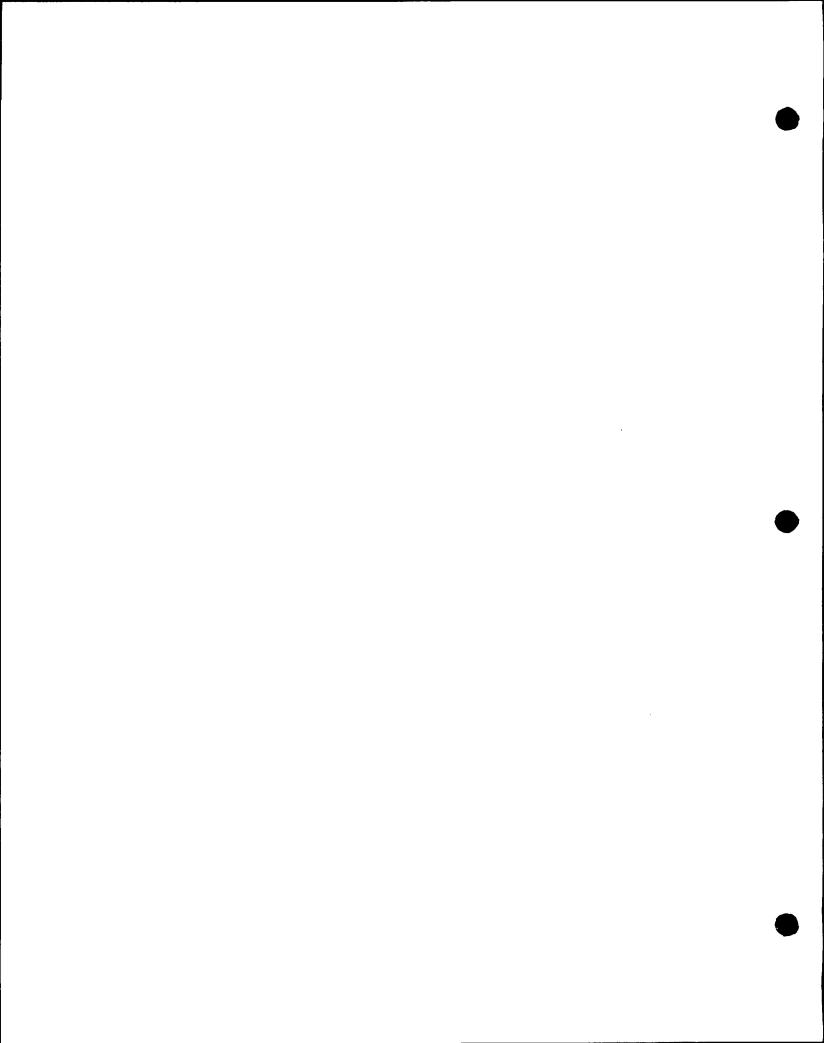
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	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1			ALVES (B-G) (1.6) 11 OF 17				
CATEGORY		OFUED II		TOTAL 5V	A11	COND	CORRECTIV	E .
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		AM TE ,	COND. NOTED	ACTION (IF REQUIR	ED) REMARKS
	<u>VALVES</u> - Cont'd							
B-G-2	Pressure Retaining Bol (2-Inch Dia. and Less)(Cont'd)	ting :			<u>*</u>			
B7.70	2-Inch Nom. Diameter Cont'd	Line No. Valve No.(s)						Manufacturer & Style
	Loop 1 Hot Leg RTD Conn Hdr. (7-422,443) [1.4-51]	S6-1139-2SPL V-8063A V-8067A			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		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		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

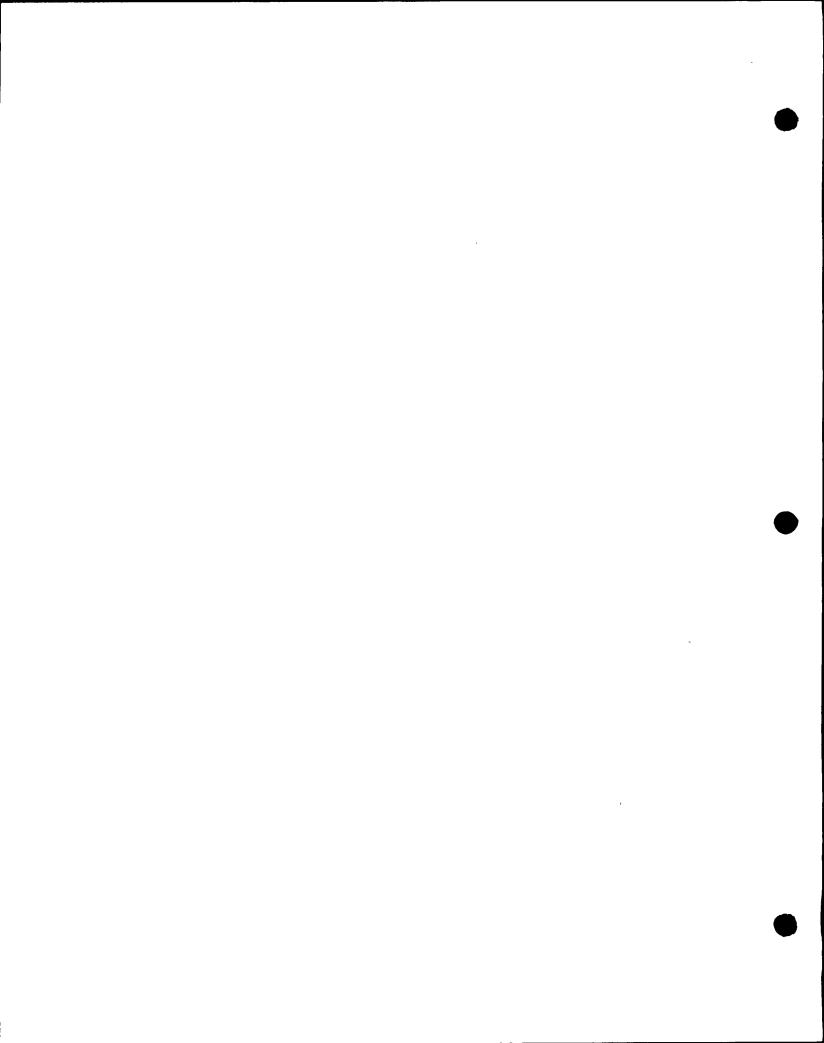








	E INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1						ITEM: VALVES PAGE 12	(B-G) (1.6) OF17
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	<u>VALVES</u> - Cont'd					· · · -		
B-G-2	Pressure Retaining Bol (2-Inch Dia. and Less)(Cont'd)	ting						
B7/70	2-Inch Nom. Diameter Cont'd	Line No. Valve No.(s)				٧		Manufacturer & Style
	Loop 1 Cold Leg RTD Conn (7-441) [1.4-55]	S6-1140-2SPL V-8089A V-8088A V-8075A		2 Bolts 2 Bolts 2 Bolts and Nut	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 Nut	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		1/30/85 1/30/85			Edwards 2T58 Edwards 2T58 Edwards 2T58

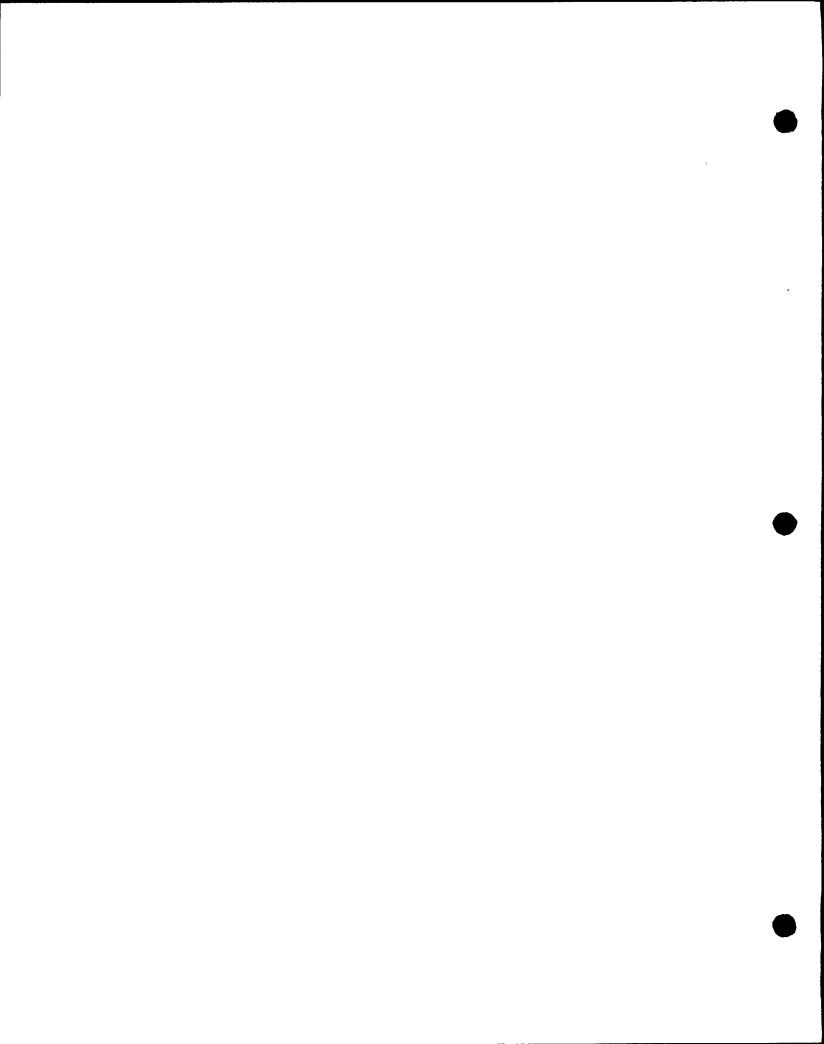




DIABLO CANYON POWER PLANT

UNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	ITEM: VALVES (B-G) (1.6) PAGE 13 OF 17						
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH		EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
¥	VALVES - Cont'd		·					h
B-G-2	Pressure Retaining Bo (2-Inch Dia. and Less)(Cont'd)	lting					<i>:</i>	
B7.70	2-Inch Nom. Diameter Cont'd	Line'No. Valve No.(s)						Manufacturer & Style
	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 and Nut	1/30/85 1/30/85			(Rockwell) Edwards 2T58 Edwards 2T58 Edwards 2T58

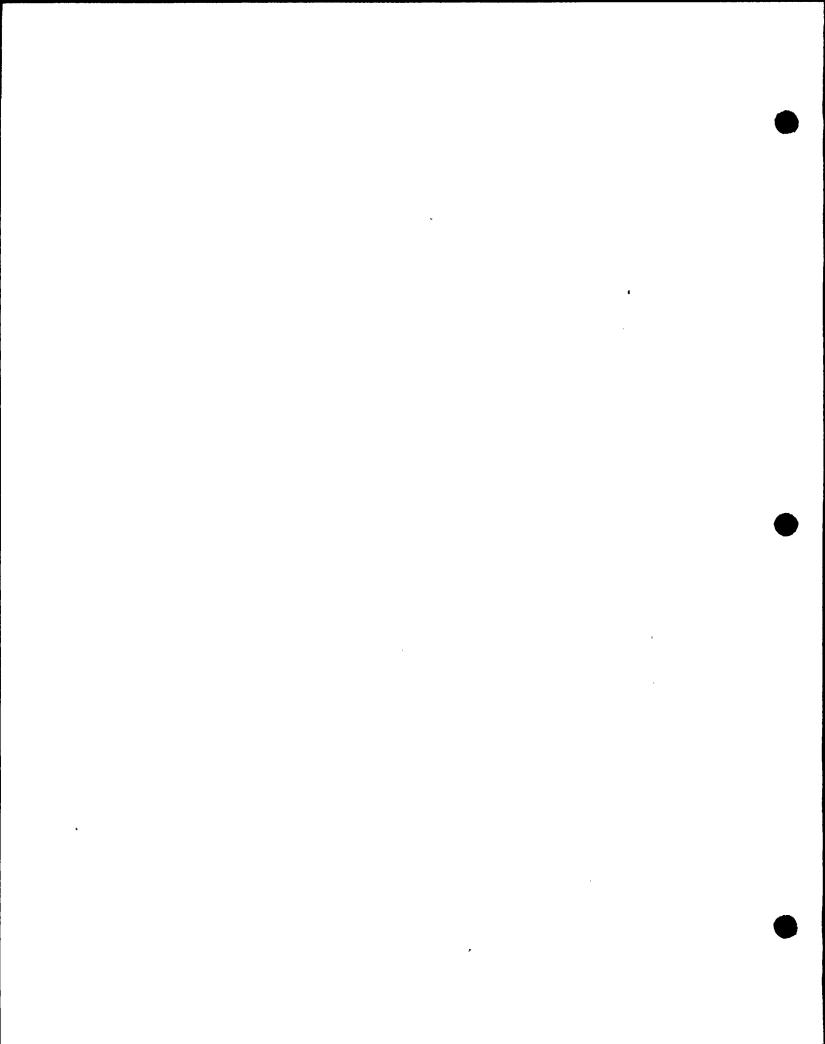








	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 1	PAGE VALVES	(B-G) (1.6) · OF 17					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	_	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	VALVES - Cont'd			•				
B-G-2	Pressure Retaining Bol	ting					•	
B7.70	Valve Bolting < 2" Dia	1.						
B7.70	1.5 Inch Nom.Diam.	Line No. Valve No.(s)						Manufacturer & Style
	Boron Inj Tk Out Loop Cold Leg (9-436) [1.4-59]	1 S6-1991-1.5 V-8810A	VT-1	2 Bolts & Nuts	1/29/85	D0 00 00		(Rockwell) Edwards 1.5T58
	Boron Inj Tk Out Loop Cold Leg (9-431) [1.4-61]	2 S6-1992-1.5 V-8810B	VT-1	2 Bolts & Nuts	1/30/85			Edwards <sup>†</sup> 1.5T58 ^
•	Boron Inj Tk Out Loop Cold Leg (9-437) [1.4-63]	3 S6-1993-1.5 V-8810C	VT-1	2 Bolts & Nuts	1/25/85			Edwards 1.5T58
	Boron Inj Tk Out Loop Cold Leg (9-439) [1.4-65]	4 S6-1994-1.5 V-8810D	VT-1	2 Bolts & Nuts	s 1/25/85			Edwards 1,5T58

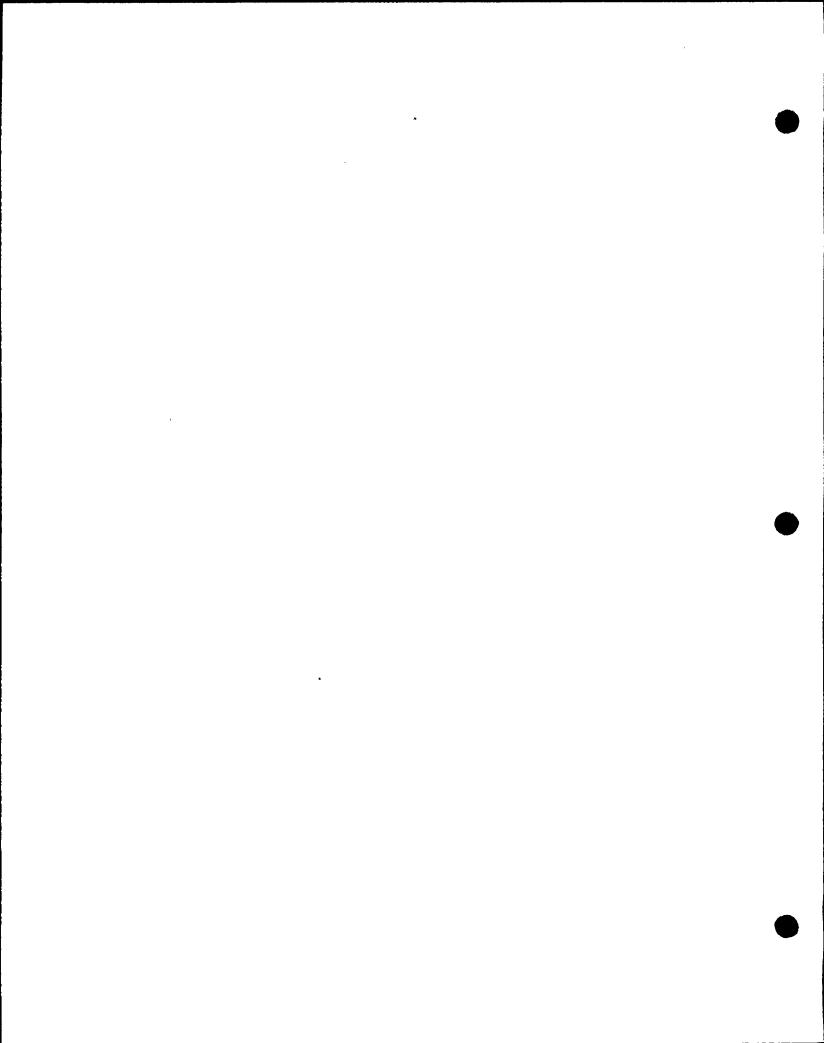








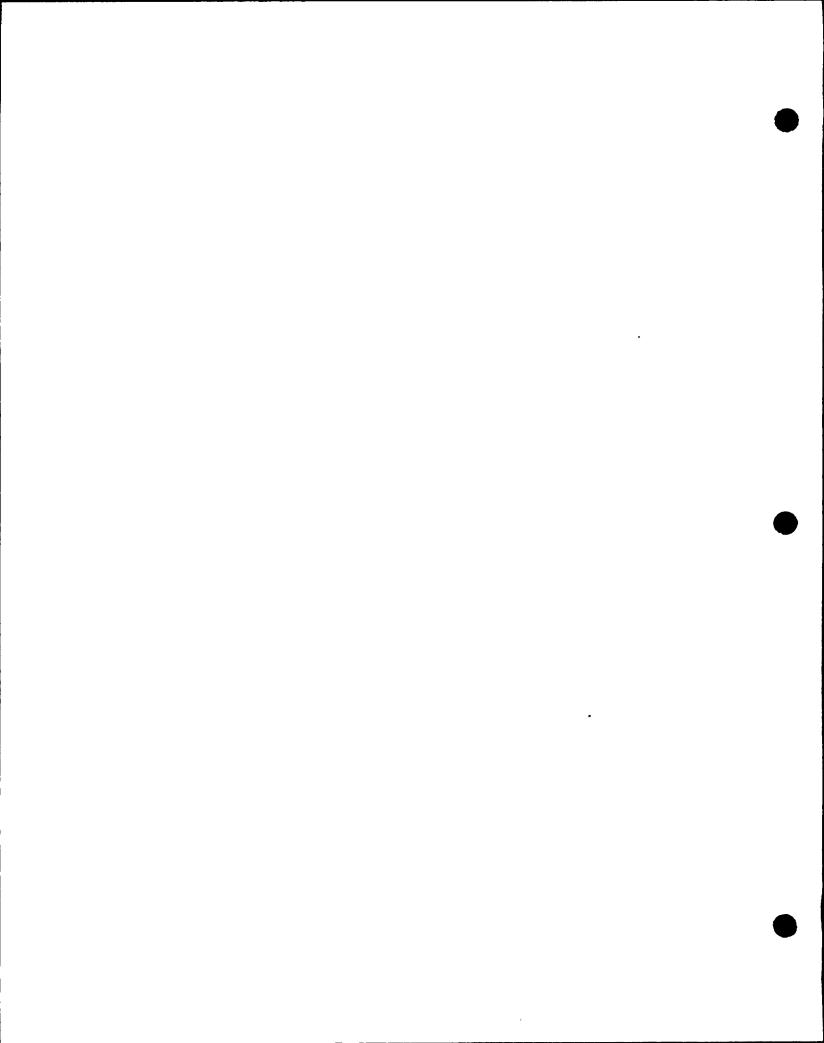
PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 1 PAGE 15 OF									
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION		
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS	
ų	<u>VALVES</u> - Cont'd								
B-K-1	Integrally Welded Supports								
B10.30	Attachments (Welded) To Pressure Boundary (Valves)							Not Applicable- No Welded Attachments to Valves	
B-K-2	Support Components								
B11.30	Valve Support Components			<del></del>				Included in Table Section 1.4, Scheduled with Pipe Supports.	





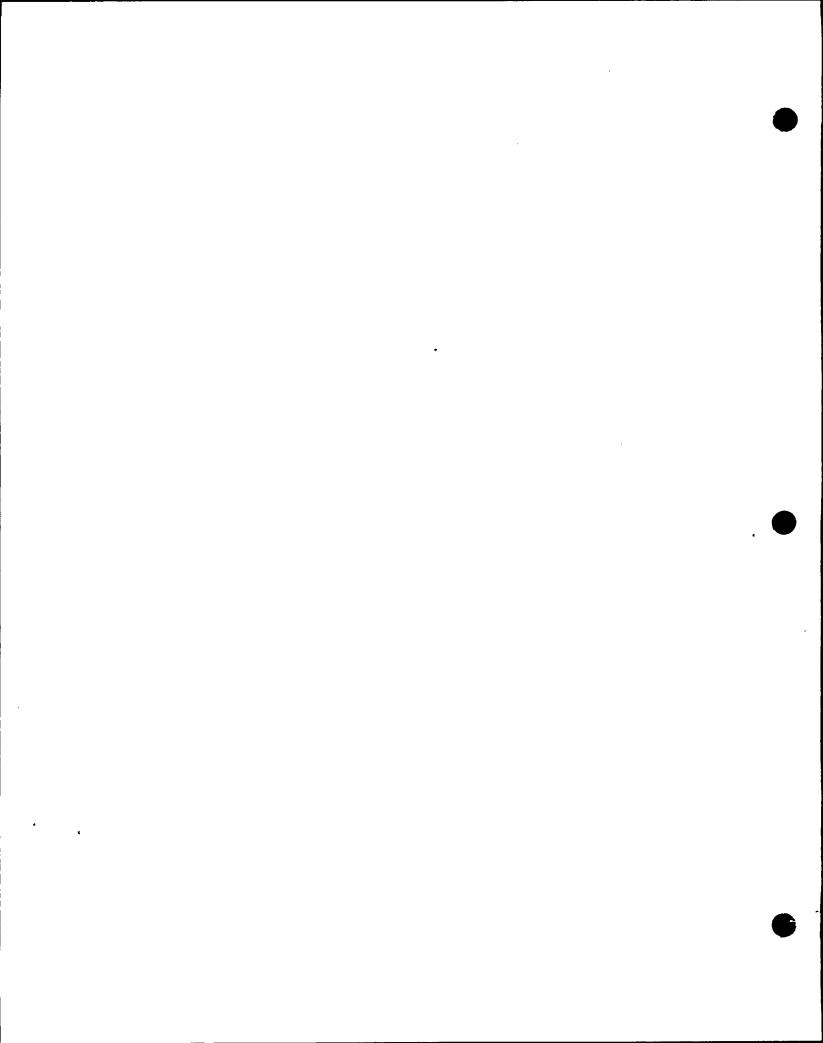


	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 1	ITEM: VALVES PAGE 16	(B-M) (1.6) 0F 17					
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
-	<u>VALVES</u> - Cont'd							
B-M-1	Pressure Retaining Wel	<u>ds</u>					•	
B12.30	Valve Body Welds	•						Item not applicable
B-M-2	Valve Bodies							
B12.40	Valve Body-exceeding 4 in. nom. diameter (Internal Surfaces)	Line No. Valve No.(s)						Manufacturer & Style
	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

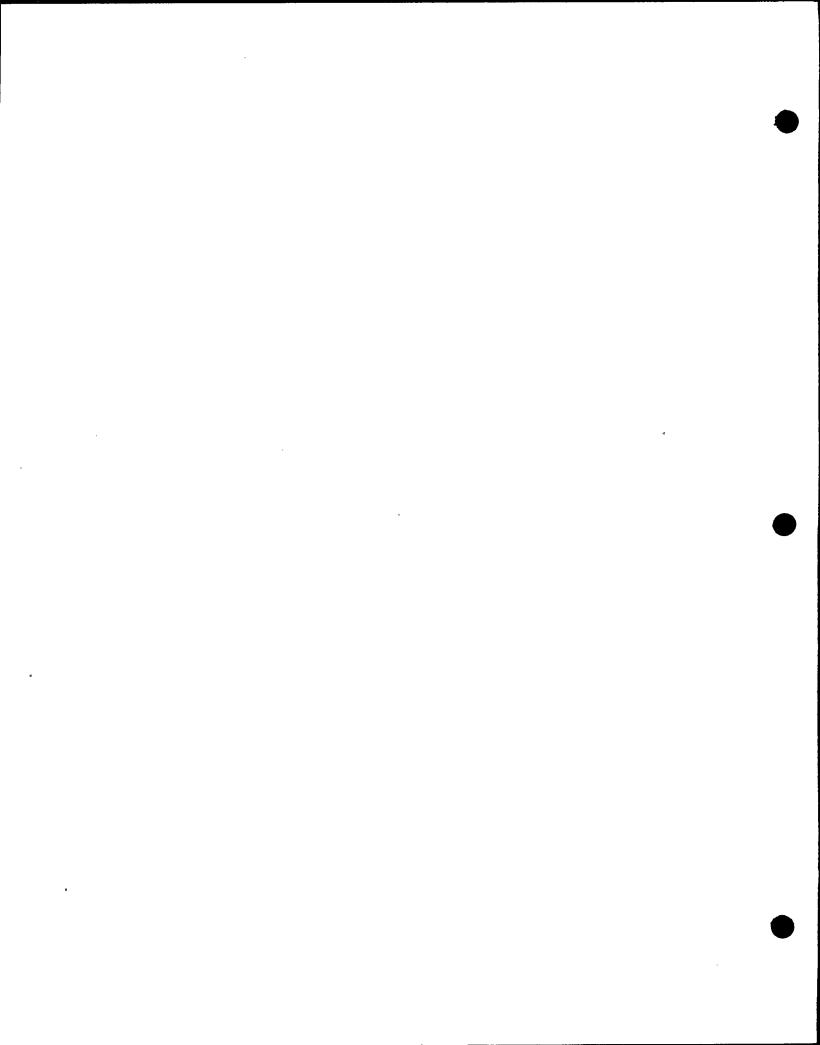




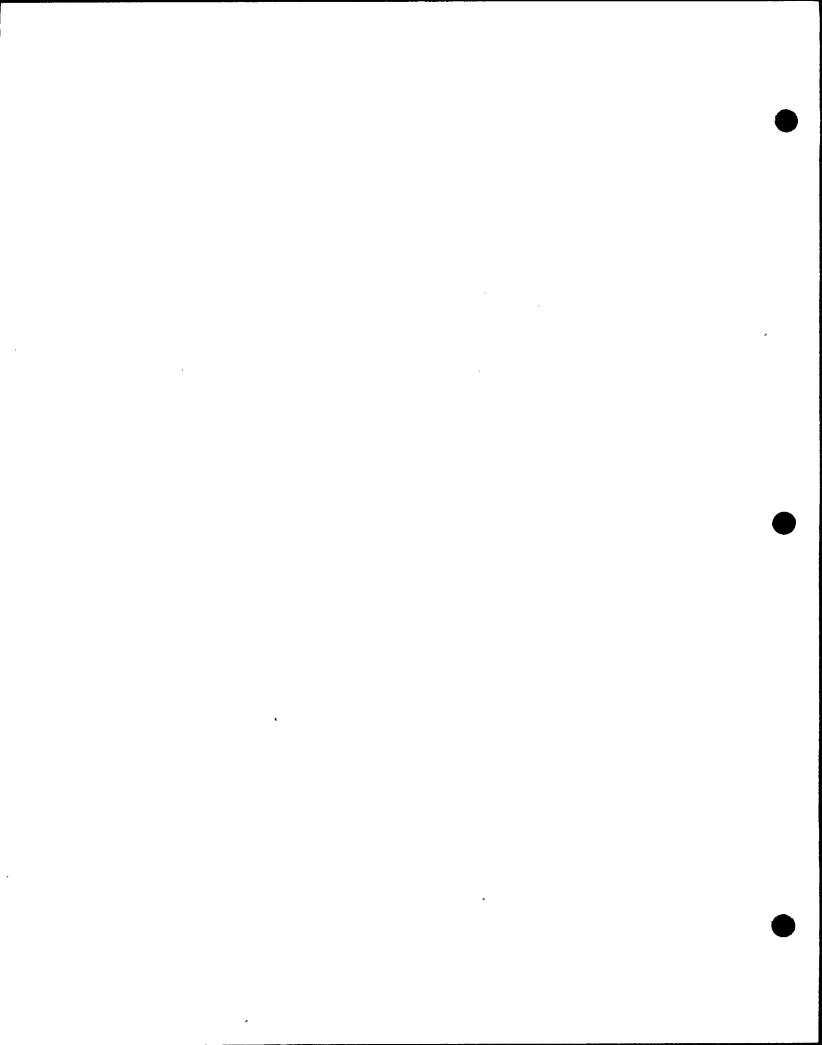
	RESERVICE INSPECTION SUMMARY SME SECTION XI SYSTEMS-CLASS 1 PAGE 17										
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS			
	VALVES Cont'd										
B-M-2 B12.40	Valve Bodies, Cont'd Interior, Cont'd	Line No. Valve No.(s)						Manufacturer & Style			
	Safety Inj Loop 1 Hot Leg (9-31A,449) [1.4-11]	\$6-235-6SPL+ 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



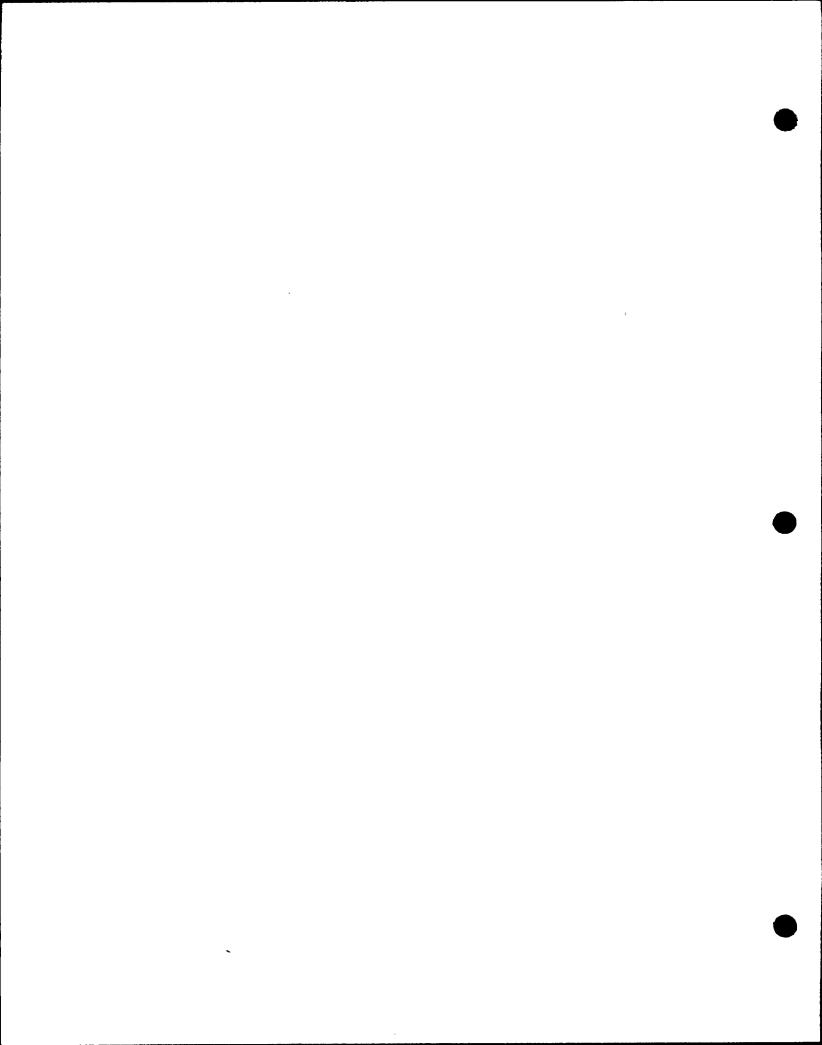
D.1. Vessels





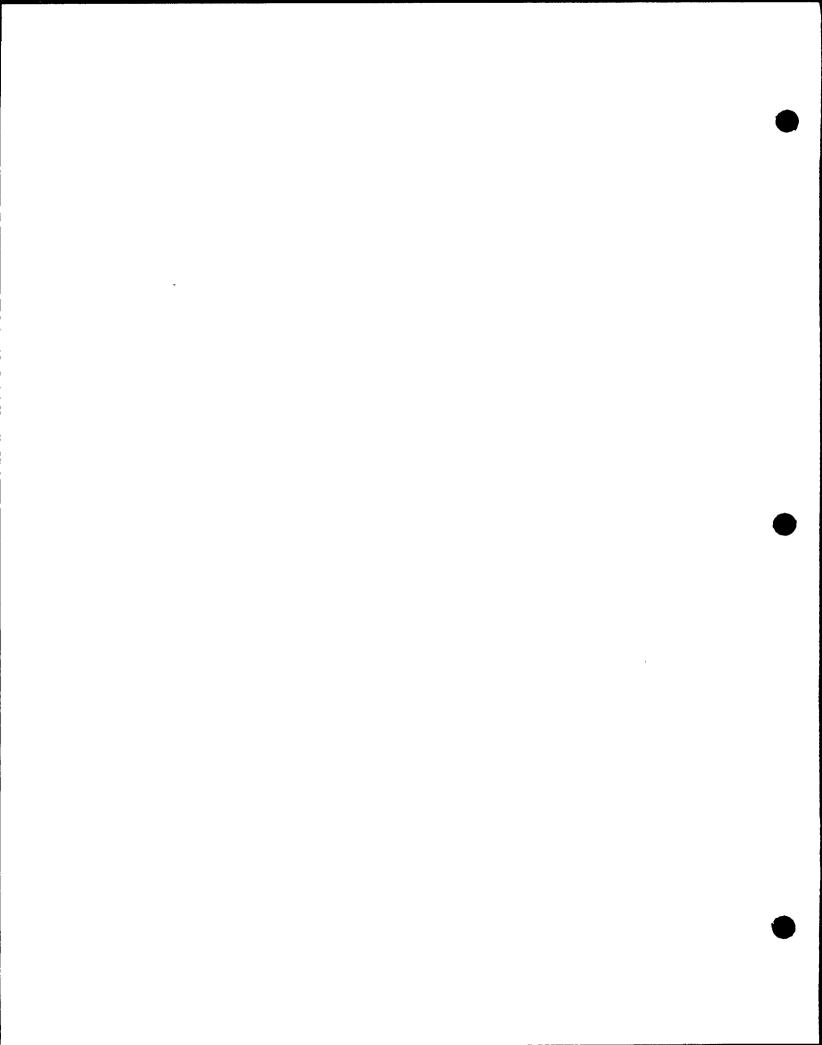


	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 2						ITEM: PRESSURE V PAGE 1	OF 18 (2.1)
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	STEAM GENERATORS	DWG. Ref DC-663206-77 [2.1-1]						
C-A	Pressure Retaining Welds	[212 4]						
	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	Welds 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 Barrell 100% (to) Lower Shell (36')
C1.10	Steam Generator 2-1	Girth W1-4 Loop 1	UT	1	5/24/78			Shell Barrell 100% (to)' Transition Cone (36')





	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2		ITEM: PRESSURE V PAGE 2	OF 18				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMĄRKS
	STEAM GENERATORS Cont'd						·	
C-A	Pressure Retaining We	<u>lds</u> - Cont'd						
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')

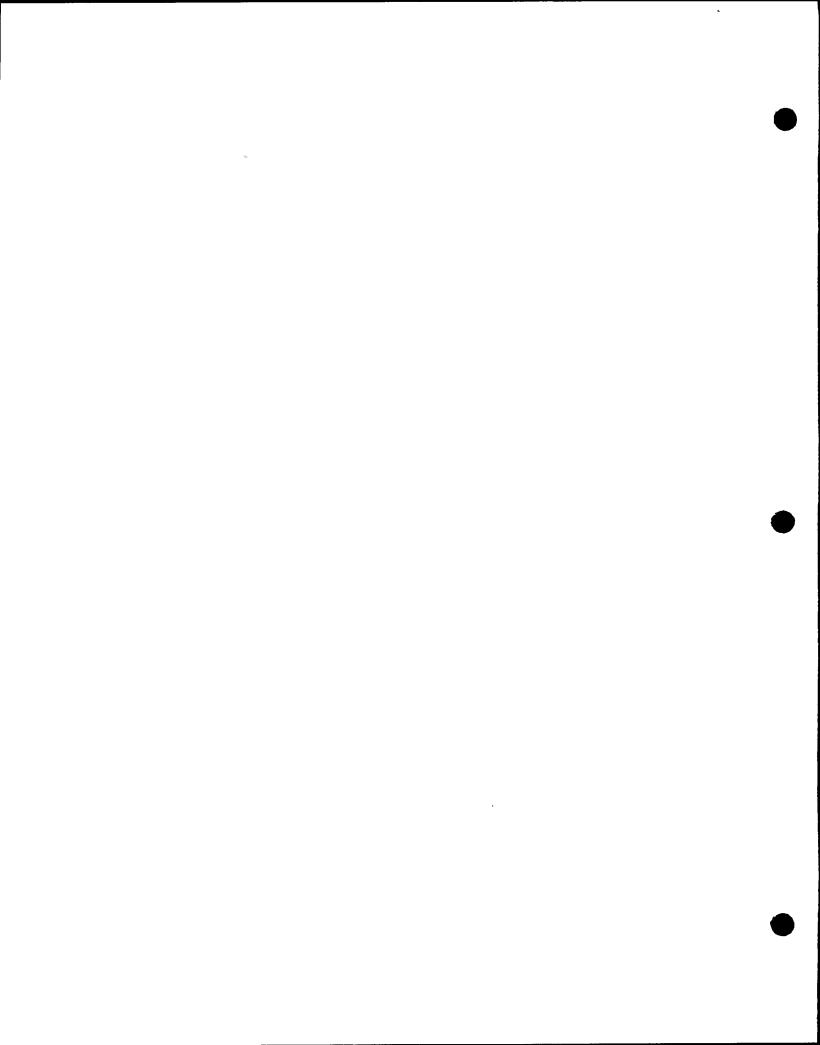






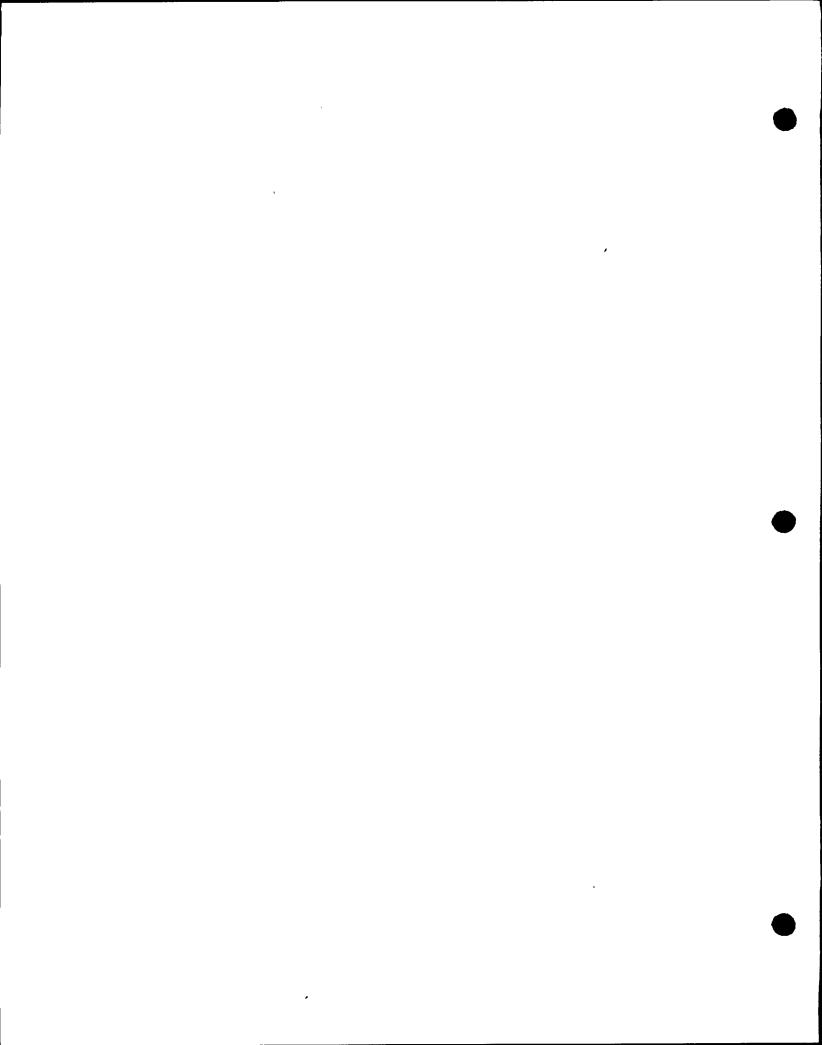


	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 2		<del> </del>				ITEM: PRESSURE V	ESSELS (STM GEN) (2.1) OF 18
CATEGORY		CENEDAL	NDF	TOTAL	CVAM	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	STEAM GENERATORS (continued)			•				
C-B	Nozzles > 4" Dia. in Vessels							
C2.10	Nozzles in vessels < 1/2" nominal thickness							Item Not Applicable





	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2	•		ITEM: PRESSURE V	VESSELS (STM GEN) (2.1) OF 18			
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	STEAM GENERATORS Cont'd							
C-B	Nozzles > 4" in Dia. In Vessels (cont'd)							NOTE: SUR/VOL performed on weld joint when
C2.20	Nozzles in vessels > 1/2" nominal thickness	Steam gen. to nozzle [2.1-1]						scheduled - Inner radius section Relief #19 (ref. SER
C2.21 C2.22	Nozzle to Shell (Head) Inner Radius	)						sup. 13)
C2.21	STEAM GENERATOR 2-1 Feedwater Lead 3 Nozzle Weld	Nozzle Weld (to) Shell at	MT UT	1	9/23/85 5/24/78			1
C2.22	Inner Radius [2.1-1]	K16-557-16IV	UT	1	N/A			Relief Granted
C2.21	STEAM GENERATOR 2-1 Feedwater Lead 4 Nozzle Weld	Nozzle Weld (to) Shell at	MT UT	1	9/23/85 5/24/78			Ref. SER Sup. 13
C2.22	Inner Radius [2.1-1]	K15-225-28V	UT	1	N/A			Relief Granted Ref. SER Sup. 13
C-C	Integrally Welded Support Attachments (To Pressure Vessel)							
C3.10	Integrally Welded Supports							Item Not Applicable

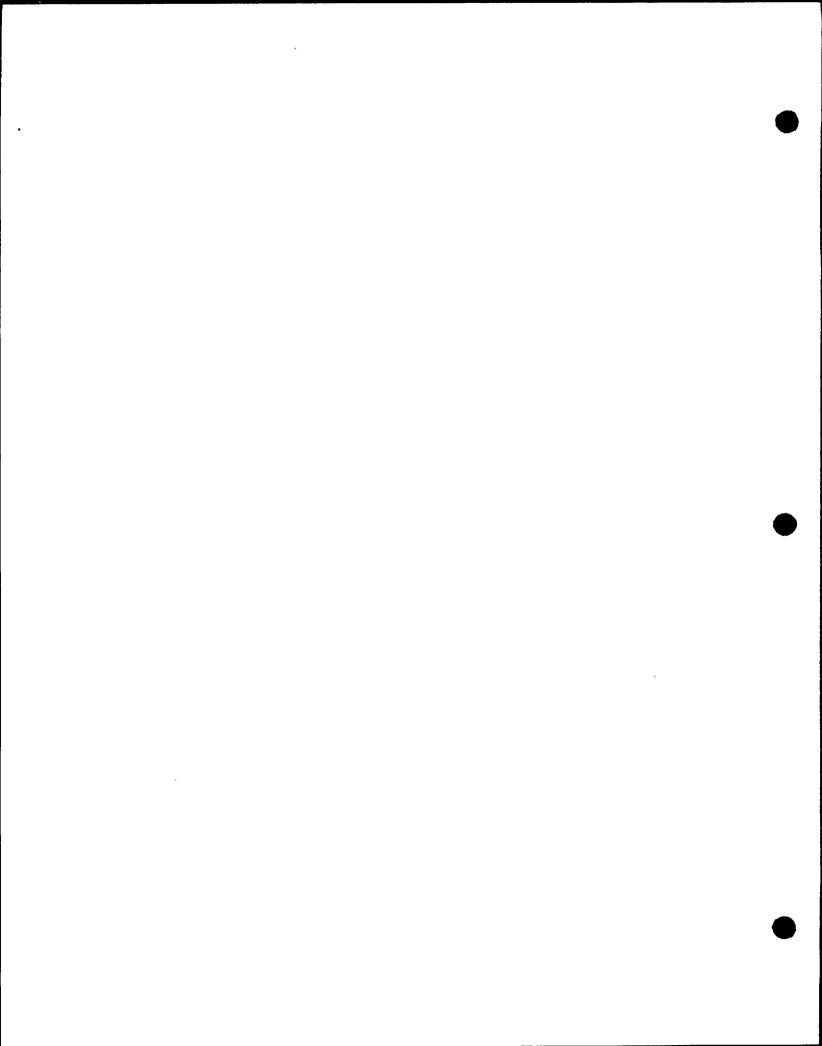






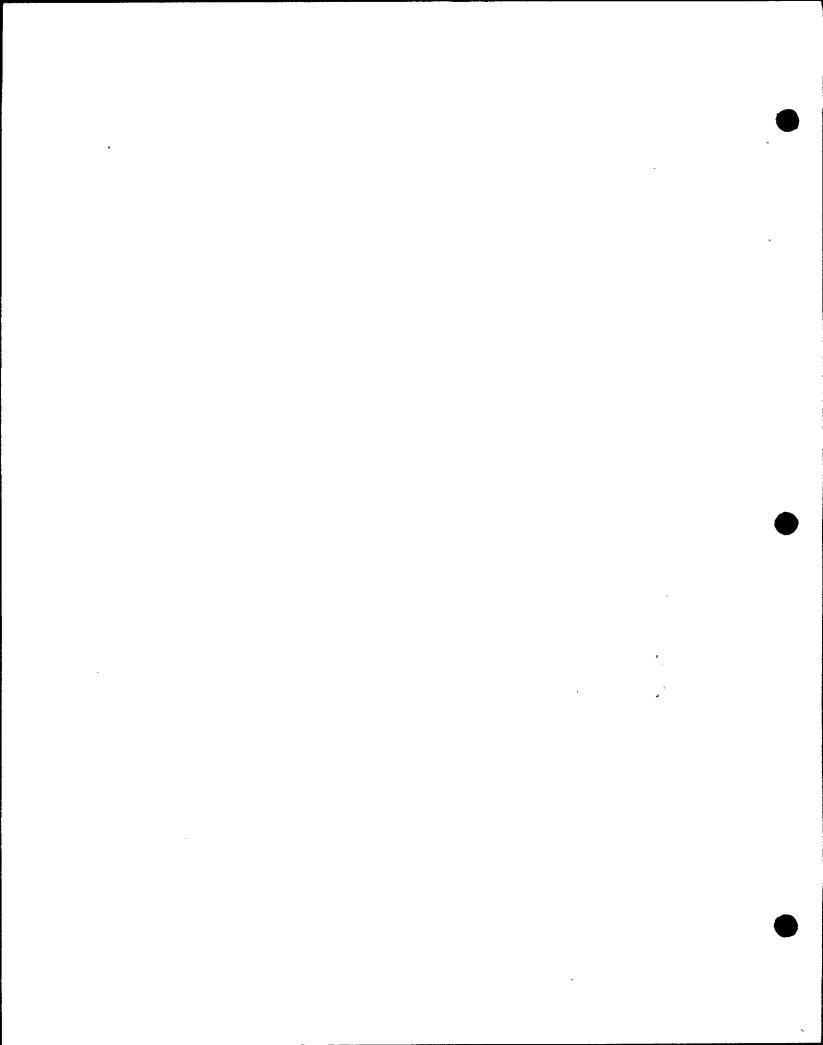


	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2						ITEM: PRESSURE V PAGE 5	VESSELS (STM GEN) (2.1) OF 18
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
•	STEAM GENERATORS Cont'd							
C-E	Integrally Welded Support Components							
C3.20	Steam Gen. 1-2	Snubber Attachments	VT-3	4	6/7/85	en en en		•
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			, <b>;</b>
	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	Pressure Retaining Bolting							
C4.10	Bolting > 2" Dia.					-	,	Item Not Applicable

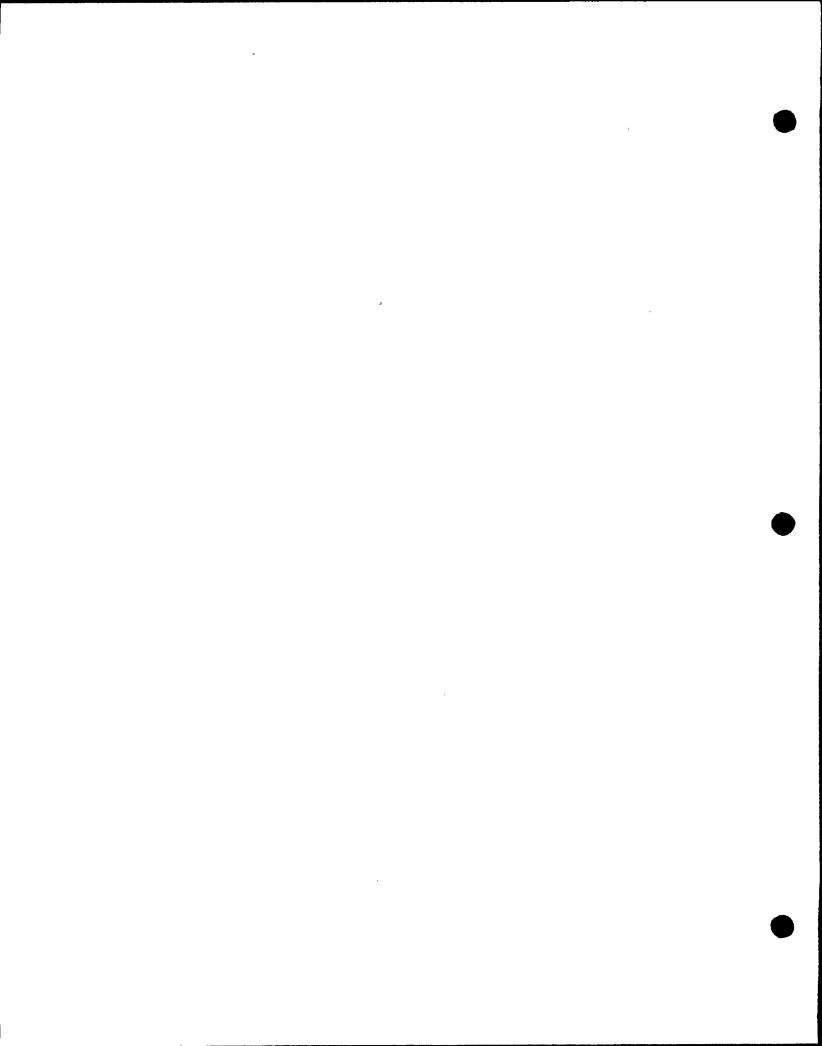




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	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2						ITEM: PRESSURE V PAGE 6	OF 18 (2.1)
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
•	BORON INJECTION TANK				<del></del>			
C-A	Pressure Retaining Welds	DWG. REF DC-663216-45 [2.1-2]						
C1.10	WELDS Shell Circumferential			Not A	Applicable			Struthers Wells Corp. Serial Number 2-70-07-30717-8
C1.20	Boron Injection Tank	GIRTH WELDS						•
	2-1	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)
C1.30	Tubesheet to Shell			Not A	Applicable			Shell (6')
C-B	Nozzle To Vessel Welds							1
C2.10	Nozzles in Vessels < 1/2" Nominal Thickness			000 tab qu0				Items Not Applicable
C2.20 C2.21 C2.22	> 1/2" Nominal Thickness [2.2-19][2.1-2]	Top Head to Nozzle Weld Weld #N-A	МТ	1	1/26/85			4" Line Item Not Applicable (MT incl. for
		Bottom Head to Nozzle Weld Weld #N-B	MT UT	1	1/26/85 1/23/85		aa aa aa	completeness) Inner Radius Relief #19 SER Sup. 13

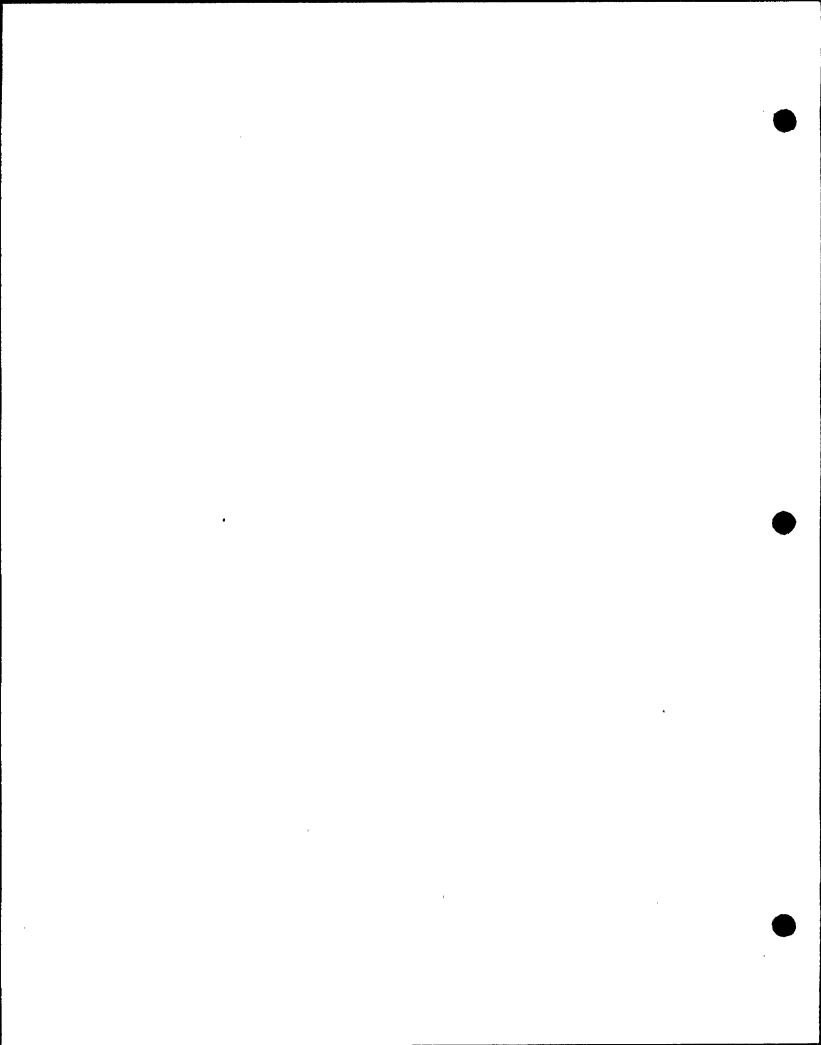


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2				*		ITEM: PRESSURE 7	VESSELS (B.I.T.) (2.1) OF18
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	•
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS
	BORON INJECTION TANK -	Cont'd	-					
C-C C-E C3.10	Integrally Welded Support Attachments (To Pressure Vessels)			an an an		an ee an		Not Applicable
C3.20	Support Components Support Leg [2.1-2]	Leg-A	MT VT-3	ļ	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		Can cade star	
C3.30	SUPPORTS, MECHANICAL HYDRAULIC SNUBBERS							Item Not Applicable
C~D	PRESSURE RETAINING BOLTING							•
C4.10	Bolting > 2" Dia.	Manway Bolting	UT	16	4/1/85			ı



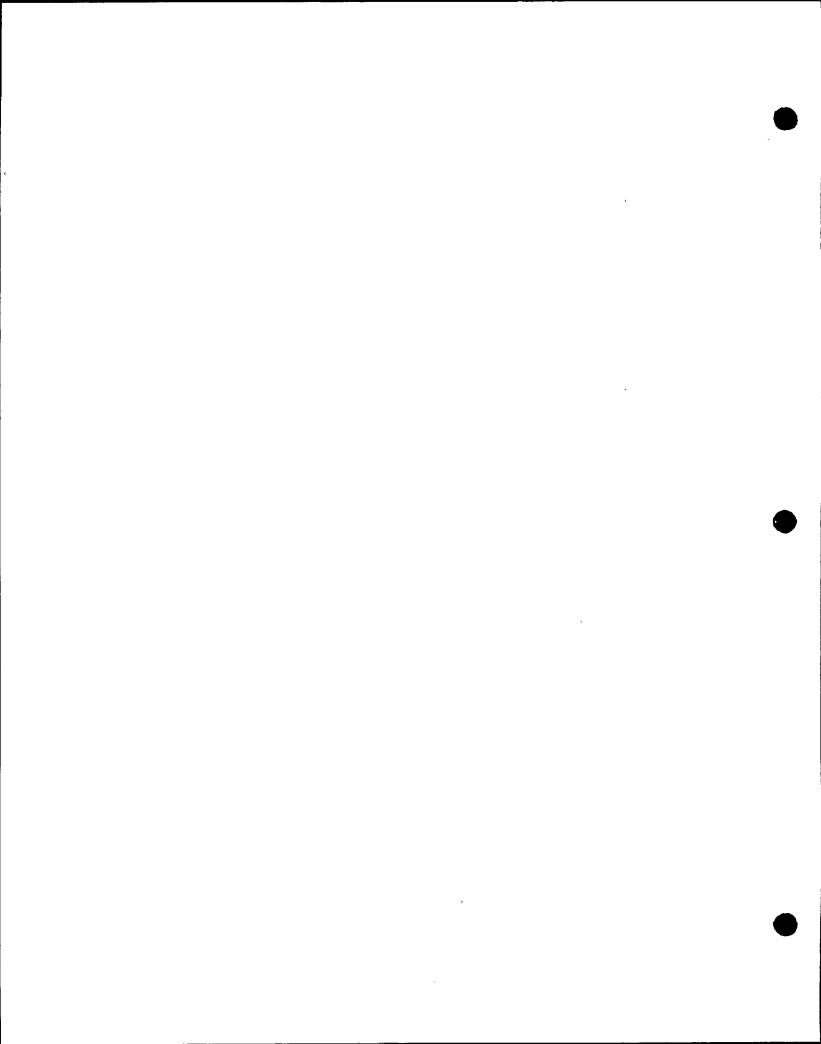


PRESERVIC ASME SECT	E INSPECTION SUMMARY TON XI SYSTEMS-CLASS 2			· · · · · · · · · · · · · · · · · · ·			ITEM: PRESSURE PAGE 8	VESSELS (FILTERS) (2.1) OF 18
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	•
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS
	SEAL INJECTION FILTERS	<u> </u>						
C-A	Press.Retaining Welds							
		DWG. REF DC-663200-42 DC-663200-19 [2.1-3]						Commercial Filters Corp. (Ser. # 17392-1824)
C1.10 C1.20 C1.30	WELDS Shell Circumferential Head Circumferential Tube Sheet To Shell					my 64° 00		Item Not Applicable
C1.10	Seal Injection Filter 2-1	Girth Welds Girth W-A Shell-Flange	υT	1	12/9/77	as as as		ę
C1.20		Girth W-B (Bot Head)	UT	1	12/9/77			
C-B	NOZZLES IN VESSELS	[2.1-3]						7.4 No. 4. A' 7
C2.10 C2.20	<pre>&lt; 1.2" Nom. Thickness &gt; 1/2" Nom. Thickness</pre>							Item Not Applicable Item Not Applicable
							-	/ /
(C2.21,C2 C-C					•			1
C3.10	Support Attachments (To Pressure Vessels)					***	970 400 Mg	Item Not Applicable





PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 2  ITEM: PRESSURE VESSELS (FILTERS) (2.1) PAGE 9 0F 18								
CATEGORY	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-E C3.20	SEAL INJECTION FILTERS Support Components	3						Item Not Applicable
C3.30	Supports Mechanical and Hydraulic Snubbers							Item Not Applicable
C-D	PRESSURE RETAINING BOLTING							2
C4.10	Bolting > 2" Dia.							Item Not Applicable







	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2	• .				ITEM: _	PRESSURE VESSELS PAGE 10	0F 18 (EX. LTD. EXC) (2.1)
CATEGORY	· · · · · · · · · · · · · · · · · · ·	<del></del>		<u> </u>	· · · · · · · · · · · · · · · · · · ·		CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-A	EXCESS LETDOWN HEAT EXCHANGER Pressure Retaining Welds	DWG. REF. DC-66210-12 [2.1-4]						Atlas S/N 854
C1.10 C1.20 C1.30	WELDS Shell Circumferential Head Circumferential 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 C2.10 C2.20 (C2.21,C2 C-C	NOZZLES IN VESSELS  1/2" Nom. Thickness 1/2" Nom. Thickness 22) INTEGRALLY WELDED SUPPORT ATTACHMENTS (To Pressure VessIs)							Item Not Applicable Item Not Applicable
C3.10 C-E C3.20	Integrally Welded Supports Component Supports	Weld Item 15 Weld Item 16	PT PT	1 1 	10/9/78 10/9/78 		Attach't to She	C3.20 Items Not Applicable

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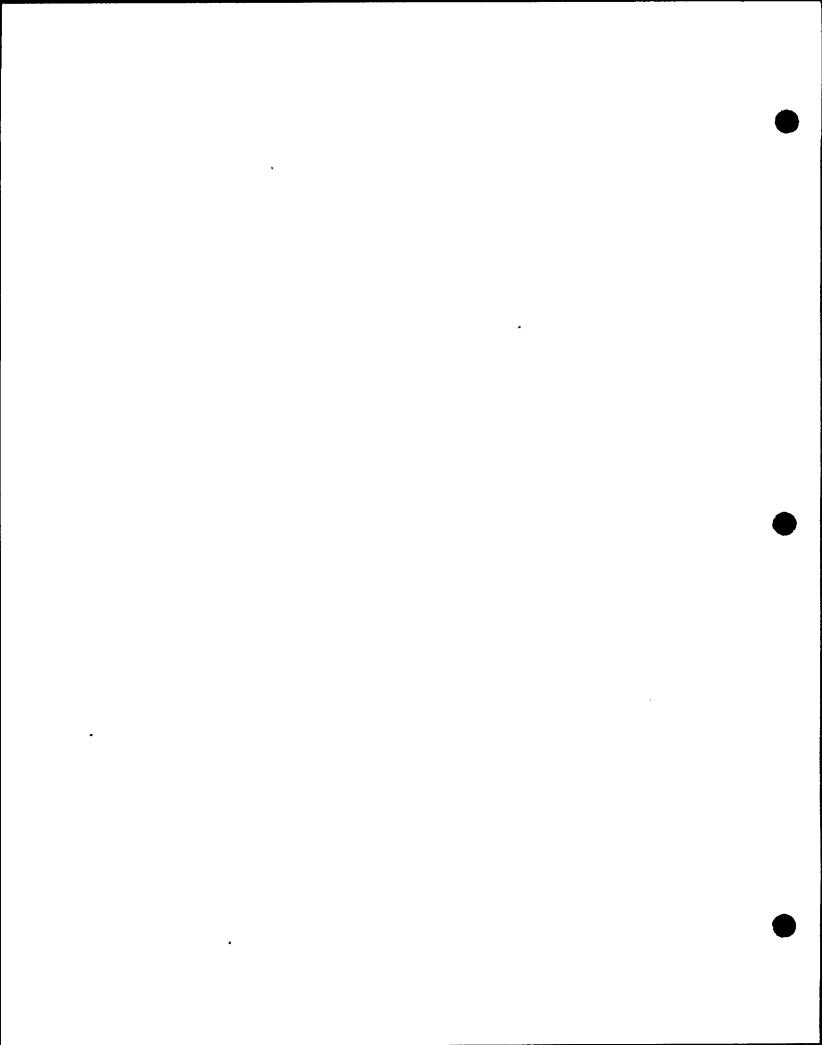




## DIABLO CANYON POWER PLANT - UNIT 2

	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2	***************************************				ITEM: _	PRESSURE VESSELS PAGE 11	OF 18
CATEGORY	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	EXCESS LETDOWN HEAT EXCHANGER - Cont'd							
C-C C-E C3.30	INTEGRALLY WELDED SUPPORTS Mechanical and Hydraulic Snubbers							Items Not Applicable
C-D	PRESSURE RETAINING BOLTING						,	,
C4.10	Bolting > 2" Dia.							Items Not Applicable

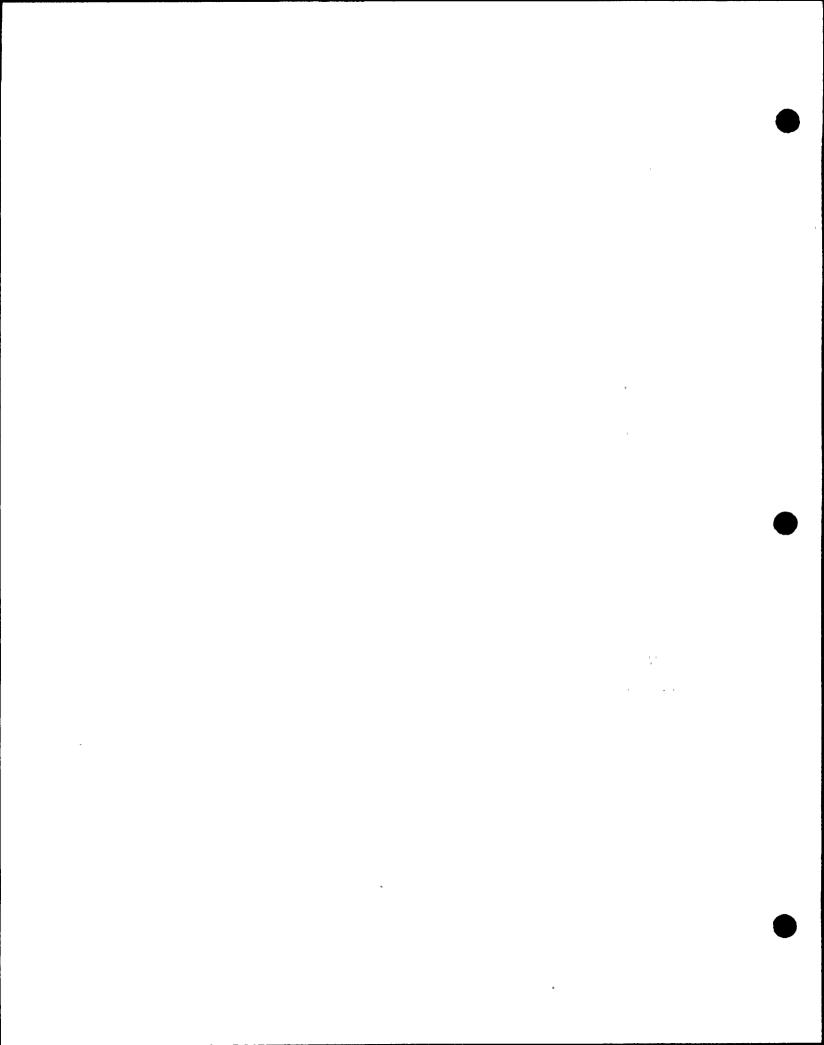
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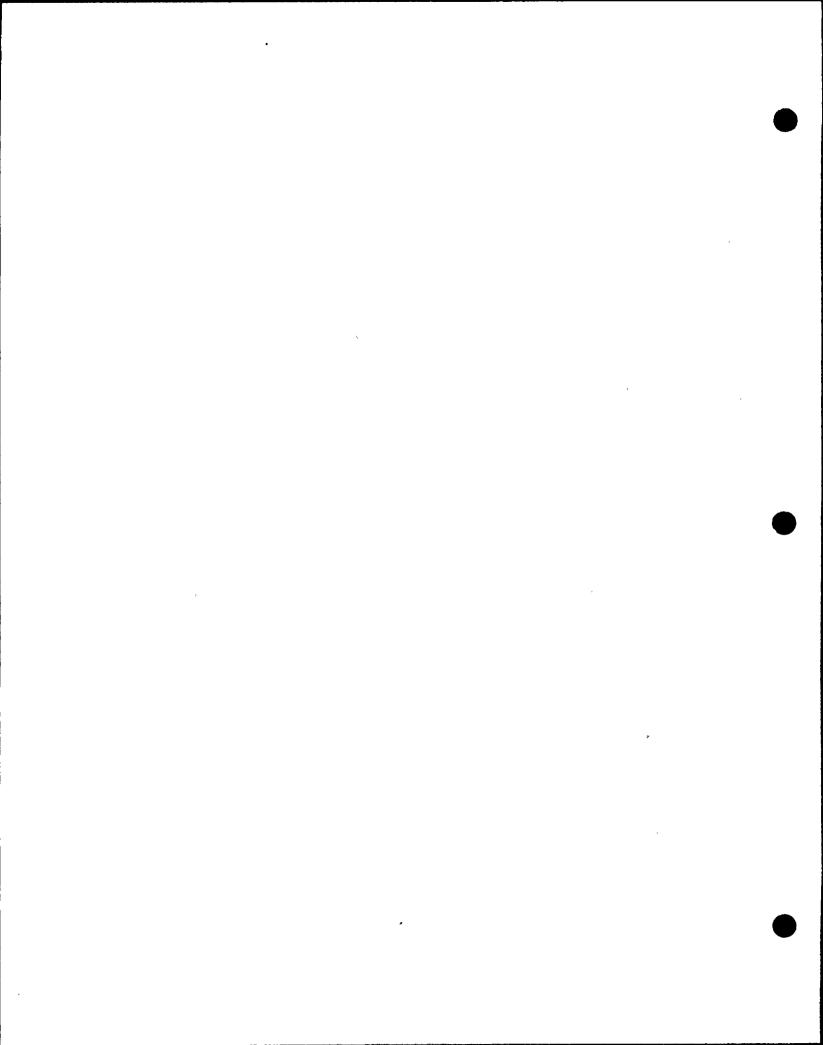
ITEM: PRESSURE VESSELS (REG. HT. EXC.) (2.1)

	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2			-		ITEM:	PRESSURE VESSELS PAGE 12	(REG. HT. EXC.) (2.1) OF 18
CATEGORY		GENERAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	DEMARKS
ITEM	COMPONENT OR SYSTEM	IDENTIFICATION	METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS
-	REGENERATIVE HEAT EXCHANGERS	DWG. REF. DC-663210-72 [2.1-5]						Joseph Oat & Sons Serial #1831-4I 1831-4II, 18314III
C-A	PRESSURE RETAINING WELDS	: ;						
C1.10 C1.20 C1.30	Shell Circumferential Head Circumferential Tube Sheet to Shell	Girth Welds Girth Welds Girth Welds						Item Not Applicable
C1.20	Shell No. 3 Head- to-Shell Welds	Girth Weld Item 9	РТ*	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	рт*	1	2/2/85	Misc. Surface Indica- tion	Repaired by welding NRI after . repair	Shell (to) Sheet (As Accessible)
		Girth Welds Item 11	РТ*	1	1/28/85		Торит	Sheet (to) Shell (As Accessible)
								*Volumetric Examination with UT not practical material is centrifuga cast S.S.



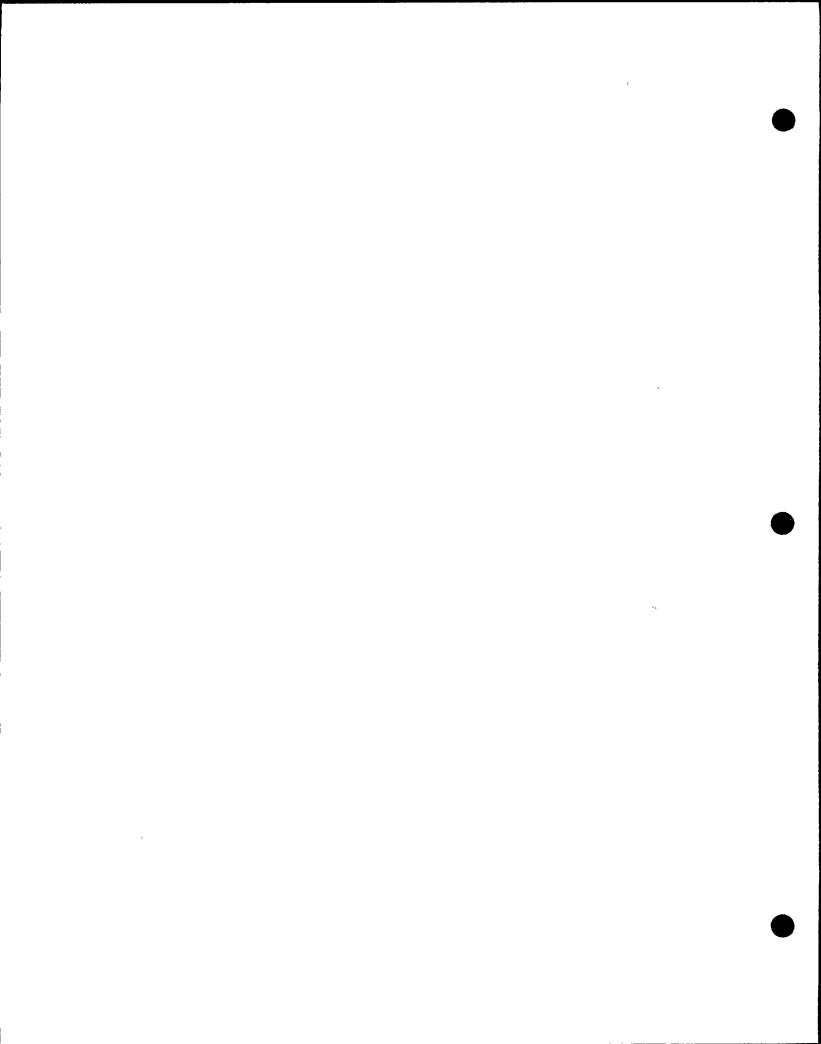


	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2					ITEM:	PRESSURE VESSELS PAGE 13	(REG. HT. EXC.) (2.1) OF 18
CATEGORY	<del></del>	<del> </del>		<del></del>	<del></del>		CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
-	REGENERATIVE HEAT EXCHANGER Cont'd						٠	
C-B	NOZZLES IN VESSELS	•						
C2.10 C2.20 C2.21 C2.22	<pre>&lt; 1/2" Nom. Thickness &gt; 1/2" Nom. Thickness</pre>						 · 	Items Not Applicable Items Not Applicable
C-C C3.10	INTEGRALLY WELDED SUPPORT ATTACHMENTS (To Pressure Vessels)							Item Not Req'd IWC-2500-1 Footnote (4)
C-E C3.20	SUPPORT COMPONENTS							Item Not Req'd IWC-2500-1 Footnote (4)
C3.30	Supports Mechanical and Hydraulic Snubbers							Items Not Applicable
C-D	PRESSURE RETAINING BOLTING							•
C4.10	Bolting > 2" Dia.							Items Not Ápplicable



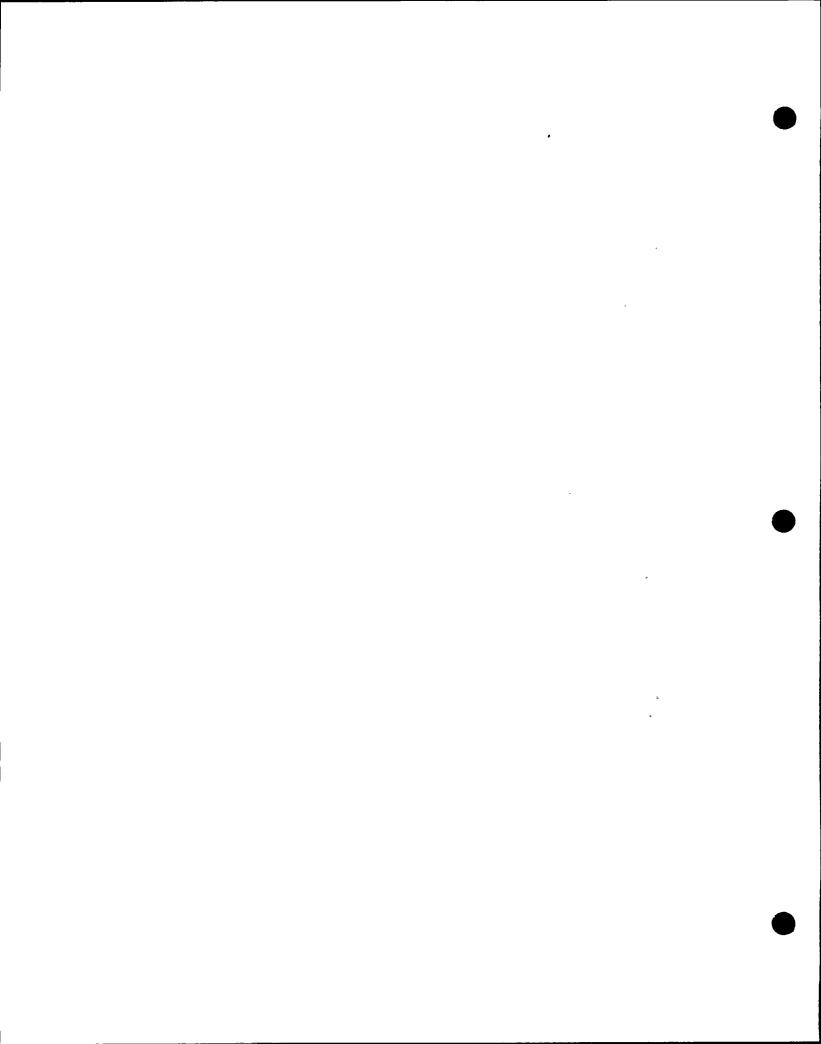


ASME SECT	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2	•				ITEM: _	PRESSURE VESSELS PAGE 14	(REG. HT. EXC.) (2.1) OF18
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
,	RESIDUAL HEAT REMOVAL HEAT EXCHANGER	DWG. REF. DC-663200-60 [2.1-6]						Engineers & Fabricators Company (Ser. # 15588-C)
C-A	PRESSURE RETAINING WELDS							
C1.10 C1.20 C1.30	Shell Circumferential Head Circumferential Tube Sheet to Shell	Not Appli	cable					,
C1.10	RHR Exchanger 2-1	Girth Welds 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 C2.10	NOZZLES IN VESSELS < 1/2" Nominal Thickness		***					Items Not Applicable
C2.20 C2.21	> 1/2" Nom. Thickness RHR Exchanger 2-1	Nozzle Welds						•
62.21	[2.2-2]	Item 23	PT	1	12/9/77			Configuration prevents accessibility for
C2.22	RHR Exchanger 2-1 [2.2-8][2.1-6]	Item 24	PT	1	12/9/77			volumetric exam. Ref. Relief Request #9 (SER. Sup 13)



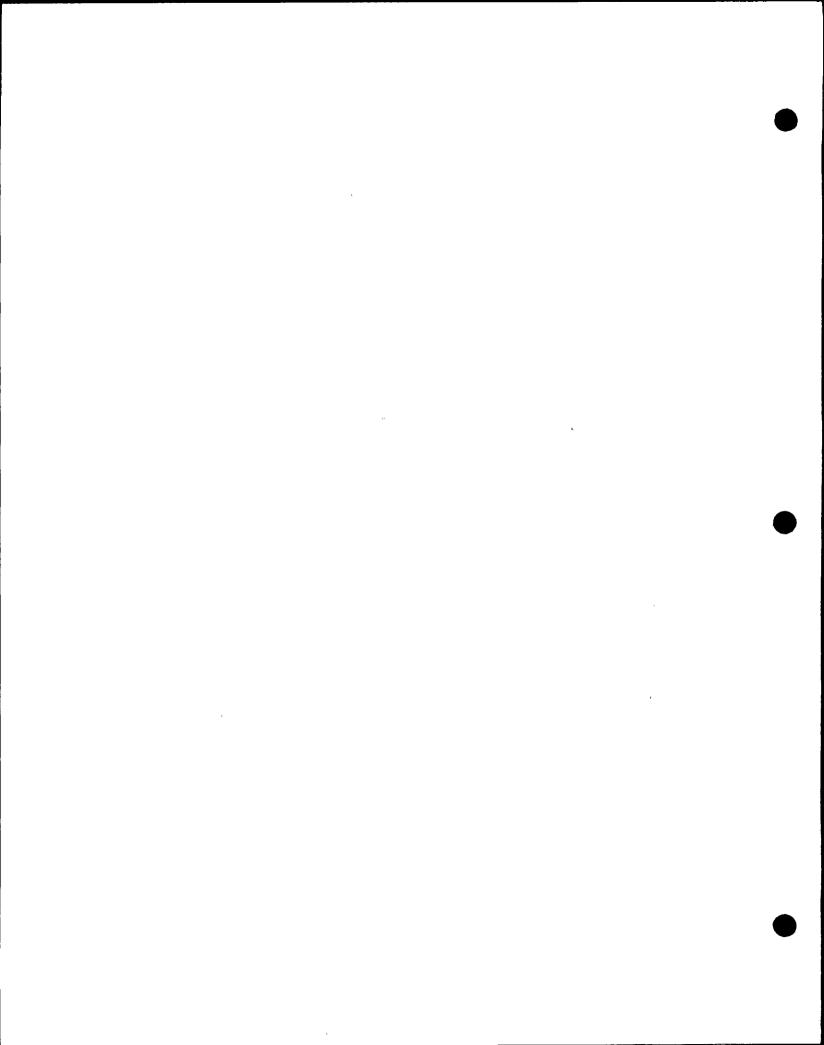


	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2			ITEM:	PRESSURE VESSELS PAGE 15	(REG. HT. EXC.) (2.1) OF18		
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	RHR HEAT EXCHANGERS						÷	
C-C	INTEGRALLY WELDED SUPPORT ATTACHMENTS (To Pressure Vessels)	•						
C3.10	RHR Exchanger 2-1	Item 19 Item 20	PT PT	1 1	12/9/77 12/9/77			(Accessible Areas) (Accessible Areas)
C3.30	Supports Mechanical and Hydraulic Snubbers							Items Not Applicable
C-D	PRESSURE RETAINING BOLTING							
C4.10	Bolting >2" Dia.							Items Not Applicable
C-E C3.20	SUPPORT COMPONENTS RHR Exchanger 2-1	Item 19 Item 20	VT-3 VT-3	1	1/27/85 1/27/85			(Accessible Areas) (Accessible Areas)





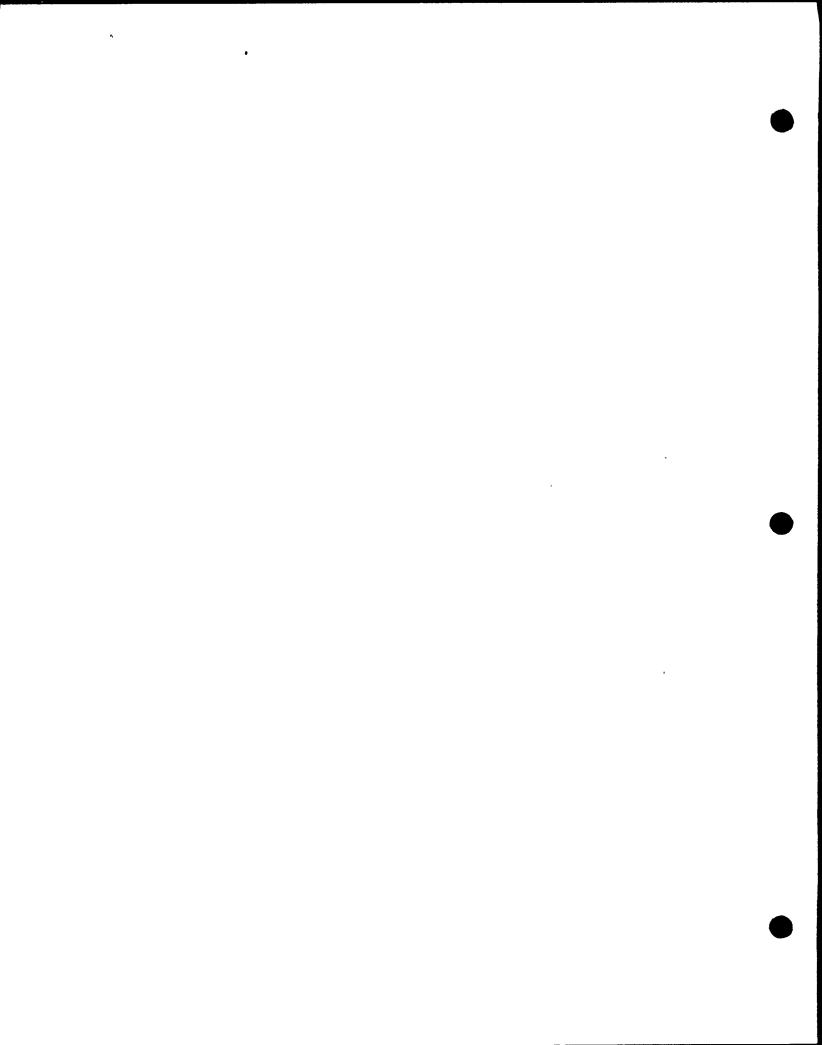
ASME SECT	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2			<del></del>		ITEM:	PRESSURE VESSELS PAGE 16	(STAB. SEP'R.) (2.1) OF 18
CATEGORY		05115041				<del></del>	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-A	STABILIZER SEPARATOR @ Recip.Chg.Pp.1-3	DWG REF DC-663210-180-1						General Atomic S/N E610
C-A	PRESSURE RETAINING WELDS							
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	1/24/85 1/24/85			# #
C1.30	Tube Sheet-To-Shell							Items Not Applicable
C-B	NOZZLE TO VESSEL							•
C2.10	<pre>&lt; 1/2" Nom. Thickness</pre>							Items Not Applicable
C2.20 (C2.21,C2	> 1/2" Nom. Thickness							Items Not Applicable
C-C C3.10	INTEGRALLY WELDED SUPPORTS							Items Not Applicable
C3.20	Component Supports	Support Skirt	VT-3	1	1/27/85			
C3.30	Supports-Mech's & Hydraulic Snubbers							Items Not Applicable







	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2	<del> </del>		<u> </u>		ITEM:	PRESSURE VESSELS PAGE 17	(STAB. SEP'R.) (2.1) OF 18
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-D	STABILIZER SEPARATOR - PRESSURE RETAINING BOLTING	- Cont'd						
C4.10	Bolting > 2" Dia.	Remarks						Items Not Applicable



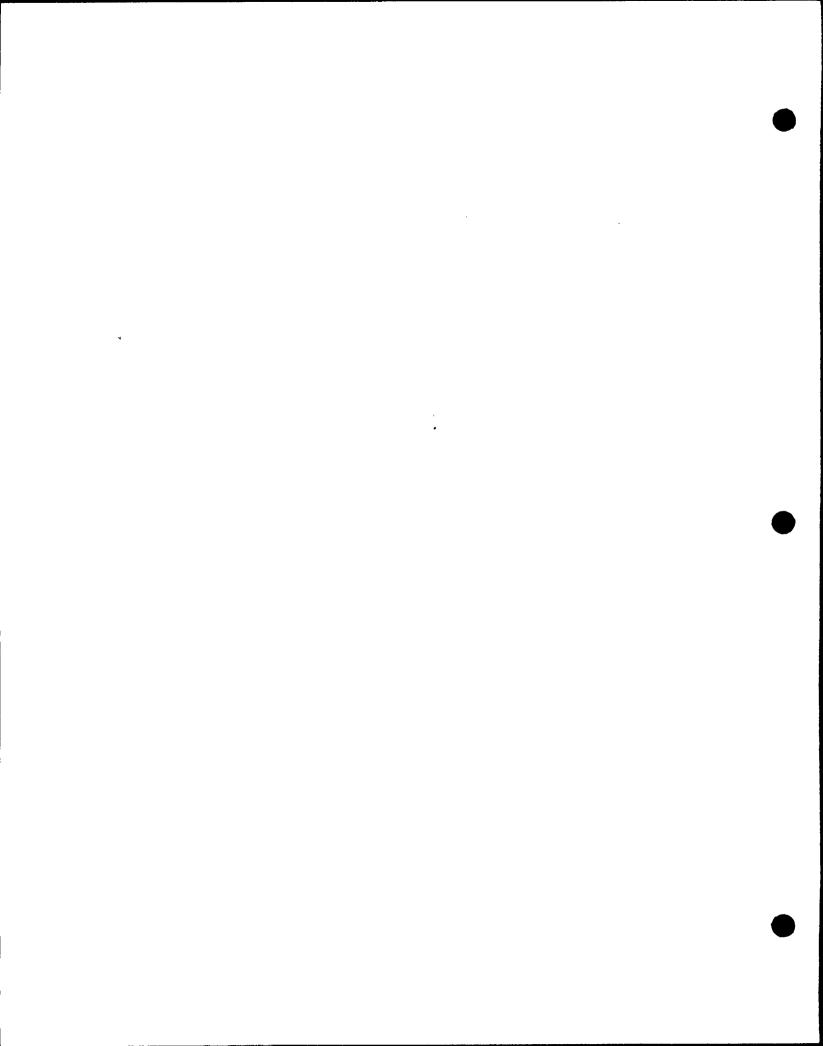




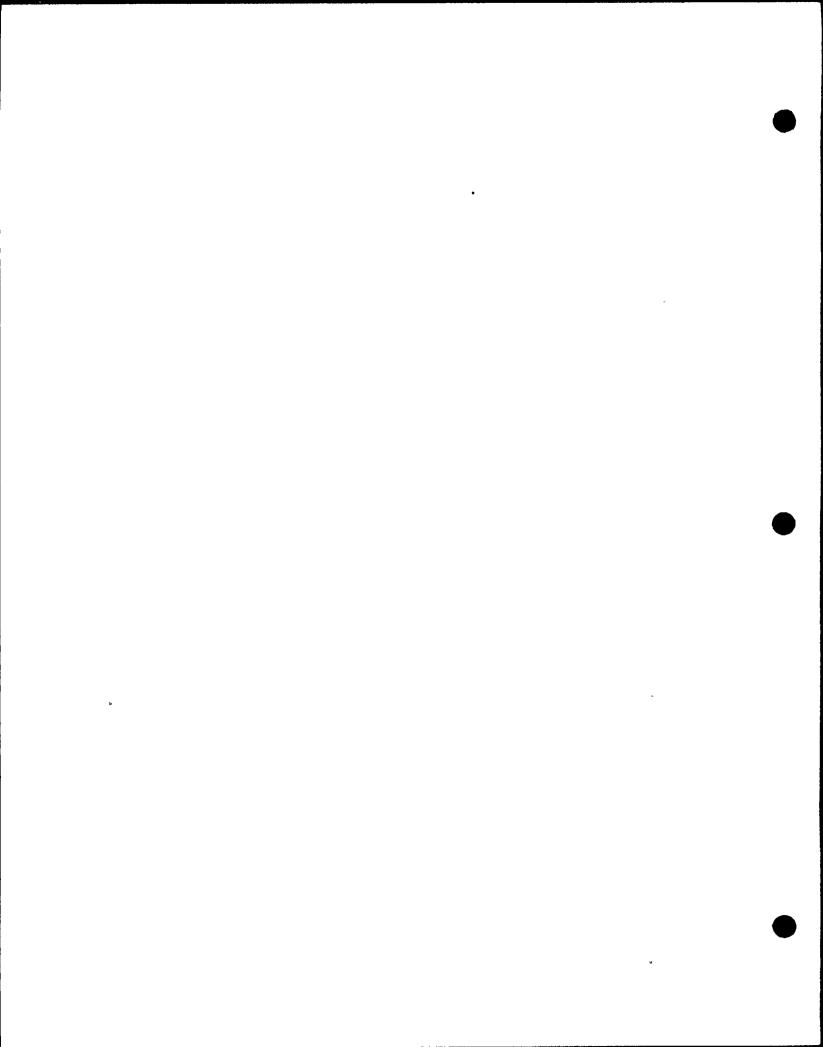


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	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2			<del></del>		ITEM: -	PRESSURE VESSELS( PAGE 18	DIQ. PULS. DAMP.)(2.1) OF18
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
	LIQUID PULSATION DAMPENER @ Recip. Ch. Pp 1-3	DWG REF DC-663210-181-1						Gen. Atomic SN E-611
C-A	PRESSURE RETAINING WELDS							
C1.10	Shell Circumferential	•	es es es					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 C2.10	NOZZLE TO VESSEL ≤ 1/2 Nom. Thickness							Items Not Applicable
C2.20 (C2.21,C2	> 1/2 Nom. Thickness						~ ~ ~	Not Required See (IWC-1220-C)
C-C C3.10	SUPPORT MEMBERS				as as as	 ·		Items Not Applicable Supported by pipe.
C-D	PRESSURE RETAINING BOLTING							
C4.10	Bolting > 2" Dia.							Item not applicable
C-E C3.20 C3.30	SUPPORT MEMBERS				·			Item not applicable



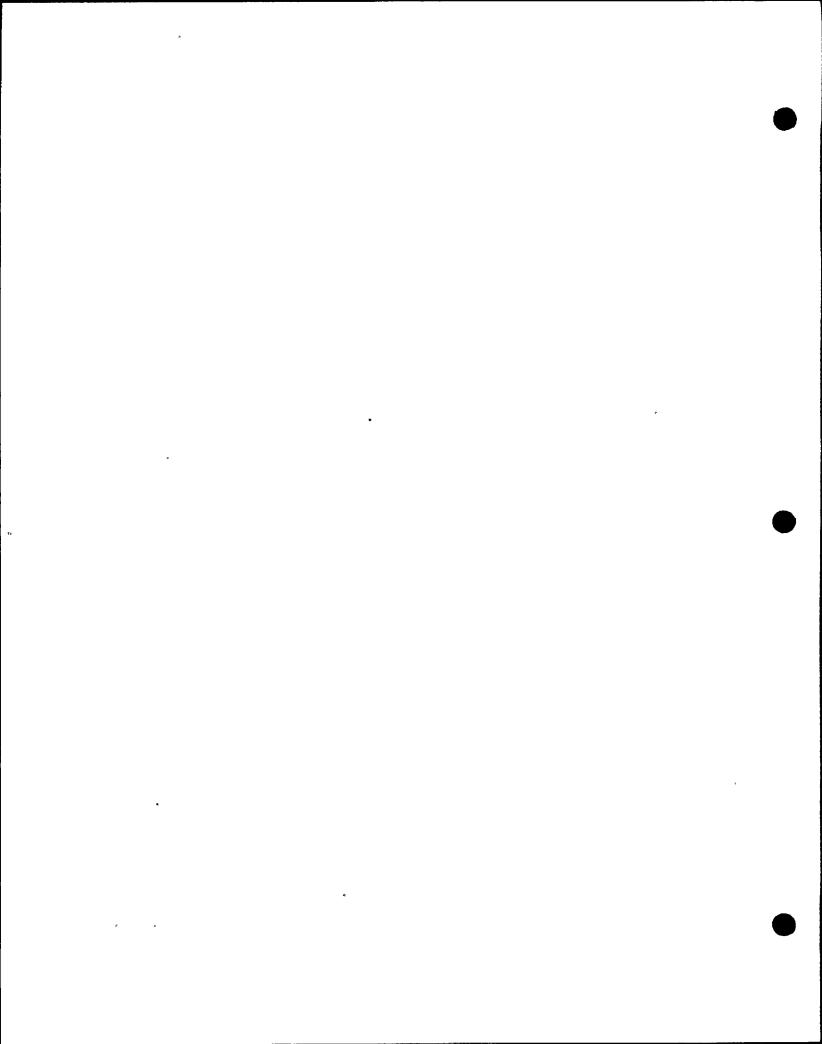
D.2. Piping





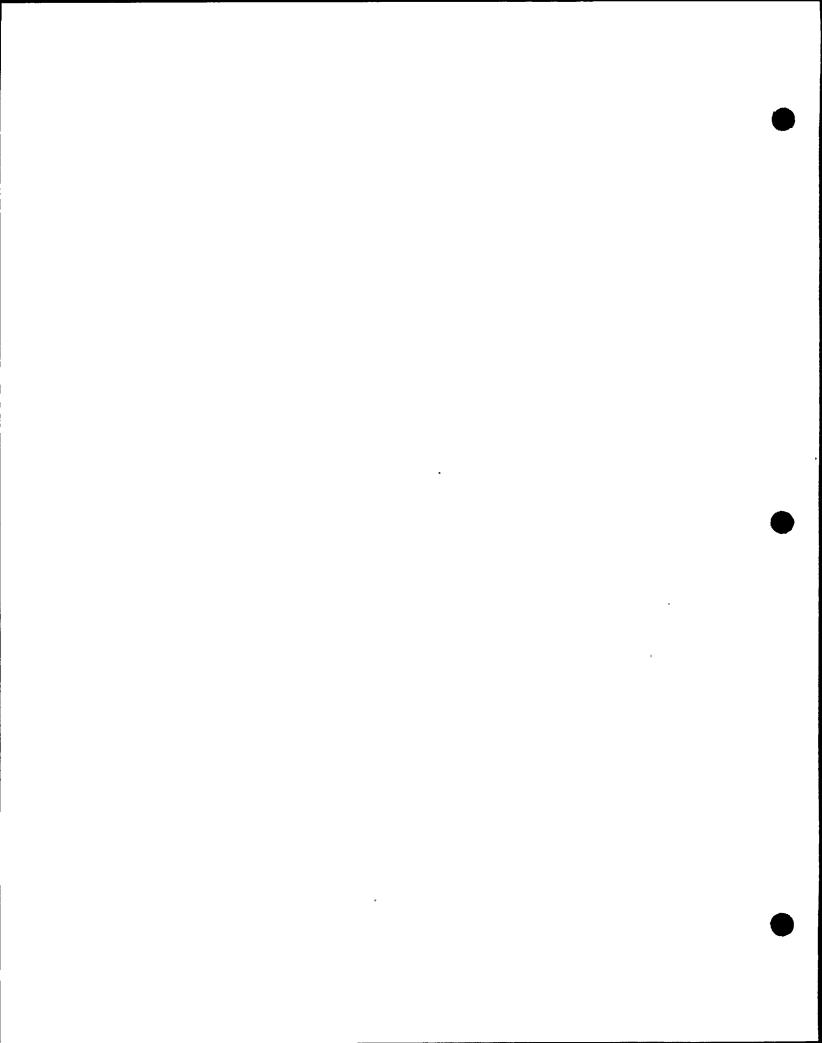
	E INSPECTION SUMMARY					ITEM:		JM.WELDS (C-F)(2.2)
ASME SECT	TION XI SYSTEMS-CLASS 2						PAGE 1	0F <u>30</u>
CATEGORY	**********						CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	SUB-ITEM OUT OF SEQUENCE INTENTIONALLY ITEMS ARE LISTED BY WALL THICKNESS, CATEGORY (C-F) OR (C-G SINGLE OR MULTIPLE STREAM AND LINE SIZE.	) <i>'</i> i						Scheduling of all class 2 pipe welds with sum 75 add. refers to 1974 ED. of code for extent and frequency of examination. (Per
C-F	PRESSURE RETAINING							10CFR50.55A)
	WELDS IN PIPING (Piping Welds							CF lines circulate Reactor Coolant.
	Over 1/2" Nom. Wall Thickness)							CG lines circulate "other" fluids.
C5.21	Circumferential Welds (Single Stream Systems	Butt Welds						
	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			1
		•						

END SINGLE STREAM, C-F





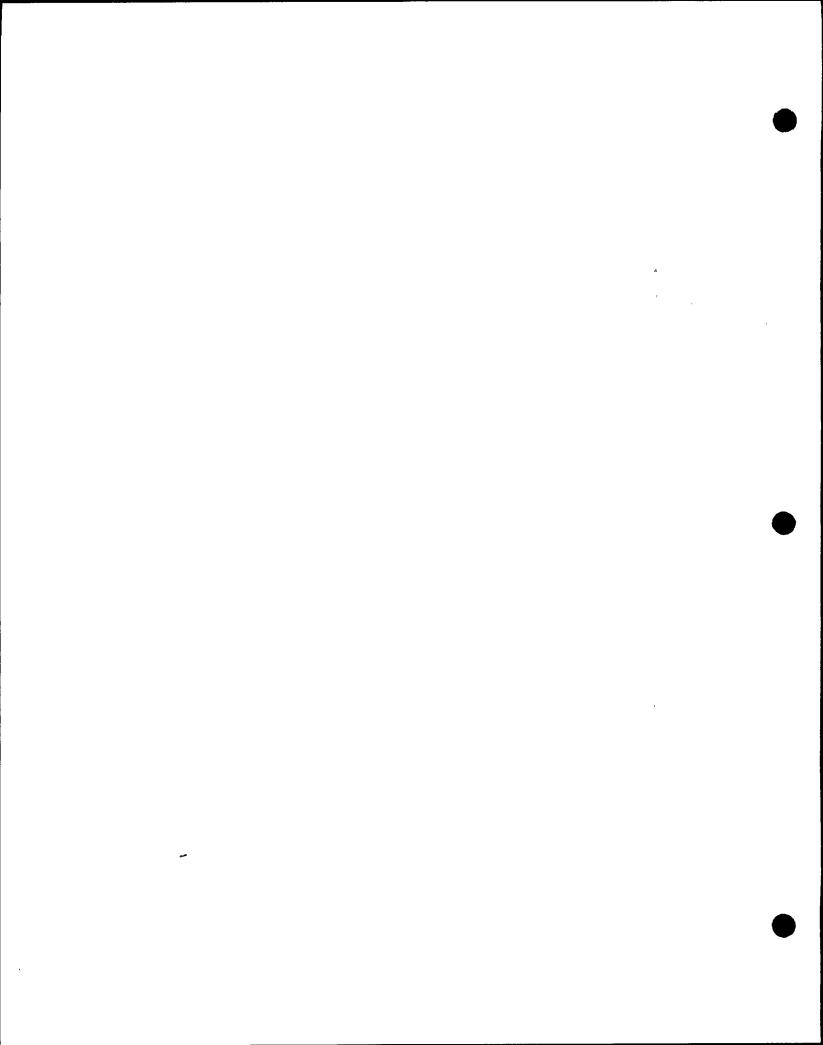
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2					ITEM: _	PIPING - CIRCU PAGE 2	M.WELDS (C-F)(2.2) OF30
CATEGORY		OFNEDAL	NDF	TOTAL	EVAN	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING WELDS IN PIPING -Cont'	d						
C5.21	Circumferential Welds (Multiple Stream Systems)	Butt Welds						
	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)	\$6-2576-8 [2.2-4]						
	END M/S SYSTEMS C-F		•					
C-F	PRESSURE RETAINING WELDS IN PIPING			-				
C5.21	Circumferential 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			1
	Boron Injection Tank Inlet (9-37)	\$6-2032-6111 [2.2-15]	PT UT	7	1/27/85 1/27/85			
	END SINGLE STREAM, C-G							







	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2					ITEM:	PIPING - CIRCU PAGE 3	M.WELDS (C-F)(2.2) OF30
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 - Cont	'd			<del> +</del>			
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						i
	Steam Gen Steam Outlet 2-4 (501016)	K15-225-28V [2.2-19] Lead 4				w <b></b>		
	Main Steam Relief Vlv.Hdr.(501015)	K15-1065-24V [2.2-20] Lead 3			k.	aa ee ua		
	Main Steam Relief Vlv.Hdr.(501016)	K15-1066-24V [2.2-19] Lead 4				** ** **		

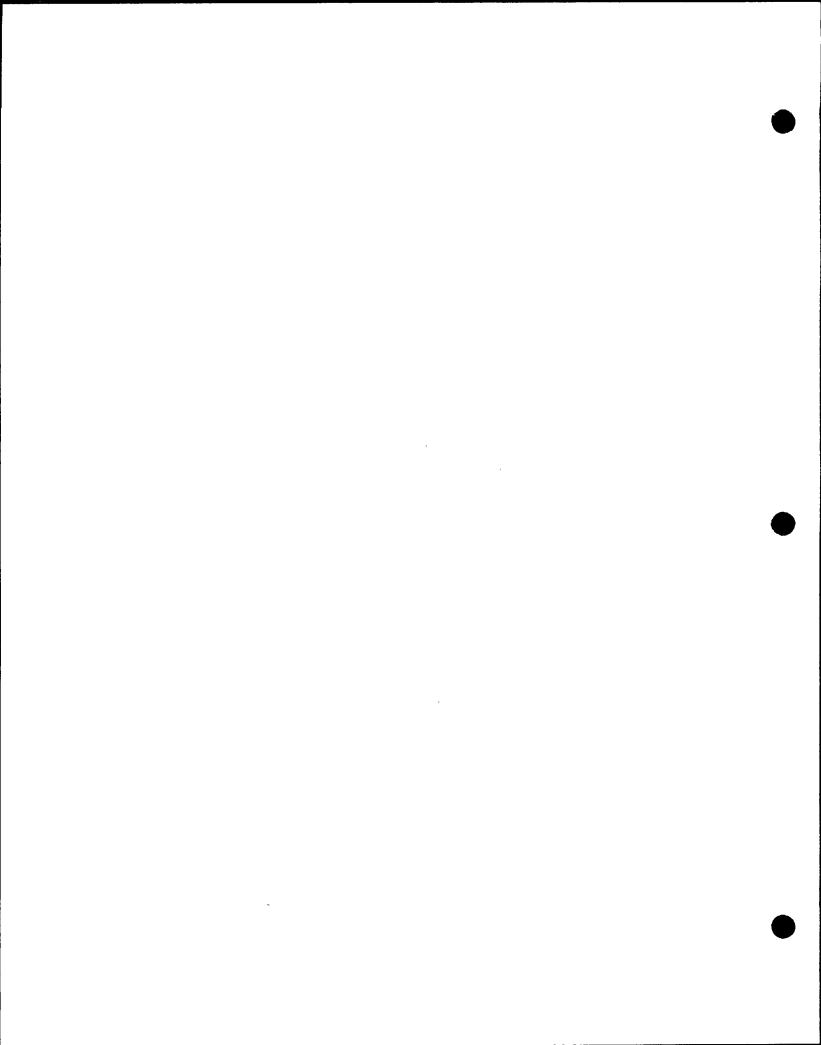




DIABLO CANYON POWER PLANT

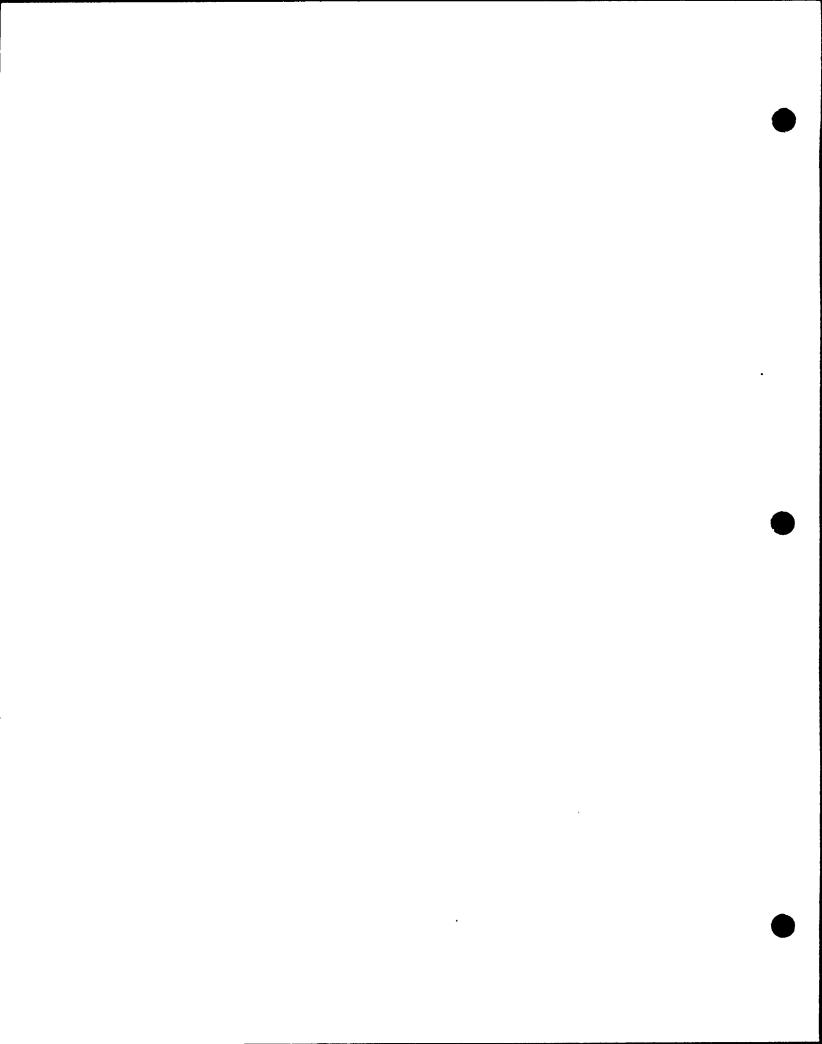
UNIT 2

PRESERVIO ASME SECT	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2		ITEM:	PIPING - CIRC PAGE 4	JM.WELDS (C-F)(2.2) OF 30			
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 - Cont	'd.	. <del></del>					
C5.21	Circumferential Welds (Multiple Streams, Cont'd)	Butt Welds						
	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]				60 00 00 60 00 00		,
	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]						,



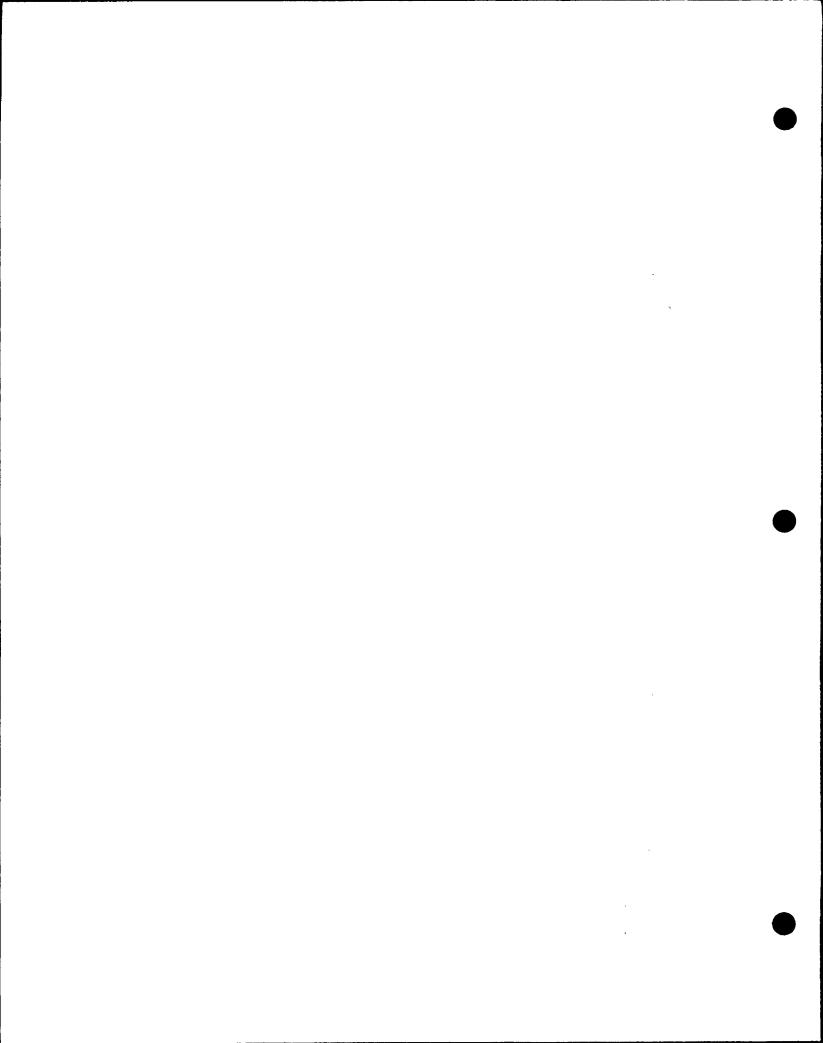


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2		ITEM:	PIPING - CIRCU PAGE 5	JM.WELDS (C-F)(2.2) OF 30			
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING WELDS IN PIPING -Contd		<del></del>		<u></u>	<del></del>		<del></del>
C5.21	Circumferential Welds (Multiple Streams, Cont'd)	Butt Welds						
	RHR Pp Inj Cold Leg Pp 2-1 (9-23) (9-24) (9-25) (10-16)	\$6-508-8III [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)	\$6-509-8111 [2.2-33]						
	RHR Pp 2-1 Inj Cold Leg Loop 1 (9-22)	S6-3844-6111 [2.2-34]	PT UT	2	11/18/77 11/28/77			
	RHR Pp 2-1 Inj Cold Leg Loop 2 (9-22)	S6-3845-6111 [2.2-34]						!
	RHR Pp 2-2 Inj Cold Leg Loop 3(9-21)	S6-3846-6111 [2.2-33]				~~~		•
	RHR Pp 22 Inj Cold Leg Loop 4(9-21)	\$6-3847-6111 [2.2-33]						



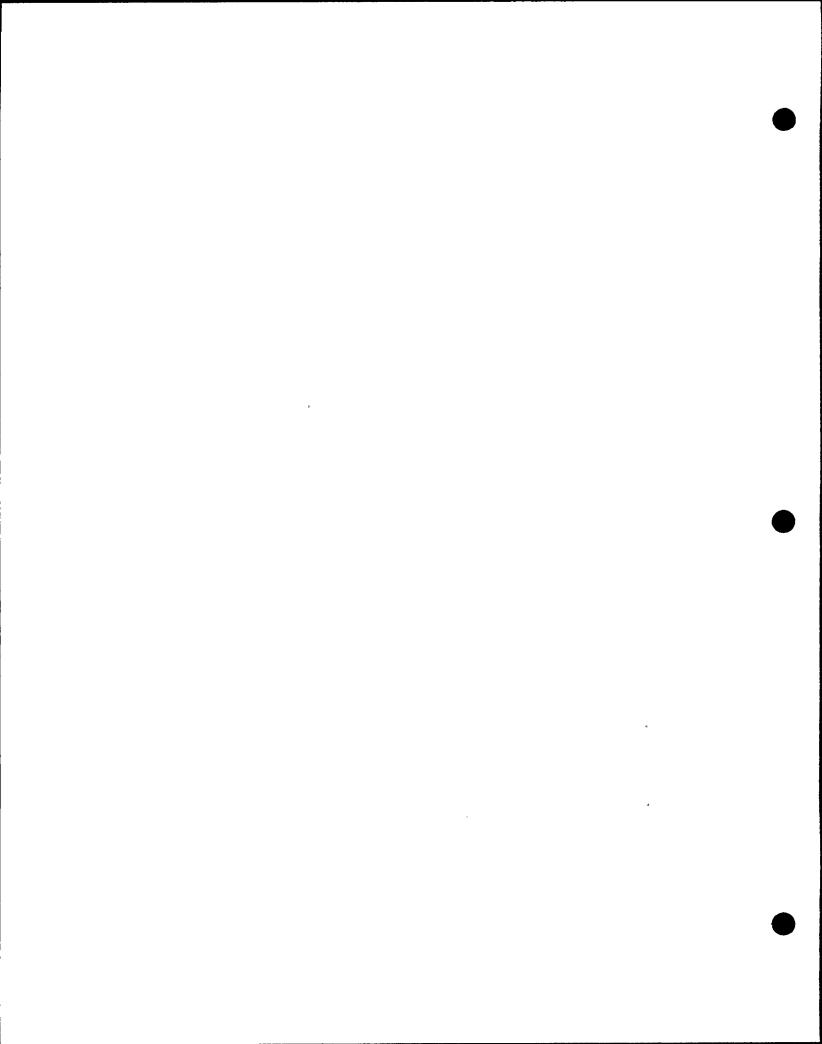


	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2					ITEM:	PIPING - CIRCU PAGE 6	M.WELDS (C-F)(2.2) OF 30
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F.	PRESSURE RETAINING WELDS IN PIPING -Contd	I						
C5.22	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		es un en				•





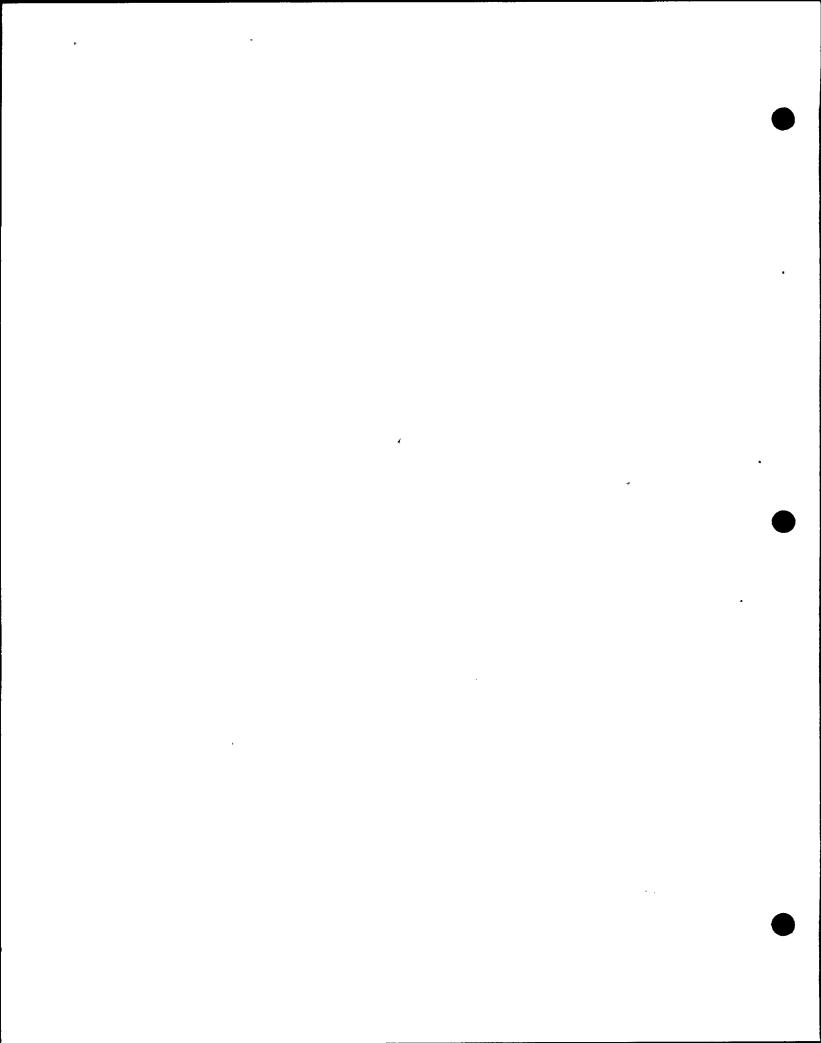
	PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 2  PAGE 7 OF 30								
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS	
C-F C5.22	PRESSURE RETAINING WELDS IN PIPING -Contd Long'l Welds Cont'd.	*					-		
	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		as	<b></b>	,		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							







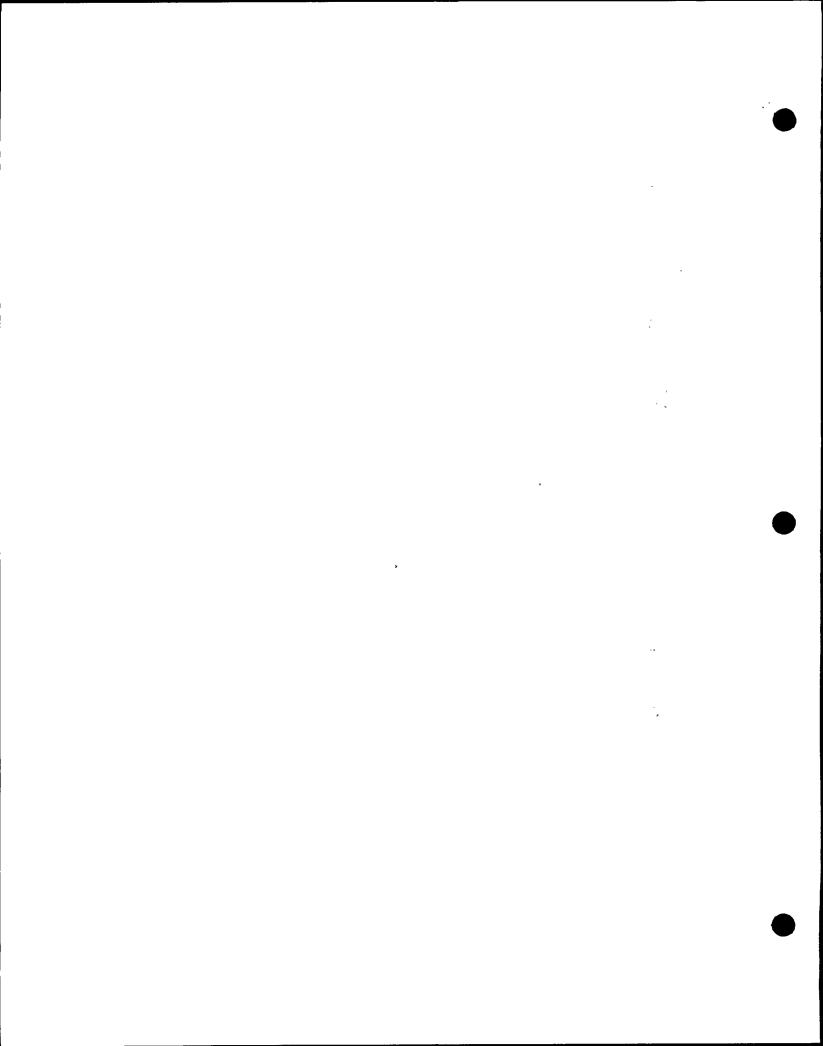
PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 2							PIPING - CIRC PAGE 8	OF 30	(2.2)
CATEGORY	1			<b>7074</b> 1		COND	CORRECTIVE	<del></del>	<del>`</del>
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS	
C-F	PRESSURE RETAINING WELDS IN PIPING Piping Welds < 1/2" or Nominal Wall Thickness								•
C5.11	Circumferential 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)	\$1-3551-14III [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 Charg.Pps.Suct Header (8-14)	S2-1456-8 [2.2-7]	PT	2	1/12/85			1	





	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2					ITEM: _	PAGE 9	JM.WELDS (C-F)(2.2) OF30
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 - Cont	t'd					:	
25.11	Circumferential 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)	\$1-1661-8III [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



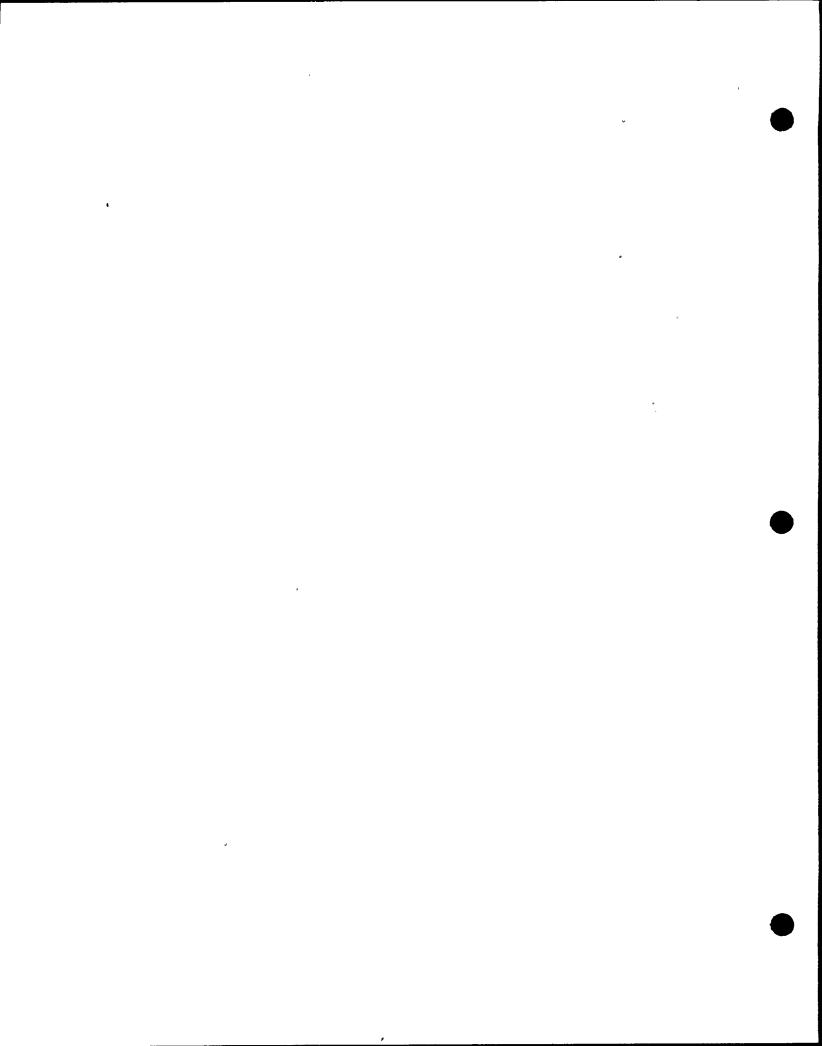


DIABLO CANYON POWER PLANT

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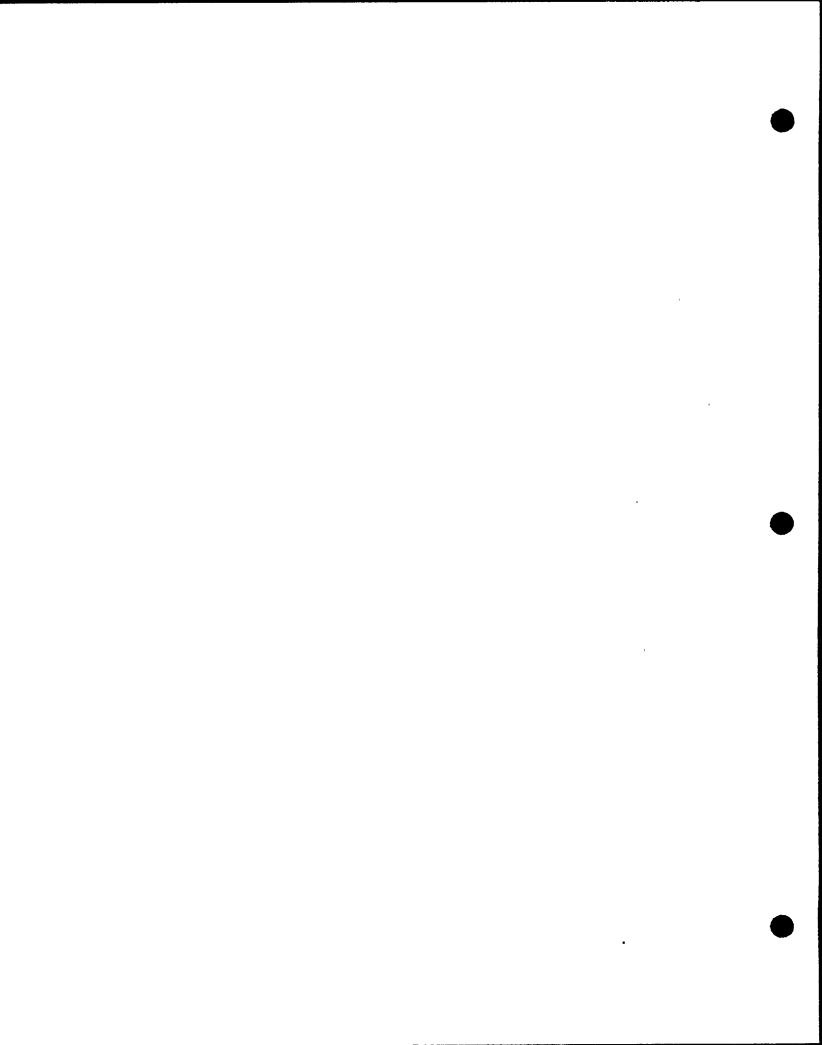
	E INSPECTION SUMMARY				<del></del>	ITEM:		M.WELDS (C-F)(2.2)
	ION XI SYSTEMS-CLASS 2						PAGE 10	0F <u>30</u>
CATEGORY	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING WELDS IN PIPING - Cont	.'d		······				
C5.11	(Multiple Stream Syste	ms)Butt Welds						
	Residual Ht Rem Pp2-1 Suction (10-10) (10-9)	\$1-110-14III [2.2-25]	PT	8	9/1/76			-
	Residual Ht Rem Pp2-2 Suction (10-10) (10-8)	\$1-111-14III [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]						İ
,	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	\$1-119-8III* [2.2-27]						

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





	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2				<del></del>	ITEM: _	PIPING - CIRC PAGE 11	JM.WELDS (C-F)(2.2) OF 30
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		<u> </u>					
C5.11	Multiple Streams, Category C-F Cont'd	Butt Welds				•		`
	Cent Charg Pmp Suct Pmp 2-1 (8-13)	S2-42-6 [2.2-35]	PT	15	1/12/85			
	Cent Charg Pmp Suct Pmp 2-2 (8-14)	S2-43-6 [2.2-7]						
	END OF CATEGORY C-F BU	TT WELDS						
C-F	PRESSURE RETAINING WELDS IN PIPING - Cont	: <b>'</b> 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 Charg Pps. Suct (10-5)	\$2-734-8III [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			1 .

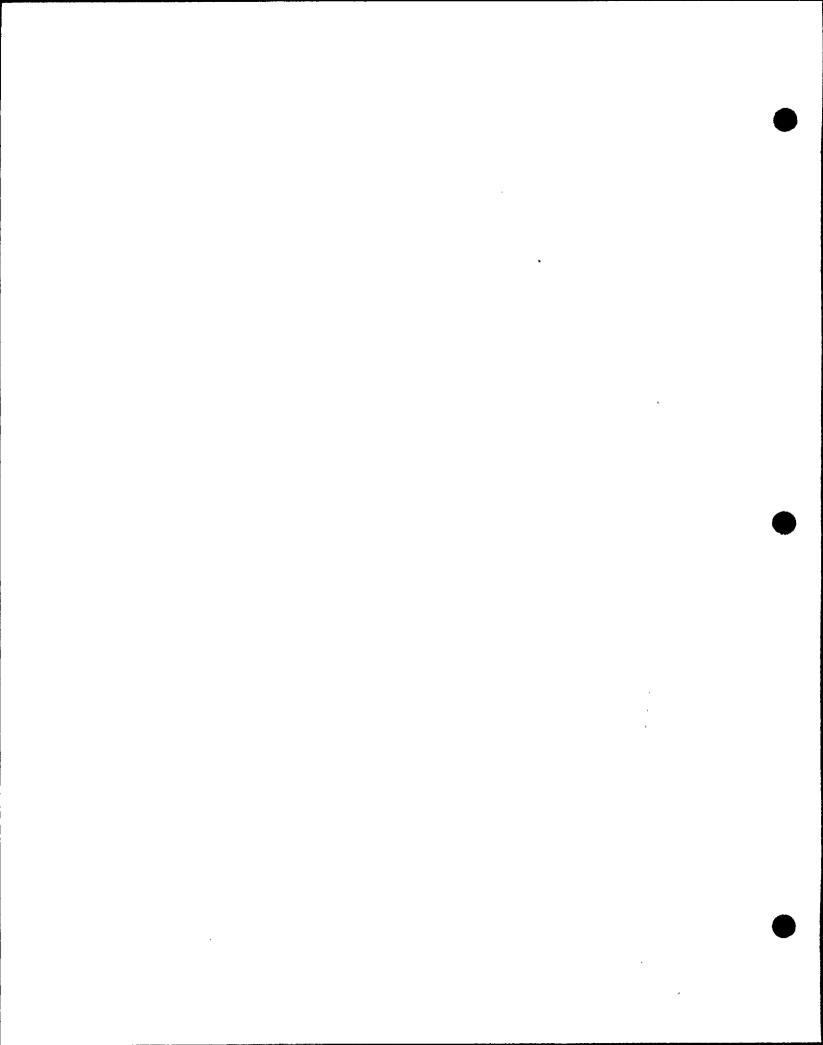


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DIABLO CANYON POWER PLANT - UNIT 2

PRESERVIC ASME SECT	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2	······································		<del></del>		ITEM:	PIPING - CIRCU PAGE 12	M.WELDS (C-F)(2.2) OF 30
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	Single Streams, Cont'd Category C-G	Butt Welds						
	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)	\$2-1986-8 [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)	\$1-2212-8III [2.2-14]	PT	1	9/2/76	ee ee ee		•
	X-Tie Chg Pp & SI Pp Suction (10-5)	S2-4296-6 [2.2-2]	PT	4	1/11/85			r
	RHR To Safety Injec. Pump 2-1	S2-6 (6") [2.2-16]	PT	4	1/15/85			

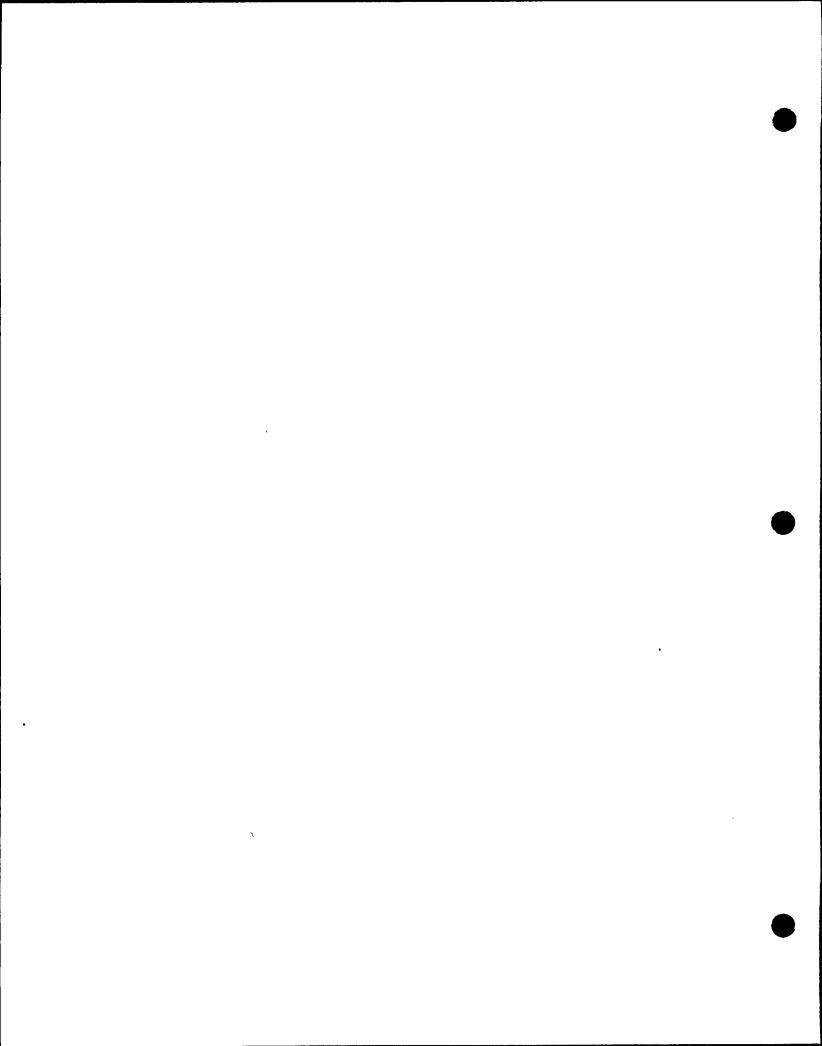
END S/S SYSTEMS C-G BUTT WELDS



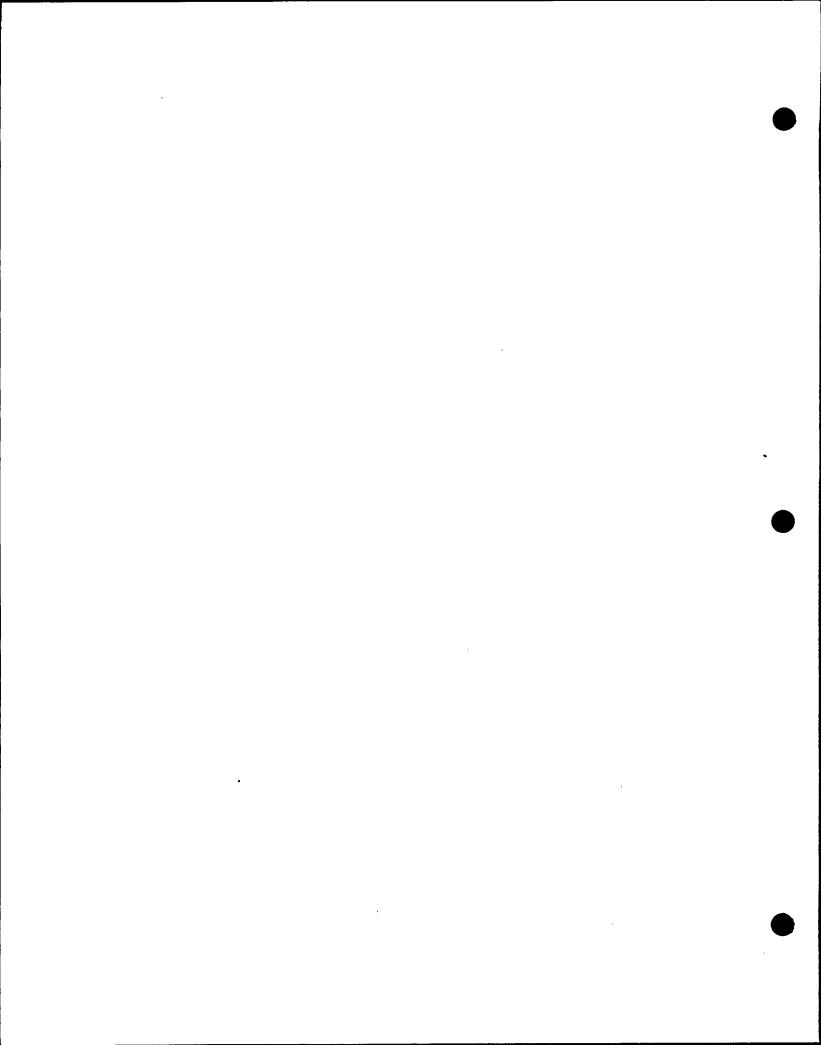




	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2				<del> </del>	ITEM:	PIPING - CIRCUM PAGE 13	.WELDS (C-F)(2.2) OF 30
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING WELDS IN PIPING- Cont'	d						
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
	Steam Gen MSRV Riser 2-2 (501014)	K15-228-8V [2.2-18]						as Typical
	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]				•••	oo oo oo	İ
	Charg. Pps Suction From RWST Vlv A (9-3) Charg Pps Suc. From RWST Vlv.B (9-3)	S2-1987-8 [2.2-28] S2-1988-8 [2.2-28]	PT	2	1/8/85		 ,	*Ref. Single Str. for balance of line 1988-8 Table 2-2 Page 12



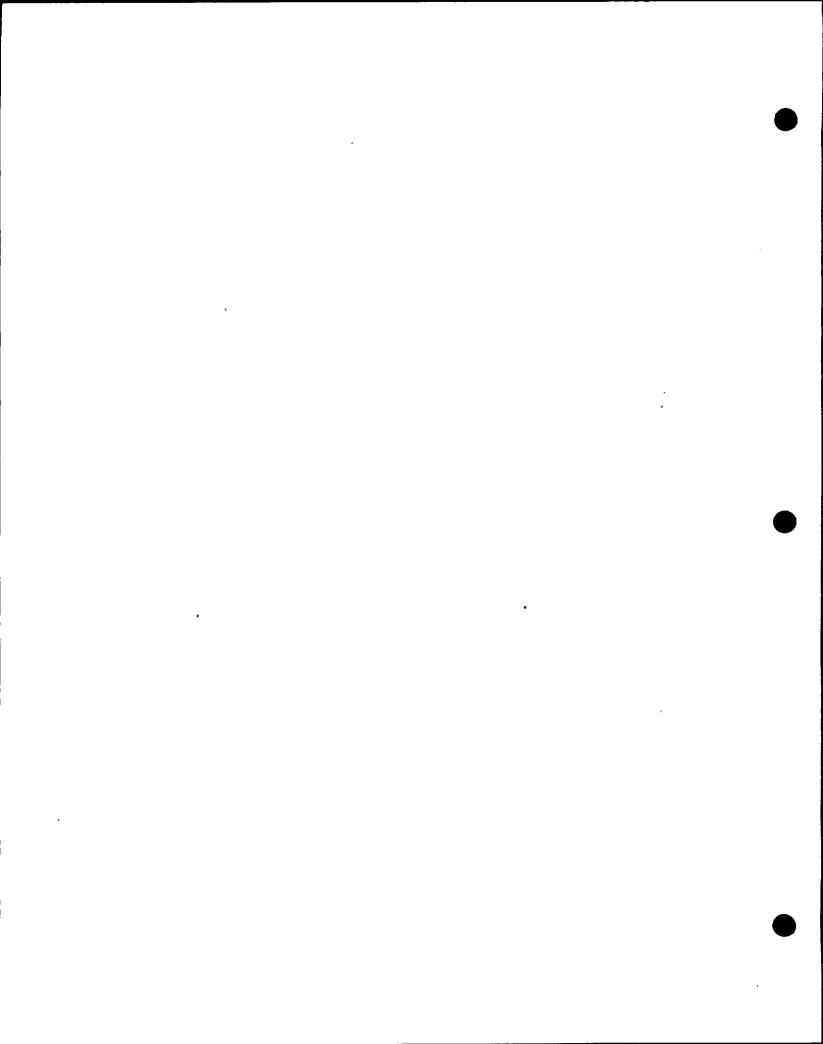
	E INSPECTION SUMMARY	<del></del>		•		ITEM:	PIPING - CIRCUM.	
ISME SECT	TION XI SYSTEMS-CLASS 2						PAGE 14	0F <u>30</u>
ATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
G-F ,	PRESSURE RETAINING WELDS IN PIPING - Cont	;'d						
25.11	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)	\$1-280-8III [2.2-11]					an an an	
	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	· · ·		16ma 1000
	Safety Inj Pump Suc. Pump 2-2 (9-5)	S2-1983-6 [2.2-12]				<b></b>		Line 1982 Chosen as Typical *See Category C-F Table 2.2 Page 10
	End of Item C5.11							for balance of line 118 and 119



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	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2				•	ITE	M: PIPING - CI PAGE 15	OF
CATEGORY		OFNEDAL	NDC	TOTAL	FVAN	COND	CORRECTIVE ACTION	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	(IF REQUIRED)	REMARKS
C-F	PRESSURE RETAINING . WELDS IN PIPING- Cont'	d					<i>:</i>	
	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]						f
	Residual Ht Exchanger 2-1 Outlet (10-5,16)	S1-118-8III [2.2-26]	PŢ	1	3/22/76			WIC 51LS Line 118 Chosen as Typical
	Residual Ht Exchanger 2-2 Outlet (10-12,6)	\$1-119-8III [2.2-27]						

END OF CATEGORY C-F LONG'L WELDS

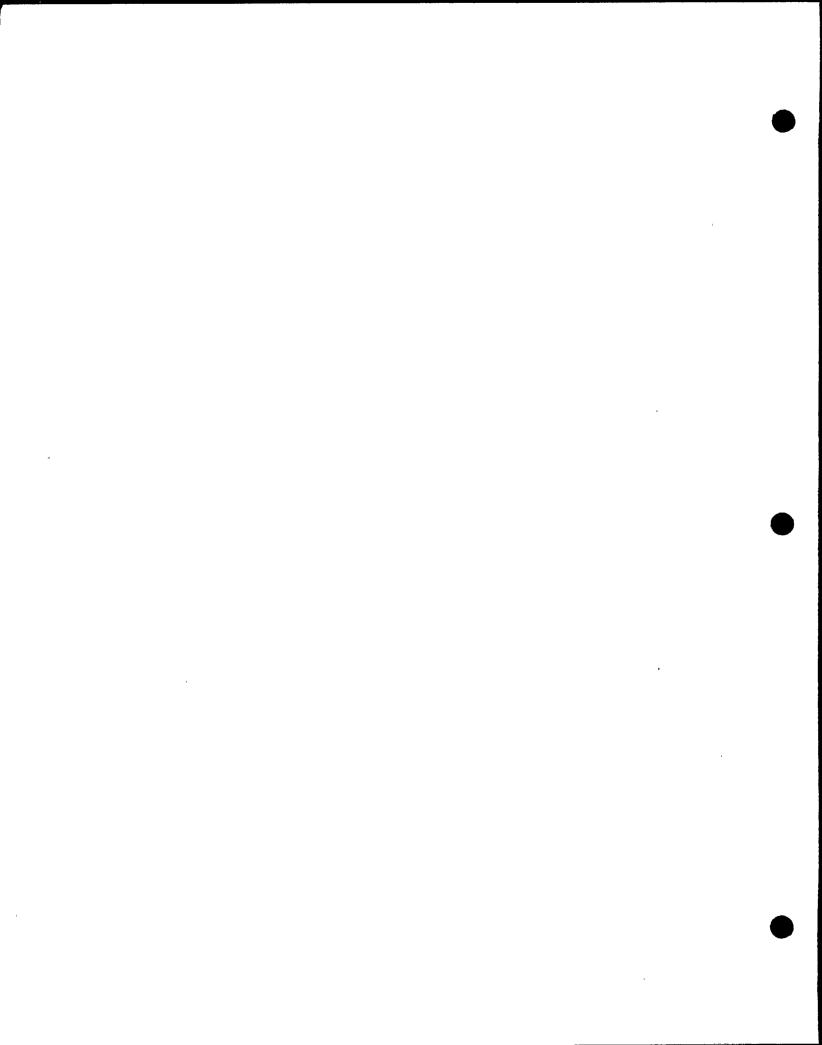








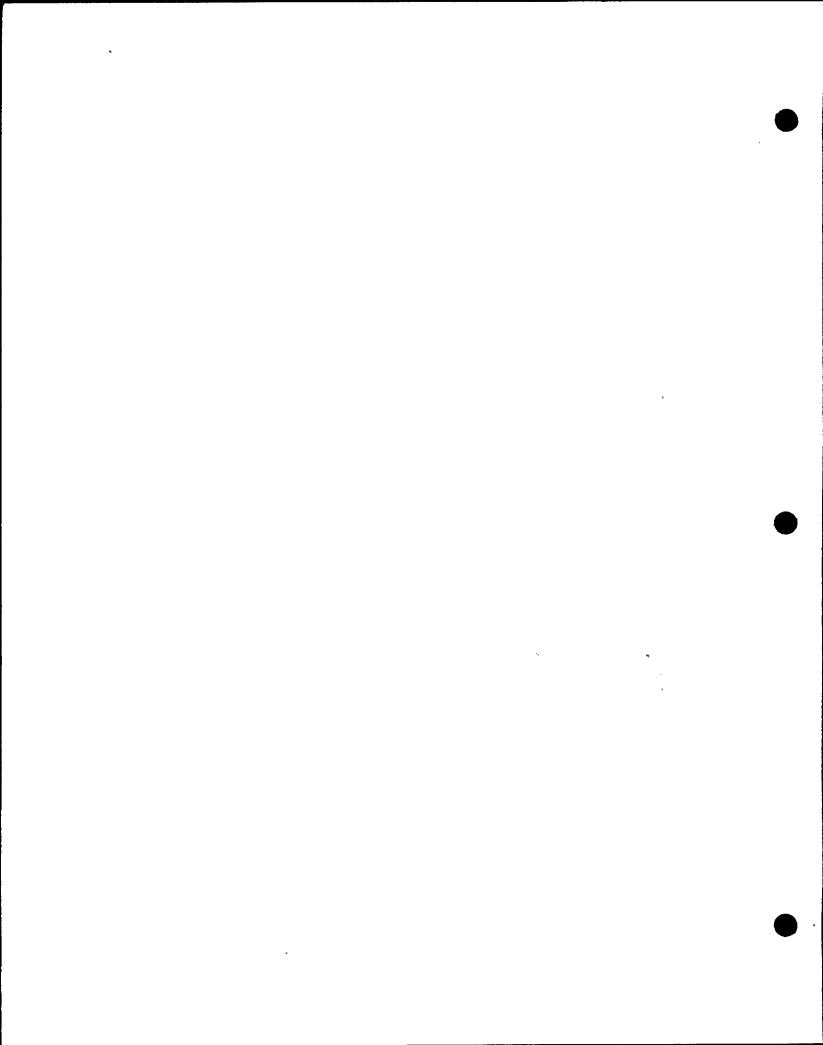
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS	2				ITEM:	PIPING - CIRCU PAGE 16	M.WELDS (C-D) (2.2) OF 30
CATEGORY		OCHEDAL	NDE	TOTAL	CVAN	00110	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-D	PRESSURE RETAINING BOLTING						· · · · · · · · · · · · · · · · · · ·	
C4.20	Bolting > 2" Dia.							Items Not Applicable







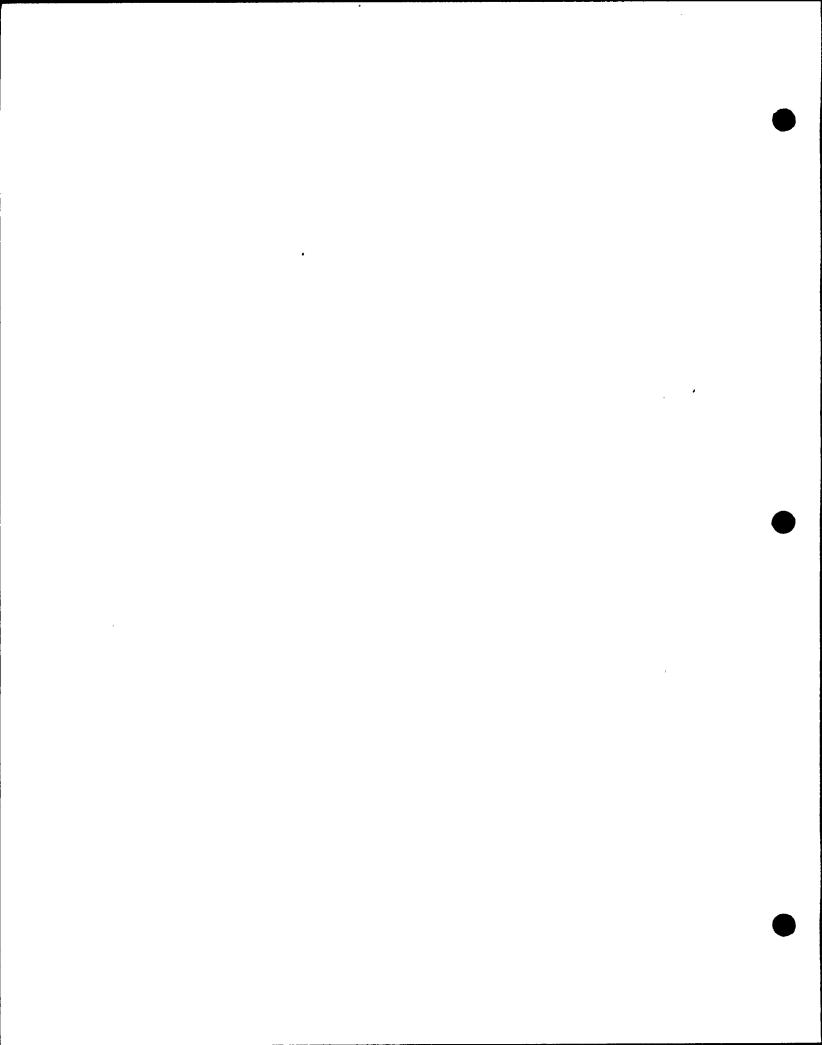
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2		ITEM:	PIPING - SUPPORTS PAGE 17	(C-C)(C-E) (2.2) OF 30			
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
-	SUPPORTS							
C-C	INTEGRALLY WELDED ATTACHMENTS (TO PRESSURE BOUNDARY)							This column identifies attachm't number when applicable for surface
C3.40 C3.70	Piping Pumps (see table 2.3)	Attach't						exam.
C3.100	Valves							Valve items are included with piping.
C-E C3.50 C3.60 C3.80	SUPPORT COMPONENTS Piping Piping Pumps (See Table 2.3)	Supports Supports						See Following Pages See Following Pages
C3.90 C3.110	Pumps (See Table 2.3) Valves							Valve items are included with piping.
C3.120	Valves							See Following Pages





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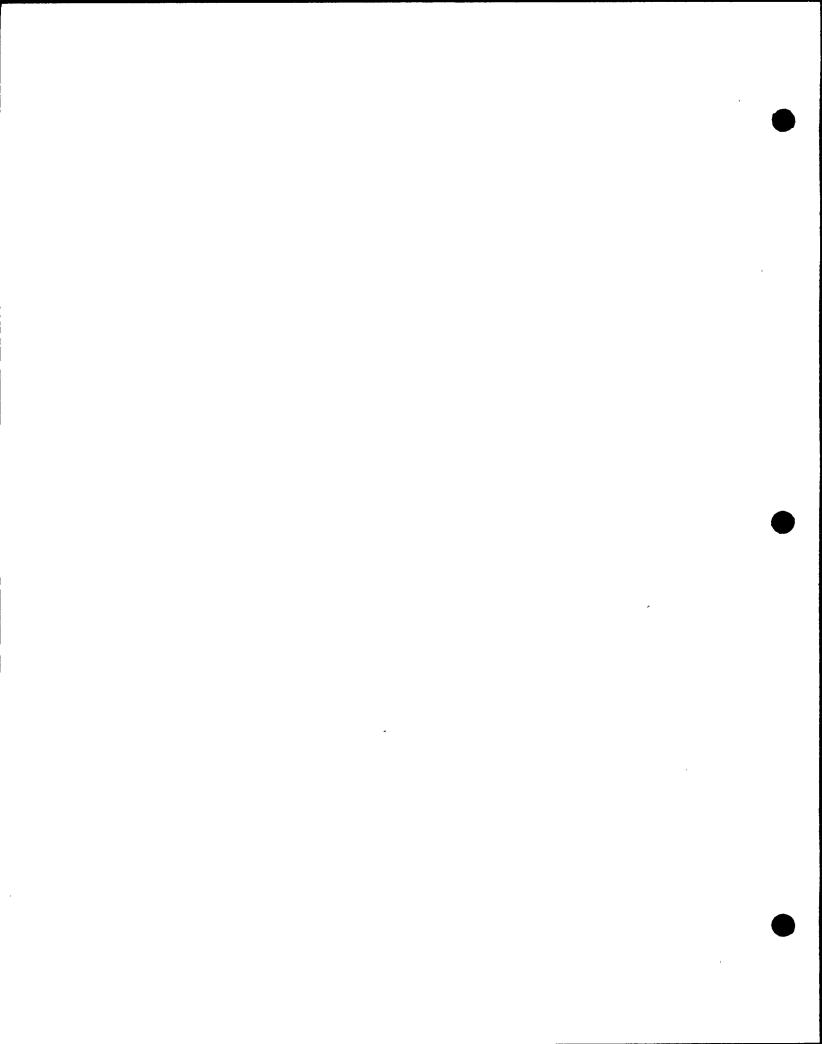
	E INSPECTION SUMMARY ION XI SYSTEMS-CLASS 2	<del></del>				ITEM:	PIPING - SUPPORT PAGE 18	S (C-C)(C-E) (2.2) OF 30
CATEGORY						<del></del>	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE Meth	TOTAL ITEMS	EXAM Date	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS		<u>-,</u>					
C3.40 C3.50 C3.60	Support Attach't - Support Components Mechanical and Hydrau (C-F) SINGLE STREAM	Item is not ap <u>p</u> lic	licable	e unless	s surface	examination	entry shown	
		Line No. & ISI Dwg. No.						
C3.50 C3.60	Loop 4 Hot Leg to RHR Pps (10-21) (10-10)	S1-927-14III [2.2-1]	VT-3 (VT-4)		1/4/85			1
C3.50 C3.60	RHR Injection to Hot Leg 1 & 2 (10-19) (10-18) (10-15)	S1-985-12IIIP [2.2-3] [2.2-4] [2.2-5]	VT-3 (VT-4)		1/4/85			
	(10-13)	(\$6-120-12)						
C3.40 C3.50 C3.60	Cent Charg Pps Suct Header (8-14)	S1-1456-8 [2.2-7]						No supports in boundary
C3.50 C3.50 C3.60	RHR Exch Bypass Cross-Tie (10-2,3)	S1-1663-8III [2.2-8] [2.2-9]	VT-3 (VT-4)	4	5/15/85			ı





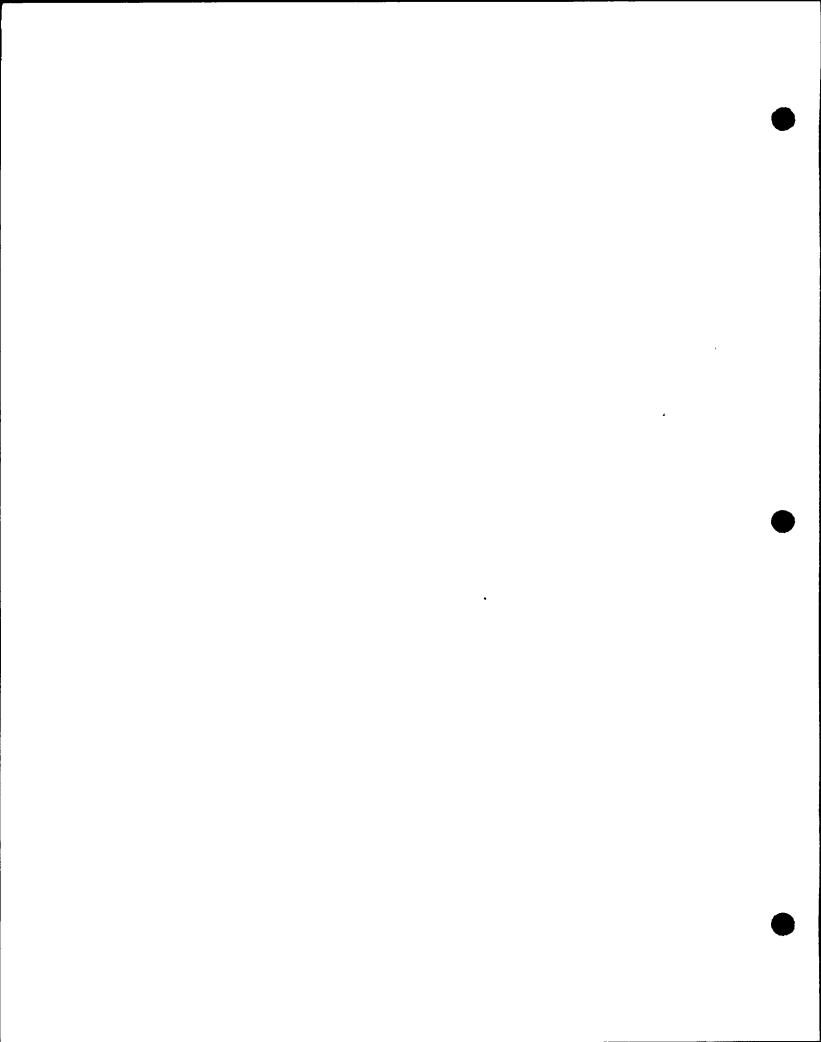


	RESERVICE INSPECTION SUMMARY SME SECTION XI SYSTEMS-CLASS 2						PIPING - SUPPORTS PAGE 19	(C-C)(C-E) (2.2) OF30
CATEGORY	· · · · · · · · · · · · · · · · · · ·	OENED AL	NDE	TOTAL	TVAM	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS Cont'd		- -					
C3.40 C3.50 C3.60	Support Attach't Support Components (C-F) Single Stream, Cont'd	Line No. & ISI Dwg. No.						
C3.40 C3.50 C3.60	Residual Ht Exchs Bypass Hdr (10-4,13)	S1-1661-8III [2.2-10]	PT VT-3 (VT-4		1/28/85 1/5/85			
C3.40 C3.50 C3.60	Cent Charg Pps Disch Hdr. (8-18)	S6-1454-6 [2.2-15]	PT VT-3 (VT-4	1 5	1/6/78 1/4/85			i
	(C-F) Multiple Stream							
C3.50 C3.60	Residual Ht Rem Pp 2-1 Suction (10-10) (10-9)	S1-110-14IIIP [2.2-25]	VT-3 (VT-4		1/7/85			,
C3.50 C3.60	Residual Ht Rem Pp 2-2 Suction (10-10) (10-8)	S1-111-14IIIP [2.2-6]	VT-3 (VT-4		1/7/85	es) ess és		1

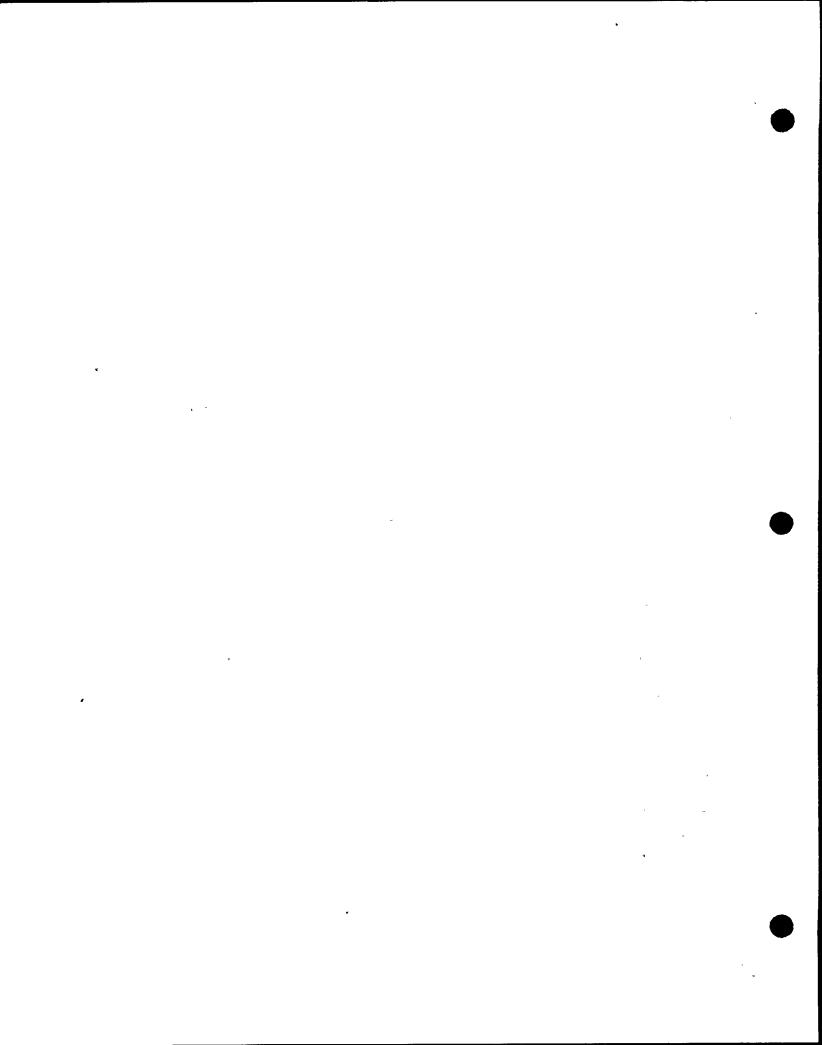




	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2		ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2) PAGE 20 OF 30				
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS Cont'd						
C3.40 C3.50 C3.60	Support Attach't Support Components (C-F) <u>Multiple Stream</u> Cont'd	Line No. & ISI Dwg. No.					•
C3.50 C3.60	Residual Ht Rem Pp 2-1 Discharge (10-2)	\$1-112-8III [2.2-8]	VT-3 5 (VT-4)	1/7/85	00 00 00		
	Residual Ht Rem Pp 2-2 Discharge (10-3)	S1-113-8III [2.2-9]	VT-3 4 (VT-4)	1/19/85			
C3.50 C3.60	Residual Ht Exchanger 2-1 Outlet (10-5,16)	\$1-118-8III [2.2-26]	VT-3 9 (VT-4)	1/8/85			
	Residual Ht Exchanger 2-2 Outlet (10-12,6)	S1-119-8III [2.2-27]	VT-3 11 (VT-4)	1/9/85			•



	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2			ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2) PAGE 21 OF 30			
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTA METH ITEM		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C ·	PIPING SUPPORTS						
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Multiple Stream Cont'd	Line No. & ISI DWG. No.					
C3.50 C3.60	RHR Exchs Outlet HX 2-1 Cross Tie (10-15)	\$1-2458-8III [2.2-3]	VT-3 2 (VT-4)	1/5/85			<b>!</b>
C3.50 C3.60	RHR Exchs Outlet HX 2-2 Cross Tie (10-14)	\$1-1669-8III [2.2-14]	VT-3 4 (VT-4)	1/4/85			ţ
C3.50 C3.60	SIS to RCS Hot Leg Loop 1 (10-19,31)	\$6-2575-8 [2.2-5]	VT-3 2 (VT-4)	1/3/85			j
C3.50 C3.60	SIS to RCS Hot Leg Loop 2 (10-19,31)	\$6-2576-8 [2.2-5]	VT-3 3 (VT-4)	1/3/85			

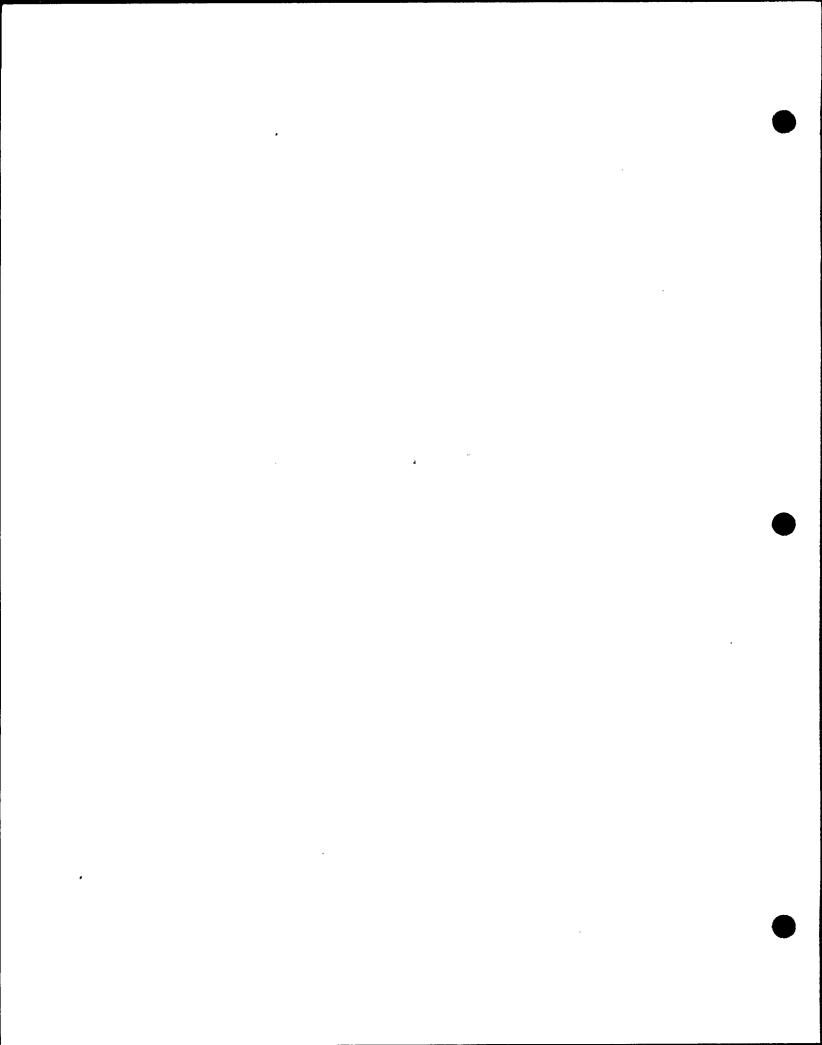






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	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2				ITEM:	PIPING - SUPPORTS PAGE 22	0F 30
CATEGORY		OCHEDAL	NOT TOTAL	EVAN.	COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS 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	Cent Charg Pmp Suc Pmp 2-1 (8-13)	S6-42-6 [2.2-35]	VT-3 4 (VT-4)	1/16/85			el
C3.50 C3.60	Cent Charg Pump Suct Pmp 2-2 (8-14)	S2-43-6 [2.2-7]	VT-3 3 (VT-4)	1/16/85			
C3.50 C3.60	RWST to Res Ht Rem Pps Suct (10-8,10)	S1-223-12IIIP [2.2-6]	VT-3 1 (VT-4)	1/19/85			# - - -
C3.50 C3.60	Res Ht Rem to Charg Pps Suct (10-5)	S2-734-8IIIP [2.2-2]	VT-3 2 (VT-4)	1/5/85			
C3.50 C3.60	RHR to Charg Pps Suct (10-5)	\$1-1971-8III [2.2-2]	VT-3 5 (VT-4)	1/21/85			
C3.50 C3.60	RHR to SIS Pp 2-2 and Cont Spray (10-10,11)	\$1-735-8III [2.2-11]	VT-3 5 (VT-4)	1/4/85			

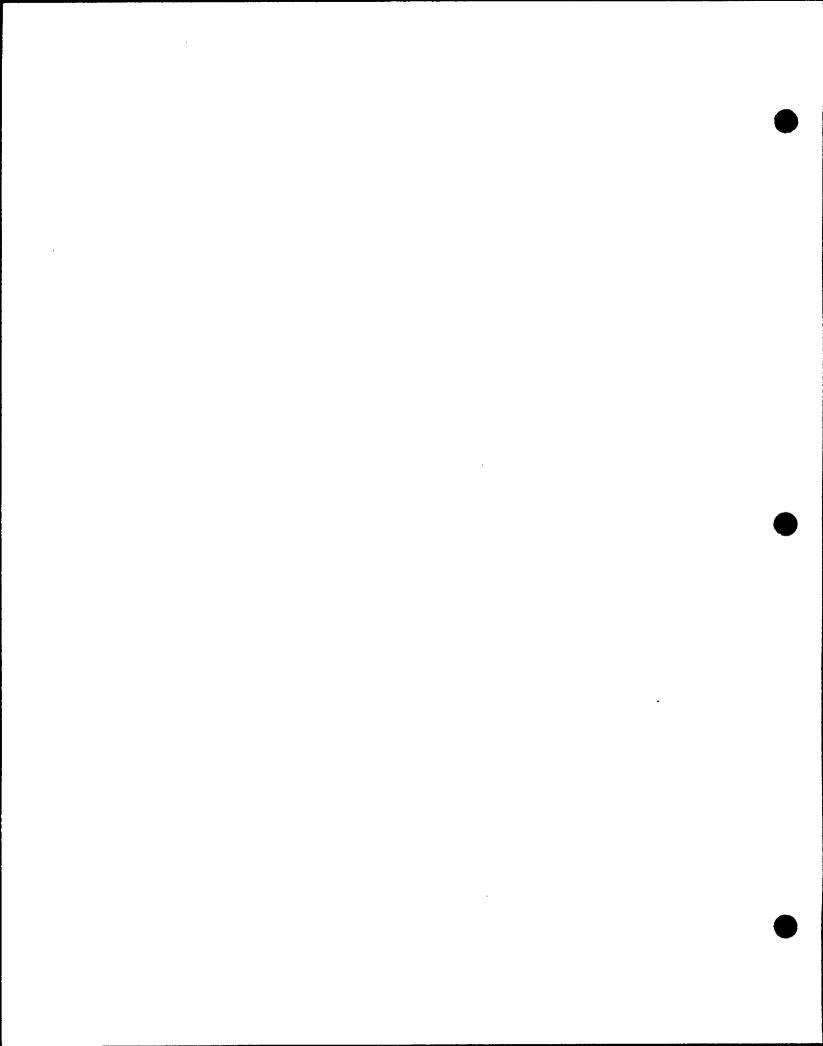






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PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 2  PAGE 23 OF 30									
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS		
C-C - C-E	PIPING SUPPORTS Cont'd					<del></del>			
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Single Stream	Line No. & ISI DWG. No.		-					
C3.50 C3.60	RHR to Safety Injection Pmp 2-2 (9-1,5)	S1-1984-8III [2.2-12]	VT-3 4 (VT-4)	1/9/85					
C3.50 C3.60	Safety Inj Pumps Suction Hdr (9-1,4)	\$2-1986-8 [2.2-13]	VT-3 3 (VT-4)	1/22/85	44 64 65				
C3.40 C3.50	Residual Heat Rem to RWST (10-14)	\$1-2212-8 [2.2-14]					No Supports in Boundary		
C3.60 C3.50 C3.60	Charging Pumps Disch Emerg (9-37,8-18)	\$6-1973-6 [2.2-15]	VT-3 1 (VT-4)	1/3/85		a a a	I		
C3.50 C3.60	Boron Injection Tank Inlet (9-17,8-18)	S6-2032-6III [2.2-15]	VT-3 4 (VT-4)	1/7/85			•		



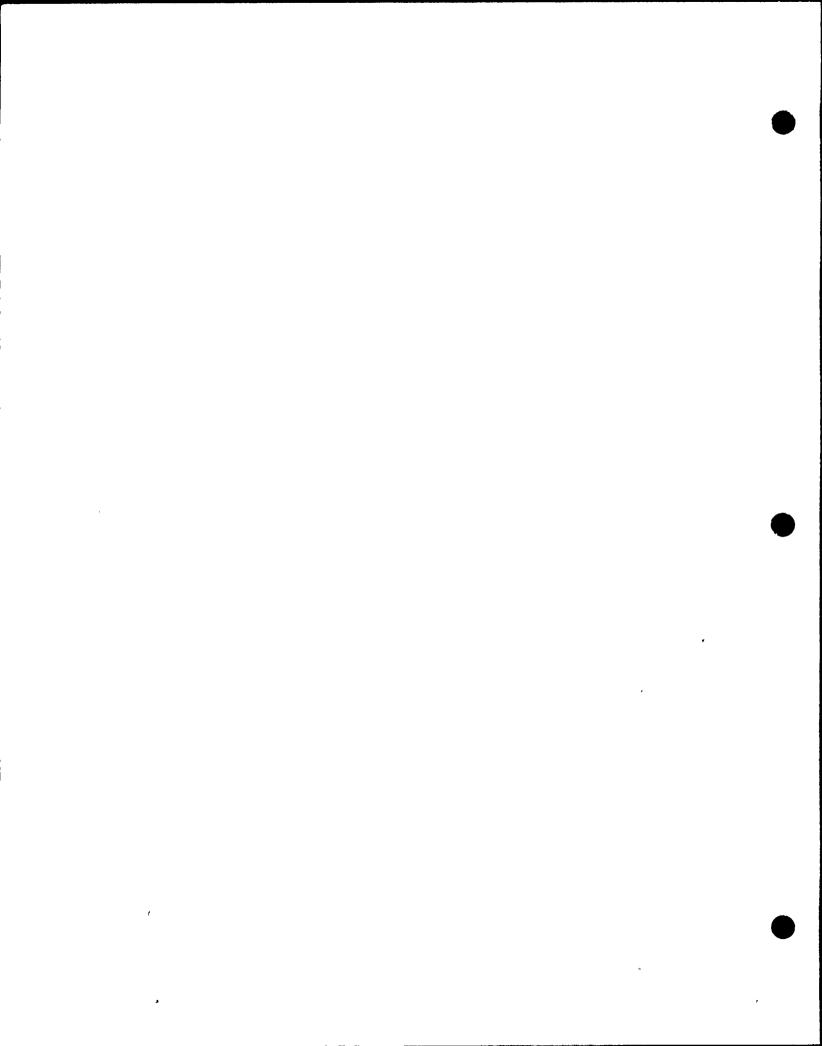




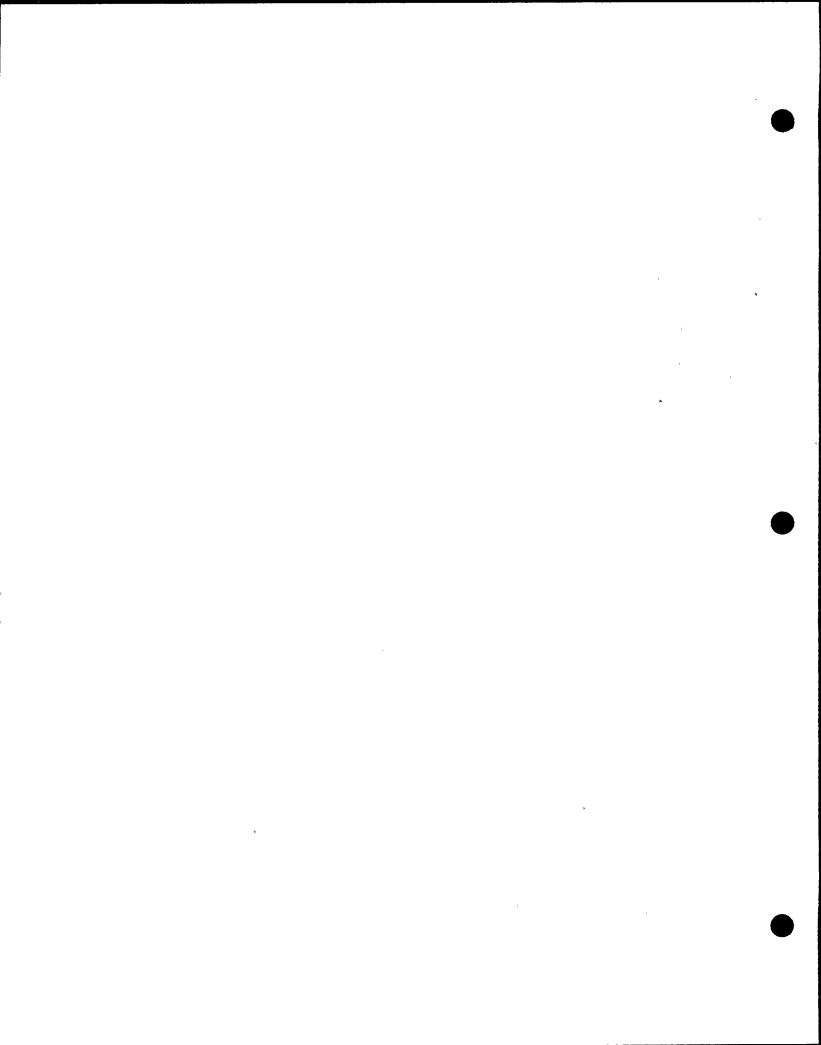
DIABLO CANYON POWER PLANT - UNIT 2

PRESERVIO ASME SECT	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2	. •	ITEM: $\frac{\text{PIPING - SUPPORTS (C-C)(C-E) (2.2)}}{\text{PAGE } \underline{24} \text{ OF } \underline{30}}$					
CATEGORY		OCNEDAL	NDE	TOTAL	EXAM	COND.	CORRECTIVE ACTION	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	ITEMS	DATE	NOTED	(IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS Cont'd							
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) <u>Single Stream</u> Cont'd	Line No. & ISI DWG. No.						
C3.50 C3.60	X-Tie Chg Pp & SI Pp Suction (10-5)	\$2-4296-6 [2.2-2]	VT-3 (VT-4		1/22/85			
C3.50 C3.60	RHR to Safety Injection Pmp 2-1 (9-2,6)	S2-6 [2.2-16]	VT-3 (VT-4		1/21/85			j
	(C-G) Multiple Stream							
C3.40 C3.50 C3.60	Steam Gen Steam Outlet 2-1 (501013)	K15-228-28V [2.2-17] Lead 1	MT VT-3 (VT-4		1/13/85 1/3/85			
C3.40 C3.50 C3.60	Steam Gen Steam Outlet 2-2 (501013)	K15-227-28V [2.2-18] Lead 2	MT VT-3 (VT-4		1/13/85 1/3/85			

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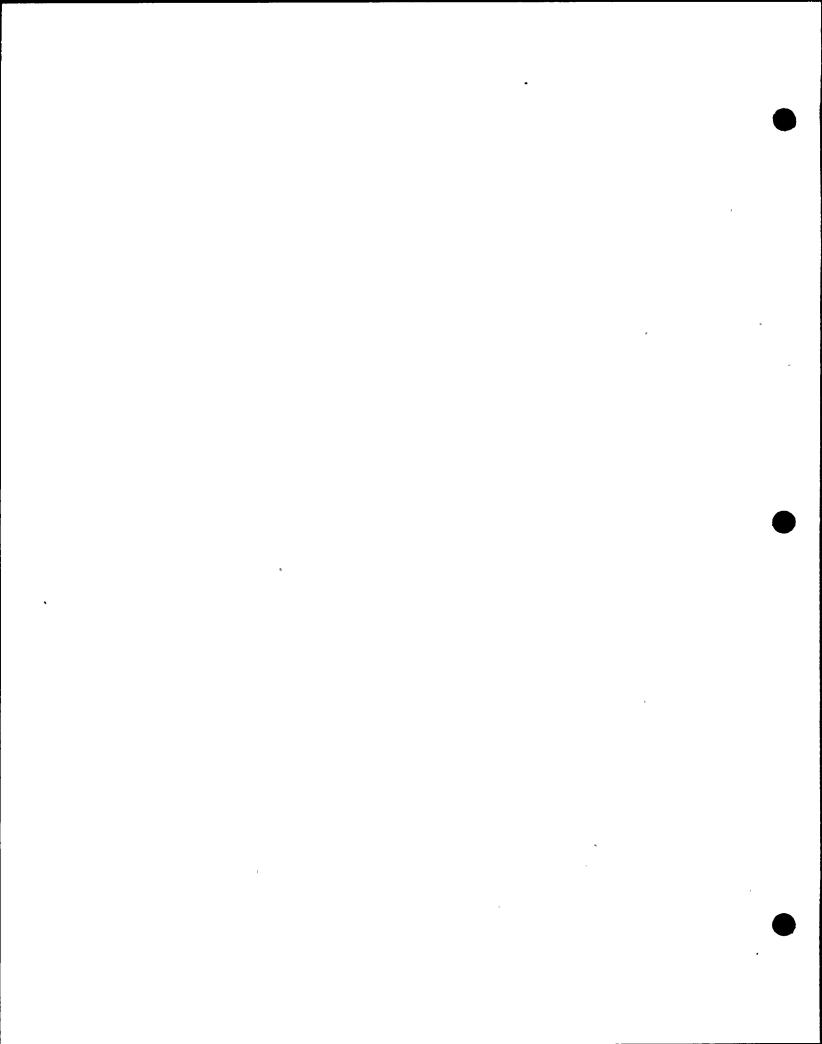


PRESERVIO ASME SECT	(C-C)(C-E) (2.2) OF 30							
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION		OTAL TEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C C-E	PIPING SUPPORTS Cont'd							
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Multiple Stream Cont'd	Line No. & ISI DWG. No.						•
C3.40 C3.50 C3.60	Steam Gen Steam Outlet 2-3 (501015)	K15-226-28V [2.2-19] Lead 3	MT 2 VT-3 6 (VT-4)		1/13/85 1/3/85			
C3.40 C3.50 C3.60	Steam Gen Steam Outlet 2-4 (501016)	K15-225-28V [2.2-20] Lead 4	MT 1 VT-3 6 (VT-4)		1/13/85 1/19/85			ŧ
C3.50 C3.60	Main Stm Relief Vlv. Hdr. 2-3 (501015)	K15-1065-24V Lead 3 [2.2-19]	VT-3 2 (VT-4)		1/5/85			
C3.50 C3.60	Main Stm Relief Vlv. Hdr. 2-4 (501016)	K15-1066-24V Lead 4 [2.2-20]	VT-3 5 (VT-4)	;	1/5/85			

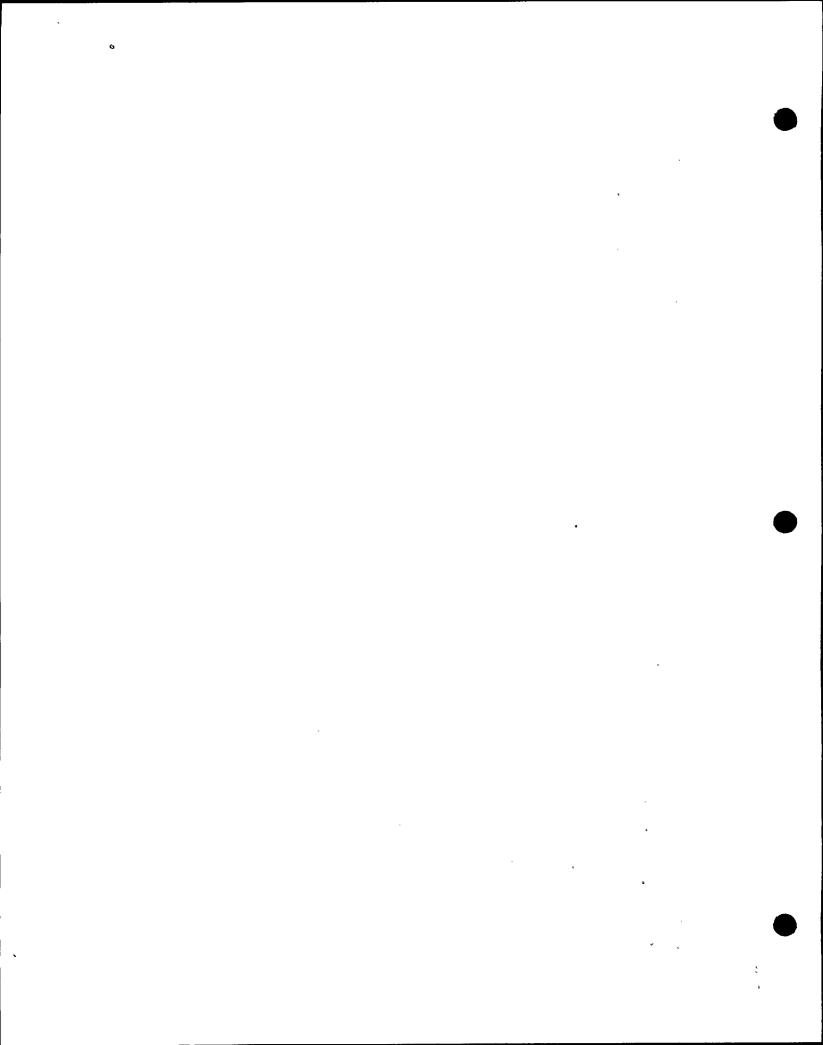




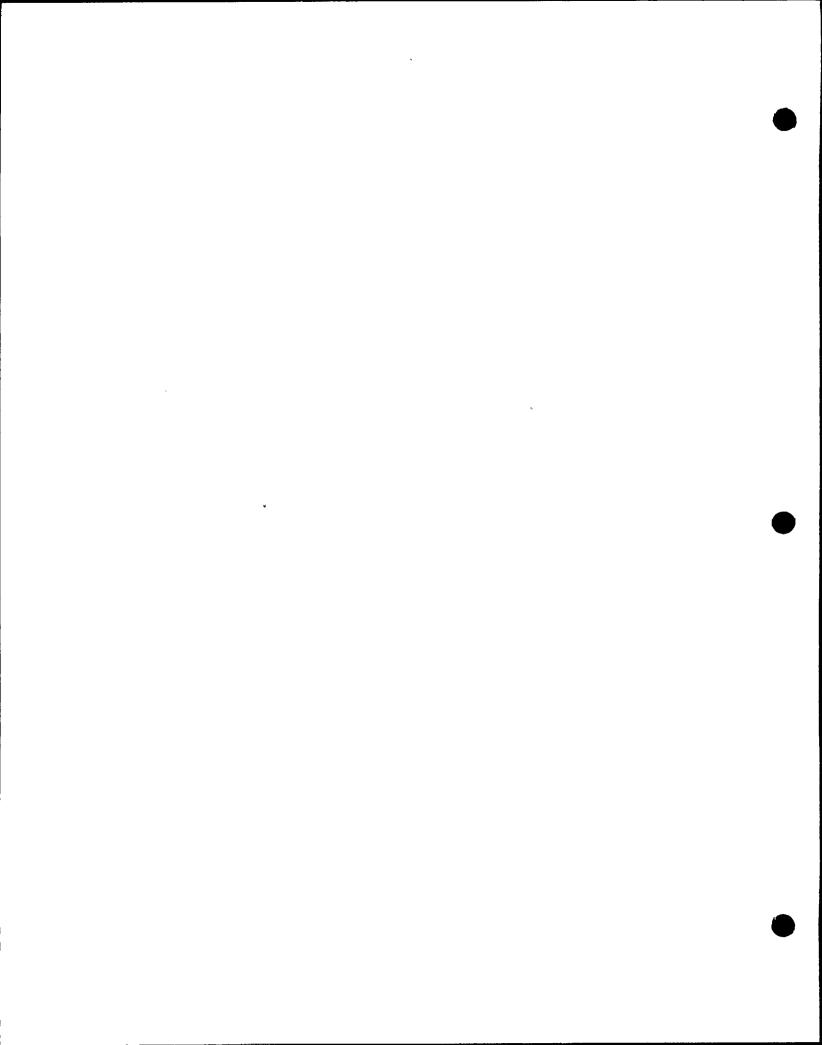
	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2		ITEM:	PIPING - SUPPORTS PAGE 26	(C-C)(C-E) (2.2) OF 30		
CATEGORY		OFNEDAL	NDE TOTAL		COND	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS		COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-E	PIPING SUPPORTS Cont'd						
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) <u>Multiple Stream</u> Cont'd	Line No. & ISI DWG. No.					
C3.40 C3.50 C3.60	Stm Gen Feed Wtr Supply Gen 2-1 (501023)	K16-554-16V Lead 1 [2.2-21]	MT 1 VT-3 6 (VT-4)	1/25/85 1/7/85			-
C3.40 C3.50 C3.60	Stm Gen Feed Wtr Supply Gen 2-2 (501023) (03-24)	K16-555-16V Lead 2 [2.2-22]	MT 1 VT-3 9 (VT-4)	1/25/85 1/7/85			
C3.40 C3.50 C3.60	Stm Gen Feed Wtr Supply Gen 2-3 (501023)	K16-557-16V Lead 3 [2.2-23]	MT 2 VT-3 9 (VT-4)	6/28/85 1/21/85			•
C3.40 C3.50 C3.60	Stm Gen Feed Wtr Supply Gen 2-4 (501023)	K16-556-16V Lead 4 [2.2-24]	MT 1 VT-3 8 (VT-4)	8/27/83 1/22/85			•



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

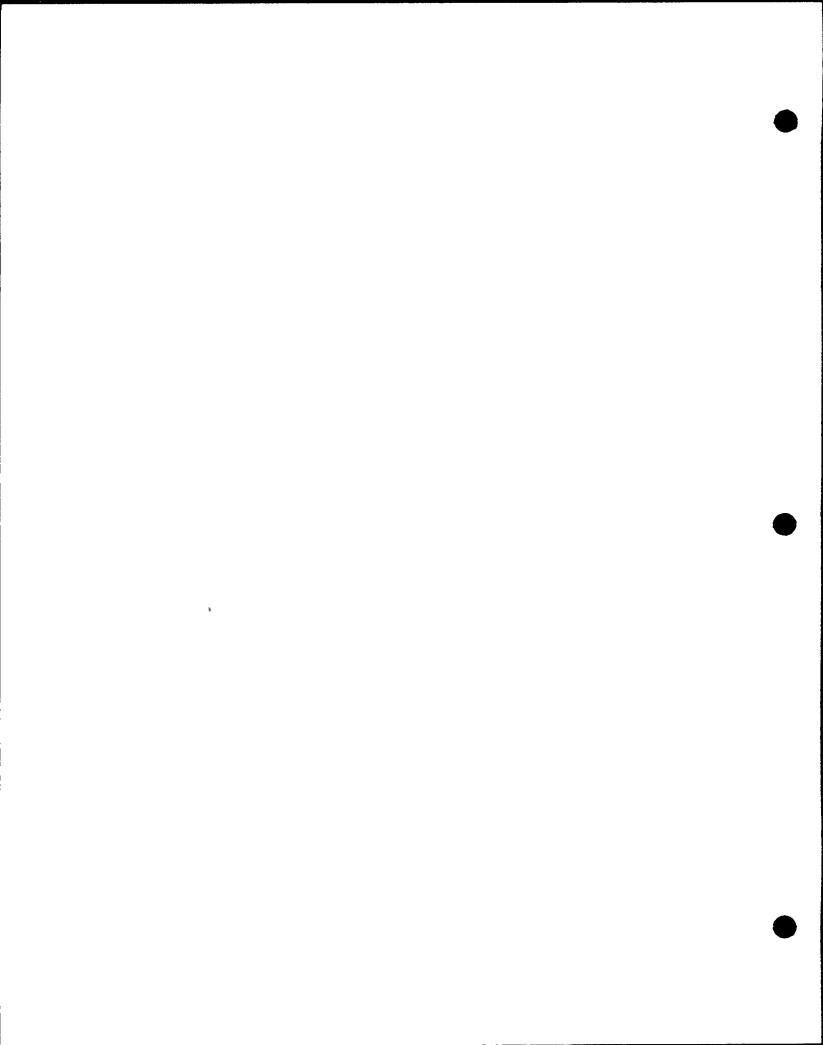


	PRESERVICE INSPECTION SUMMARY ASME SECTION XI SYSTEMS-CLASS 2  THEM: PIPING - SUPPORTS (C-C)(C-E) (2.2) PAGE 28 OF 30									
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS			
C-C ·	PIPING SUPPORTS Cont'd									
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Multiple Stream Cont'd	Line No. & ISI DWG. No.					•			
C3.50 C3.60	RHR Sup to Spray Hdrs 1 & 3 (10-17)	S1-279-8IIIP [2.2-29]	VT-3 12 (VT-4)	1/4/85						
C3.50 C3.60	RHR Sup to Spray Hdrs 2 & 4 (10-10,11)	S1-280-8IIIP [2.2-11]	VT-3 5 (VT-4)	1/14/85		· 	•			
C3.40 C3.50 C3.60	RHR Pp Inj Cold Leg Pp 2-1 (9-23) (9-24) (9-25) (10-16)	\$6-508-8111 [2.2-30] [2.2-31] [2.2-32]	PT 2 VT-3 26 (VT-4)	6/19/79 1/14/85						
C3.40 C3.50 C3.60	RHR Pp Inj Cold Leg Pp 2-2 (9-21) (10-2)	\$6-509-8111 [2.2-33]	PT 1 VT-3 9 (VT-4)	1/28/82 1/3/85			•			





	CE INSPECTION SUMMARY TION 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 TOTAL METH ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-C ·	PIPING SUPPORTS Cont'd						
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Multiple Stream Cont'd	Line No. & ISI DWG. No.					
C3.50 C3.60	RHR Pp 1-1 Inj Cold Leg Loop 1 (09-22)	\$6-3844-6111 [2.2-34]	VT-3 7 (VT-4)	4/3/85			
C3.50 C3.60	RHR Pp 1-1 Inj Cold Leg Loop 2 (09-22)	\$6-3845-6111 [2.2-34]	VT-3 7 (VT-4)	1/15/85			
C3.50 C3.60	RHR Pp 1-1 Inj Cold Leg Loop 3 (9-21,10-12)	\$6-3846-6111 [2.2-33]	VT-3 9 (VT-4)	1/10/85		<b></b>	1
C3.50 C3.60	RHR Pp 1-1 Inj Cold Leg Loop 4 (9-21,10-12)	S6-3847-6III [2.2-33]	VT-3 2 (VT-4)	1/19/85		ou oo ou	•

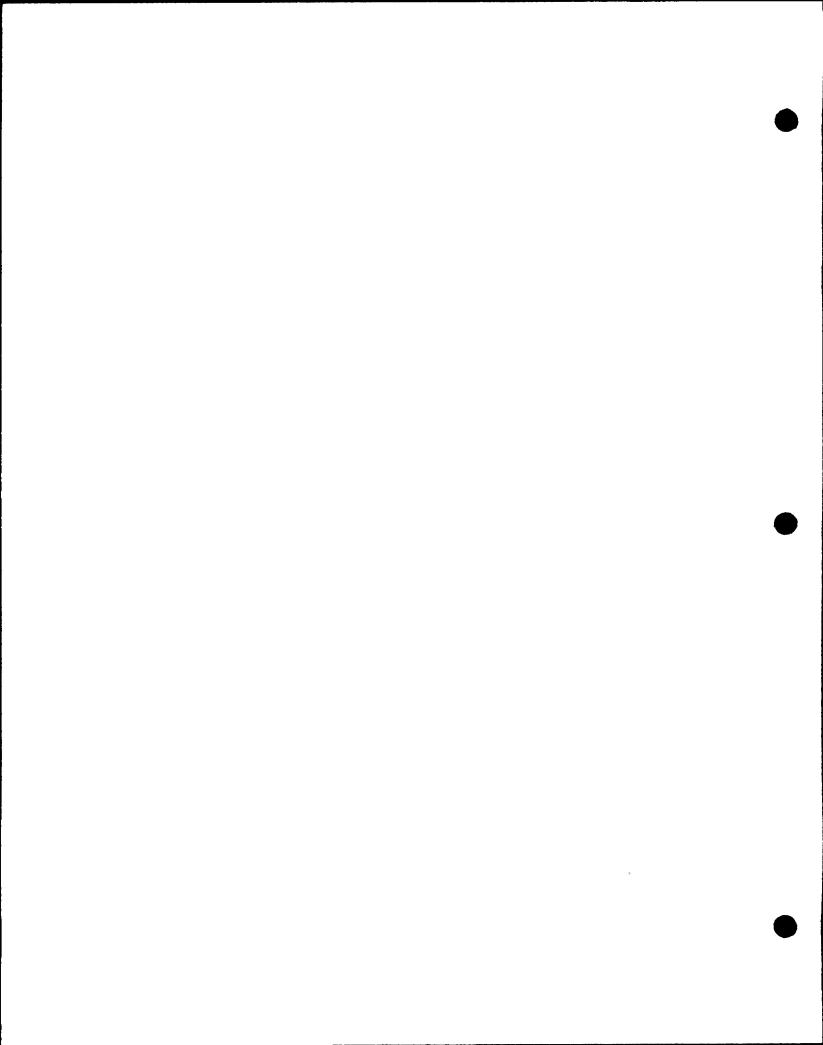




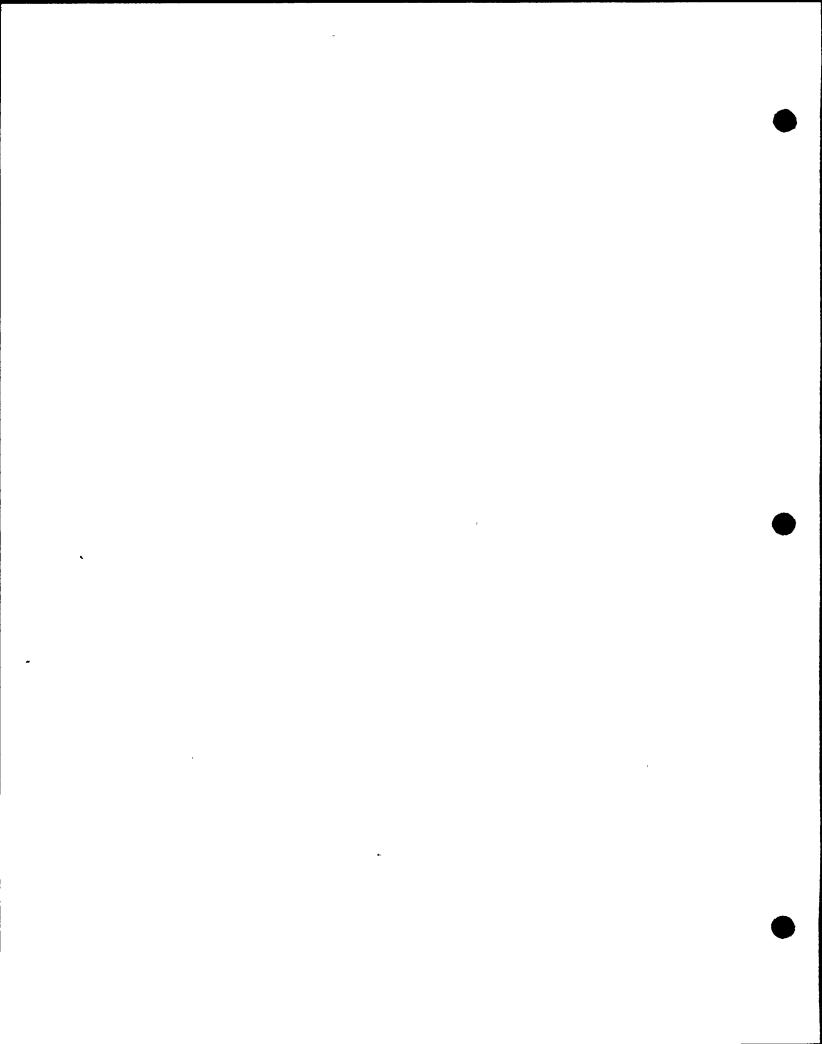
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	PRESERVICE INSPECTION SUMMARY  ASME SECTION XI SYSTEMS-CLASS 2  ITEM: PIPING - SUPPORTS (C-C)(C-E) (2.2)  PAGE 30 OF 30									
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS		
C-C C-E	PIPING SUPPORTS Cont'd									
C3.40 C3.50 C3.60	Support Attach't Support Component (C-F) Multiple Stream Cont'd	Line No. & ISI DWG. No.								
C3.50 C3.60	Safety Inj Pump Suction Pump 2-1 (9-2,6)	\$2-1982-6 [2.2-16]	VT-3 (VT-4)	-	1/3/85					
C3.50 C3.60	Safety Inj Pump Suction Pump 2-2 (9-1,5)	S2-1983-6 [2.2-12]	VT-3 (VT-4)		1/4/85					

END OF ITEM C3.40 AND C3.50



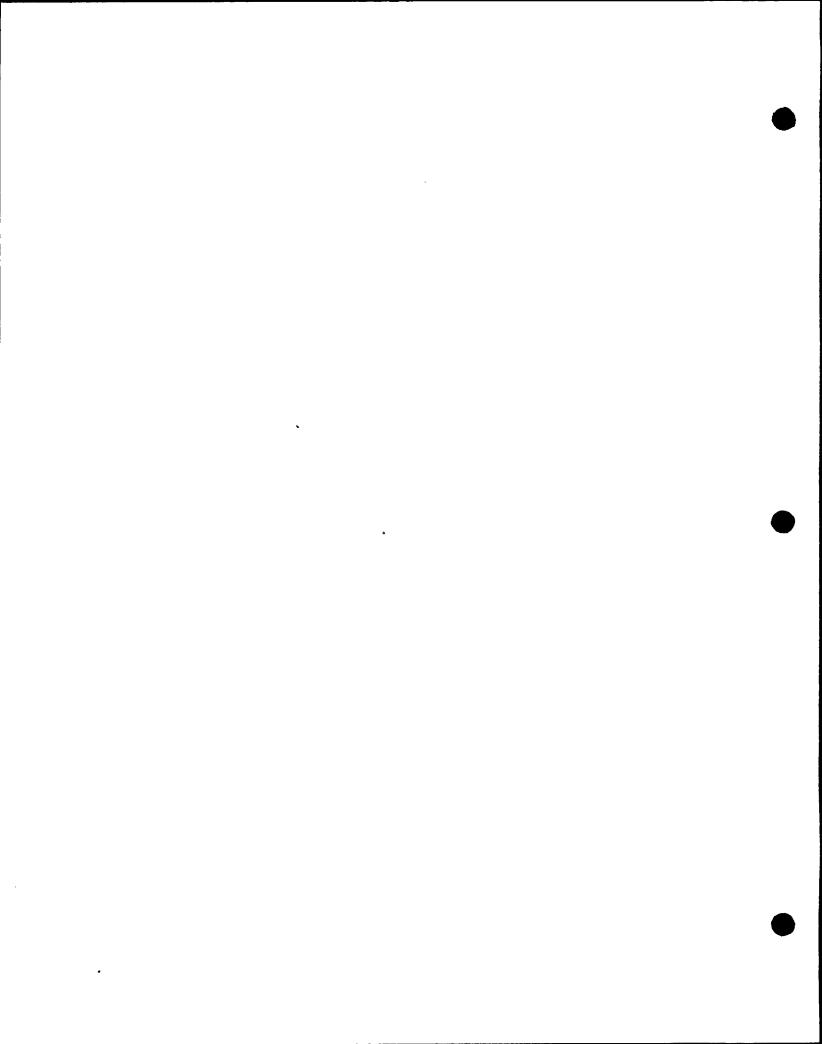
D.3. Pumps







	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2	ITEM: PUMPS (RHR PUMPS)(2.3)(C-C,D&G) PAGE: 1 OF 5						
CATEGORY	······································			<del></del>		<del> </del>	CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE Meth	TOTAL ITEMS	EXAM DATE	COND. NOTED	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							į
	Residual Heat	DWG. REF DC-663217-26						S/N 2-1 037049
C-G	Removal Pumps Pressure Retaining	[ 2.3-1]						S/N 2-2 A69-35 Items not Applicable
C6.10	Welds Pump Casing Welds	_				400 600 Gan		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						50 60 50	Item Not Applicable
••	Attachments (To Pressure Boundary)							1
C3.80	SUPPORT COMPONENTS							
Ada A	Support Components RHR Pump 2-1 RHR Pump 2-2	Support Plates Plate 2-1 Plate 2-2	VT-3 VT-3	1	2/1/85 2/1/85		. <del></del>	The RHR Pumps Are Resting On A Plate Imbedded In The Deck

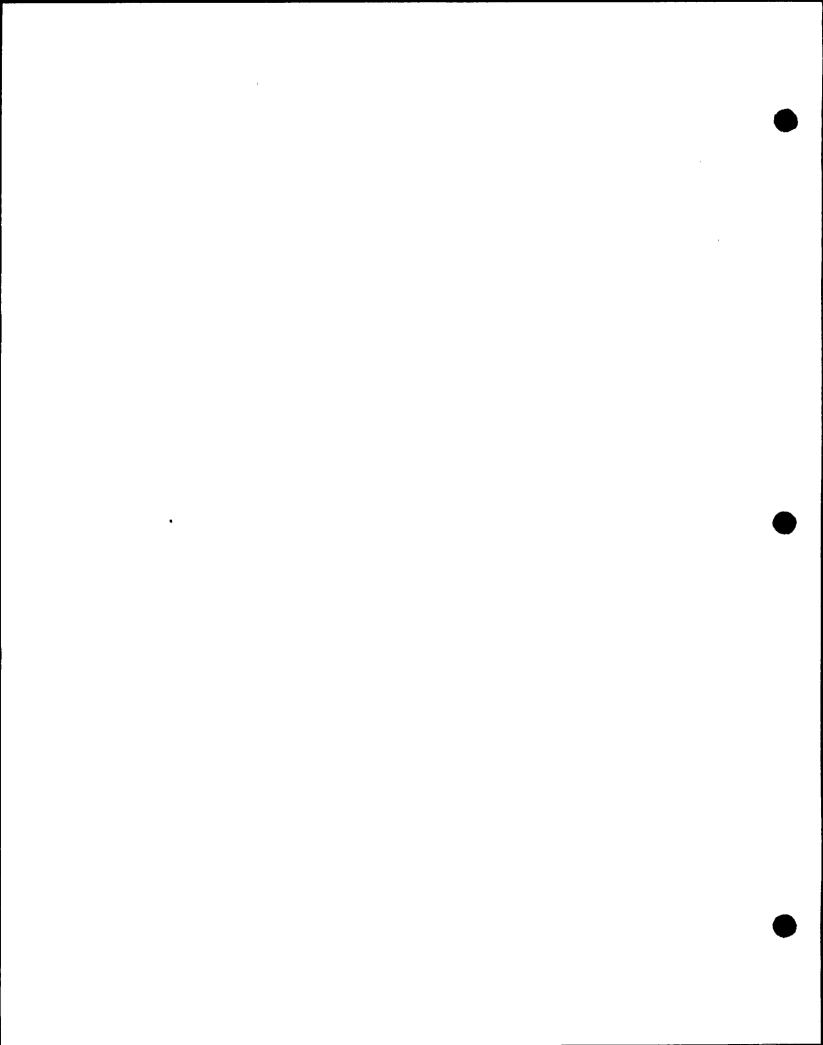








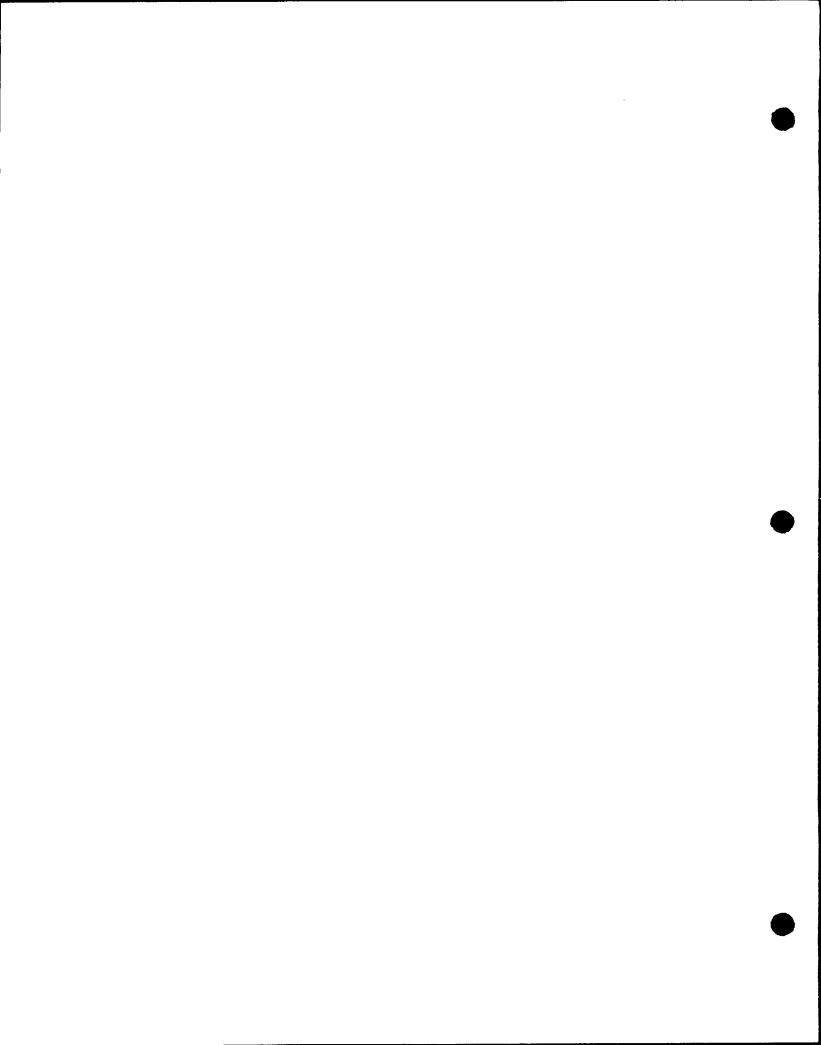
	CE INSPECTION SUMMARY CTION XI SYSTEMS-CLASS 2		ITEM: PUMPS (R PAGE: 2	HR & SI PUMPS)(2.3) OF 5 (C-C,D,E&G)				
CATEGORY		0545044					CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
	RHR PUMPS Cont'd							
C-E	Support Components Cont'd							
C3.90	Mechanical and . Hydraulic Snubbers							Item Not Applicable
C-G C6.10	Safety Injection Pumps Pressure Retaining Welds Pump Casing Welds	DWG. REF. [ 2.3-2 ]						(Ser. No. 45484)  Items Not Applicable
C-D	Pressure Retaining Bolting							i
C4.30	Bolting > 2" Dia.	Casing Polts	UT	8	5/20/85			
C-C	SI Pump 2-1  Integrally Welded Support Attachments (To Pressure Boundary)	Casing Bolts	UI	0	5/ 20/ 65			•
C3.70	Integrally welded supports							Items Not Applicable







	CE INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2						ITEM: PUMPS (PAGE: 3	SI & CC PUMPS)(2.3)(C-E&G) OF5
CATEGORY							CORRECTIVE	
ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	DATE	COND. NOTED	ACTION (IF REQUIRED)	REMARKS
C-E	S.I. PUMPS - Cont'd SUPPORT COMPONENTS	Support Base						
C3.80	Support Components SI Pump 2-1 SI Pump 2-2	Base 2-1 Base 2-2	VT-3 VT-3	1	6/7/85 6/7/85			The SI pumps are restin on concrete foundations
C3.90	Mechanical and Hydraulic Snubbers							Items Not Applicable
0.0	Centrifugal Charging Pumps	DWG. REF DC-663210-146						Dresser Pacific Pumps
C-G	Pressure Retaining Welds	[ 2.3-3 ]						ī
C6.10	Pump Casing Welds							1
	Cent'l Pmp 2-1 (Ser. No. 45611)	Branch Weld to Upper Case	*RT	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	Machined Weld Item - 17	*RT	1	12/4/70			*Volumetric examination required by Code at the time of fabricatio and examination

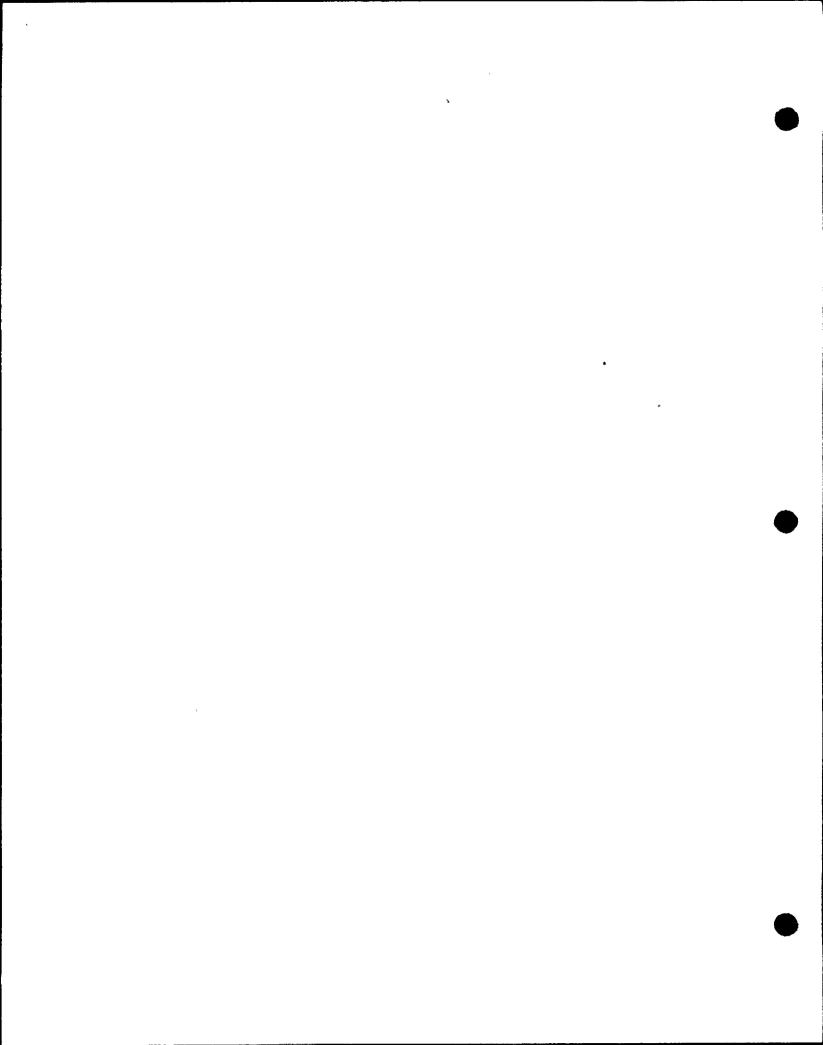








	E INSPECTION SUMMARY TION XI SYSTEMS-CLASS 2						ITEM: PUMPS (S	SI & CC PUMPS)(2.3) OF 5 (C-C.D&E)
CATEGORY	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
C-D	CENT. CHARG. PUMP - Co	ont'd						
C4.30	Pressure Retaining Bolting Bolting Larger than 2 Inch Dia.	[2.2-3]						Items Not Applicable
C-C C3.70	Integrally Welded Support Attachments (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	SUPPORT COMPONENTS							ŧ
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			ovidi e de Tourida o Torio
C3.90	Mechanical and Hydraulic Snubbers		um des Anh			w as as		Items Not Applicable



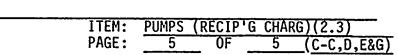


PRESERVICE INSPECTION SUMMARY

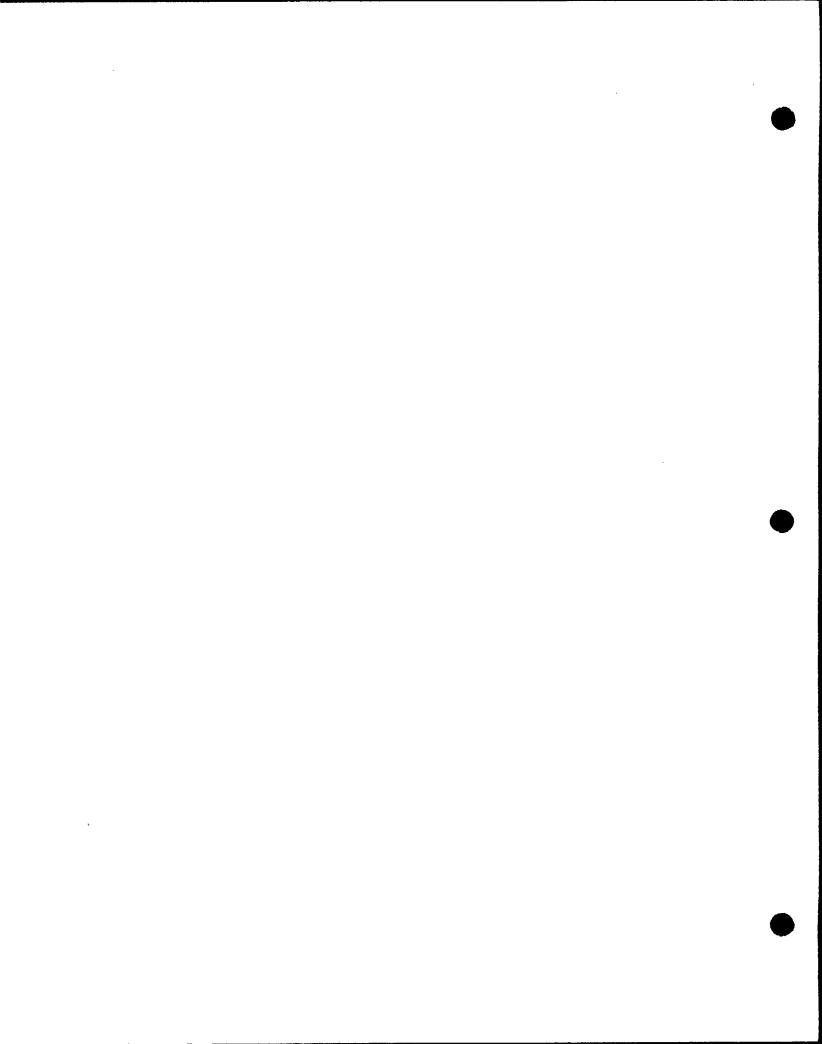
ASME SECTION XI SYSTEMS-CLASS 2



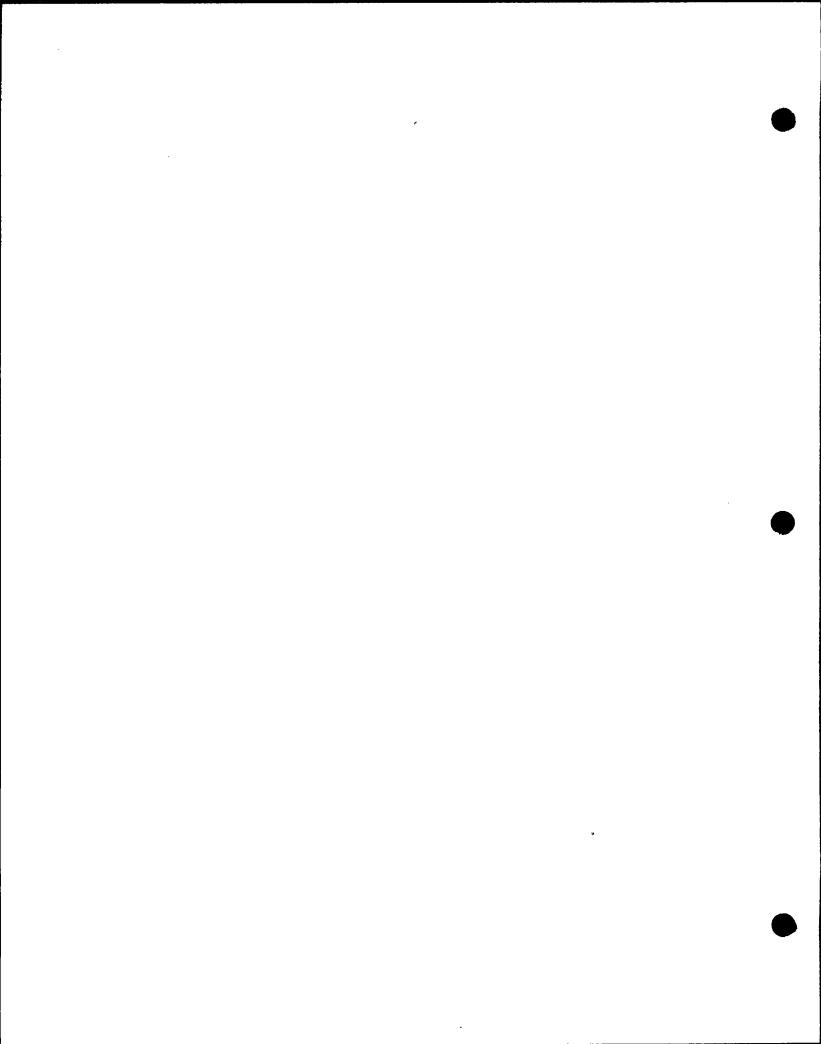




*******			7 (C-C,D,EaG)					
CATEGORY	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS		COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
•	Reciprocating Charging Pump	DWG. REF DC-663210-143 [ 2.3-4 ]						Union Pump (Ser. No. 274174)
C-G	Pressure Retaining							
C6.10	Welds Pump Casing Welds						~ ~ ~	Items Not Applicable
C-D	Pressure Retaining		t.e					
C4.30	Bolting Bolting Larger than 2" Dia.							Items Not Applicable
C-C	Integrally Welded Support Attachments (To Pressure Boundary)							
C3.70	Integrally Welded Supports				00 de 00			Items Not Applicable
C-E	SUPPORT COMPONENTS							•
C3.80	Support Components Recipr'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

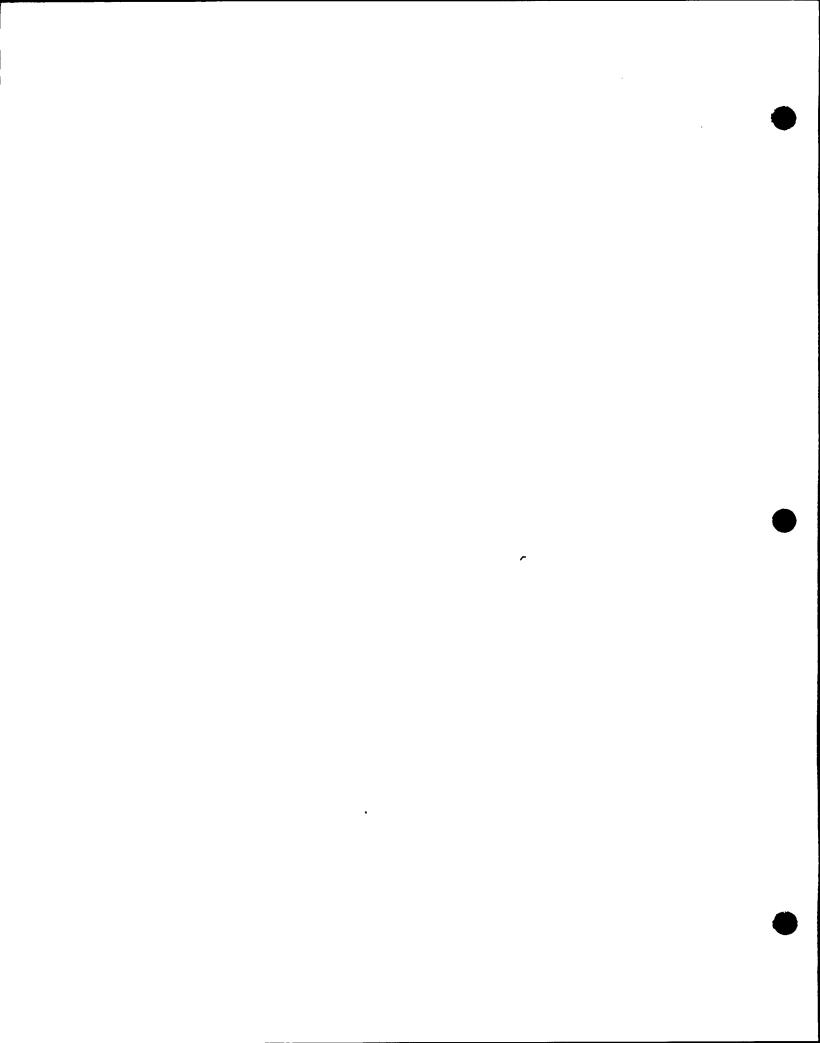




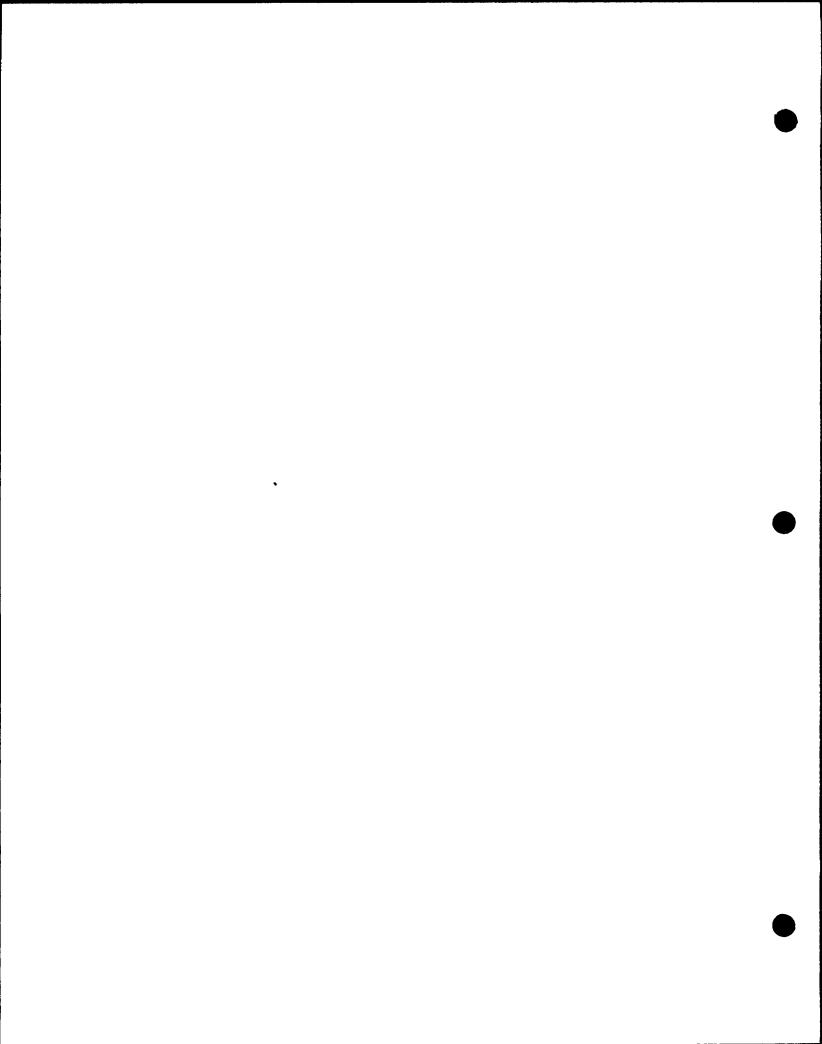




	CE INSPECTION SUMMARY FION XI SYSTEMS-CLASS 2	ITEM: <u>VALVES (C-C,D,E&amp;G) (2.4)</u> PAGE: <u>1</u> OF <u>1</u>						
CATEGORY ITEM	COMPONENT OR SYSTEM	GENERAL IDENTIFICATION	NDE METH	TOTAL ITEMS	EXAM DATE	COND. NOTED	CORRECTIVE ACTION (IF REQUIRED)	REMARKS
,	Table IWC-2500-1 Sub Item Out of Sequence Intentionally							
C-G C6.20	Pressure Retaining Welds Valve Body Welds							Items Not Applicable
C-D	Pressure Retaining Bolting							
C4.40	Bolting Larger than 2-Inch Dia.							Items Not Applicable
C-C	Integrally Welded Support Attachments (To Pressure Boundary)							1
C3.100	Integrally Welded Supports					es en en		C3.100,C3.110 and
C-E C3.110	Support Components Component Supports			1				C3.120 Code Items are Summarized under Table 2.2 and
65.110	component Supports							included with their respective Piping Systems under Code C3.40,C3.50, & C3.60.
C3.120	Support Components Mechanical and Hydraulic Snubbers			~ ~ ~				Items Not Available



E. RELIEF FROM CODE REQUIREMENTS



# PACIFIC GAS AND ELECTRIC COMPANY

DOGEE +

77 BEALE STREET . SAN FRANCISCO, CALIFORNIA 94106 . (415) 781-4211

JOHN C. MORRISSEY

MALCOLM H. FURBUSH

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HENRY J. LAPLANTE
RICHARD A. CLARKE
JOHN B. GIBSON
MINISTRILLEUMIL

October 10, 1977

| Site | State 
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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.

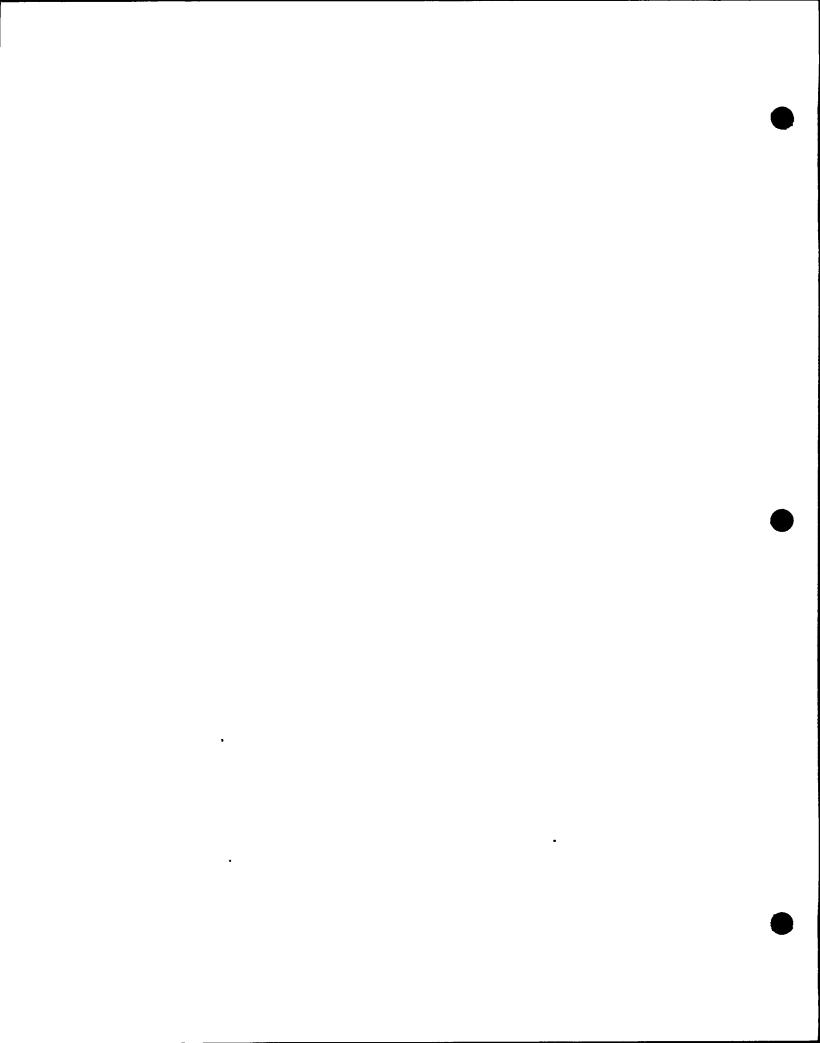
bcc w/enc.: CPUC Applications 49051 and 50028

bbcc w/enc.: Diablo Distribution

PAC/lb

cc: Service List

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# 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:

- New findings of impractical examinations are made during future plant experience.
- 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.

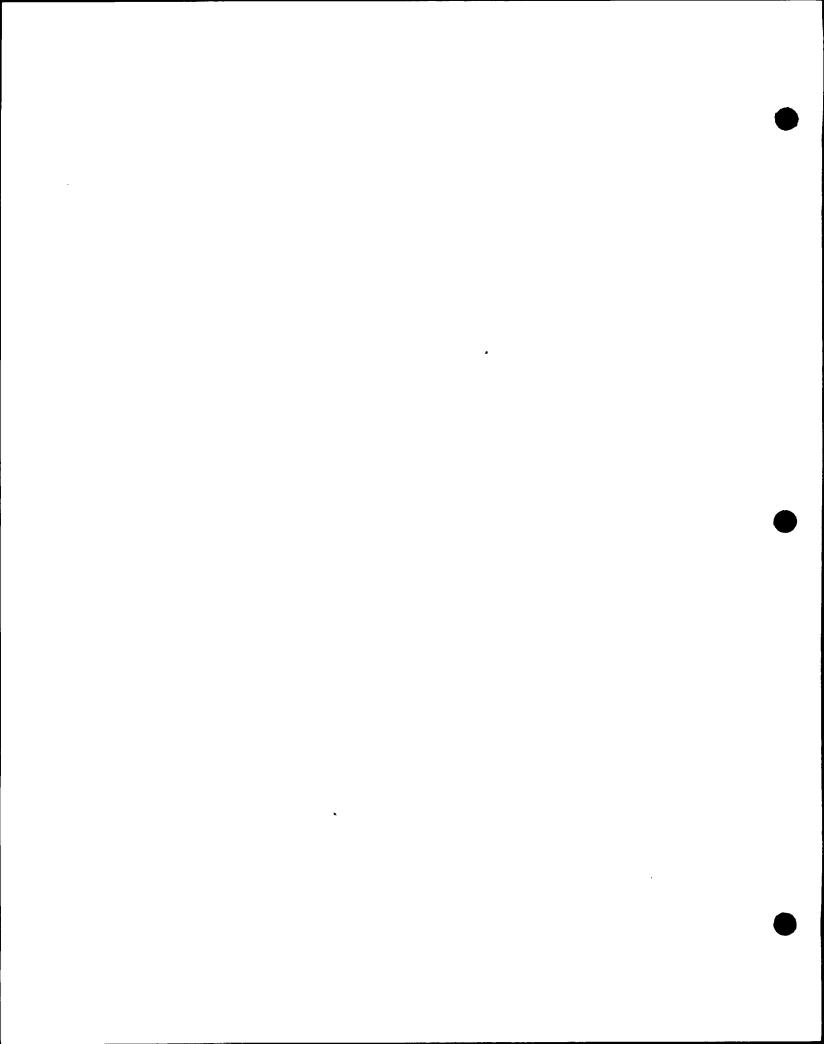
#### **PROCEDURE**

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.
- 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 <u>o</u>	DATE	8/26/77
APPROVAL PL	ANT SUPERINGENDENT DATE	•	•



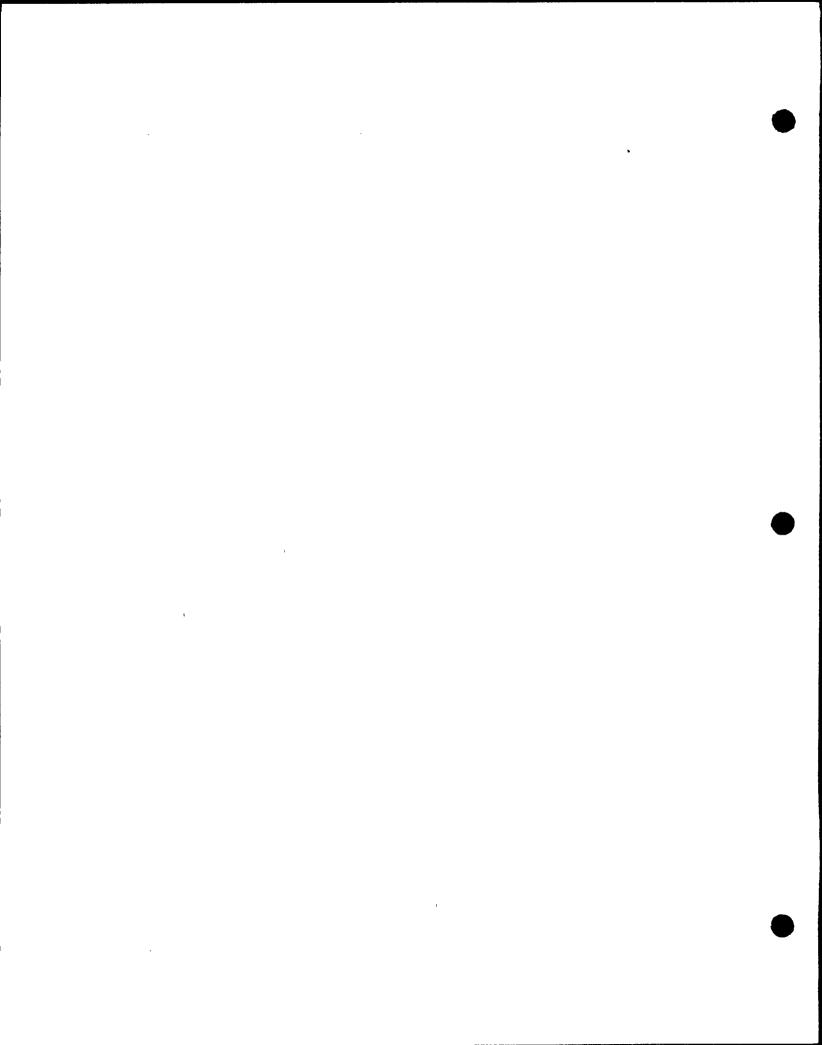
TITLE: I.S.I. PROGRAM EXCEPTION LIST (REQUEST FOR RELIEF FROM CODE REQUIREMENTS)

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

PAGE 2 OF 5

REVISION \_\_\_O

DATE 8/26/77

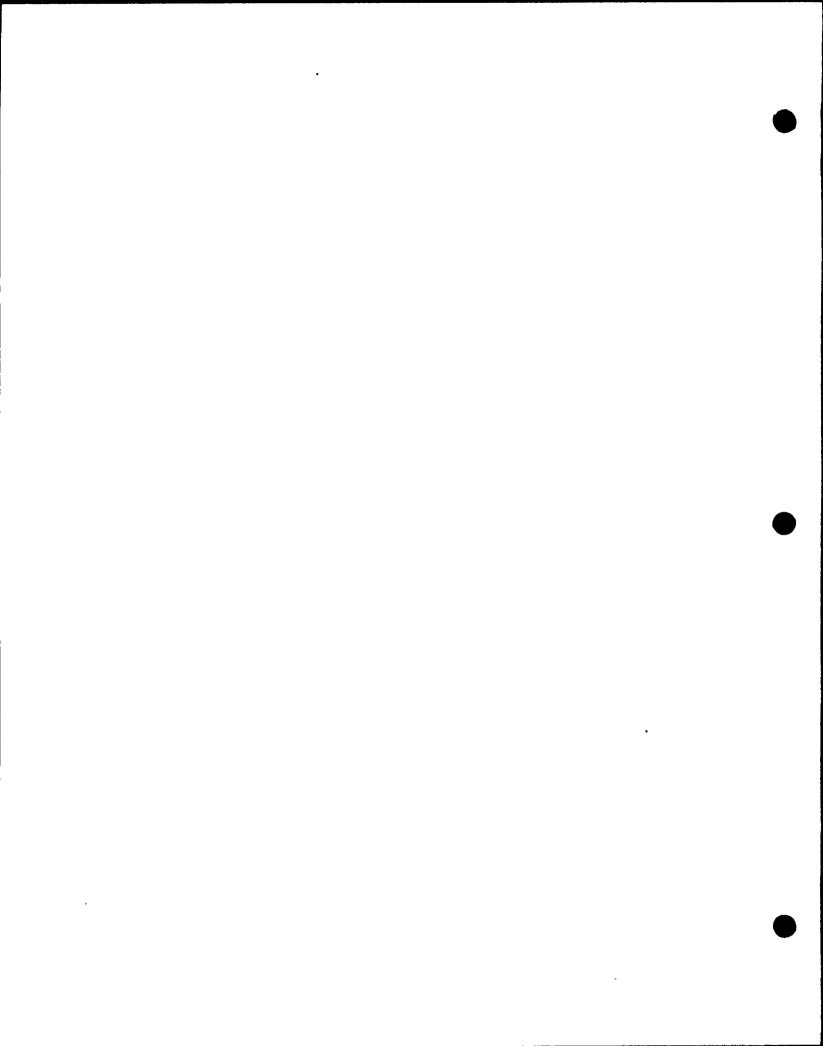


TITLE: I.S.I. PROGRAM EXCEPTION LIST (REGUEST FOR RELIEF FROM CODE REQUIREMENTS)

#### ATTACHMENT TO M-105

	COMPONENT PART	ITEM NO.	CATEGORY	- CODE CLASS	REO'D INSP.	a) BASIS FOR EXEMPTION b) IN LIEU TESTING c) SCHEDULE
7.	Reactor Vessel Bottom head meridional and circumferential seam welds (all) and closure head meridional and circumferential seam welds above cooling shroud.	B1.2	B-B	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	7	Vol.	a) Examination impractical.
					, ,	b) Visual/Hydro c) Once per interval.
· 			. <u></u> ,.			Also visual leak test after each refueling.
<b>3.</b>	Integrally welded pipe supports	B4.9	B-K-1	1	Yo1.	a) Volumetric not prac- tical on fillet welds b) Surface c) Once per interval.
4.7.	Circumferential pipe welds at pipe to fittings and pipe to valves.	B.4.5 B.4.1	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.
5.	Branch pipe connecting pipe to fitting and valve welds.	B4.6	B-J	1	Vo1'.	a) Some welds have acces impaired by supports and restraints.
6.	Pipe.welds with restricted access.	84.5 84.6	B-J	1	Yo1.	a) Some welds have acces impaired by supports
7.	Pipe Welds with restricted access.	B4.7 B4.8	B-J	. 1	Surface	and restraints.  b) Examination of acces- sible areas. c) Once per interval.
8.	SIS Pumps	N/A	n/A	2	IWC-5000 Hydro	Da) Pump seals will not permit hydro. b) Visual during operation (IWA-5240) c) Once per each 1/3 of the 10 yr. interval.
	*				}	

PAGE 3 OF 5 REVISION 0 BATE 8/26/77

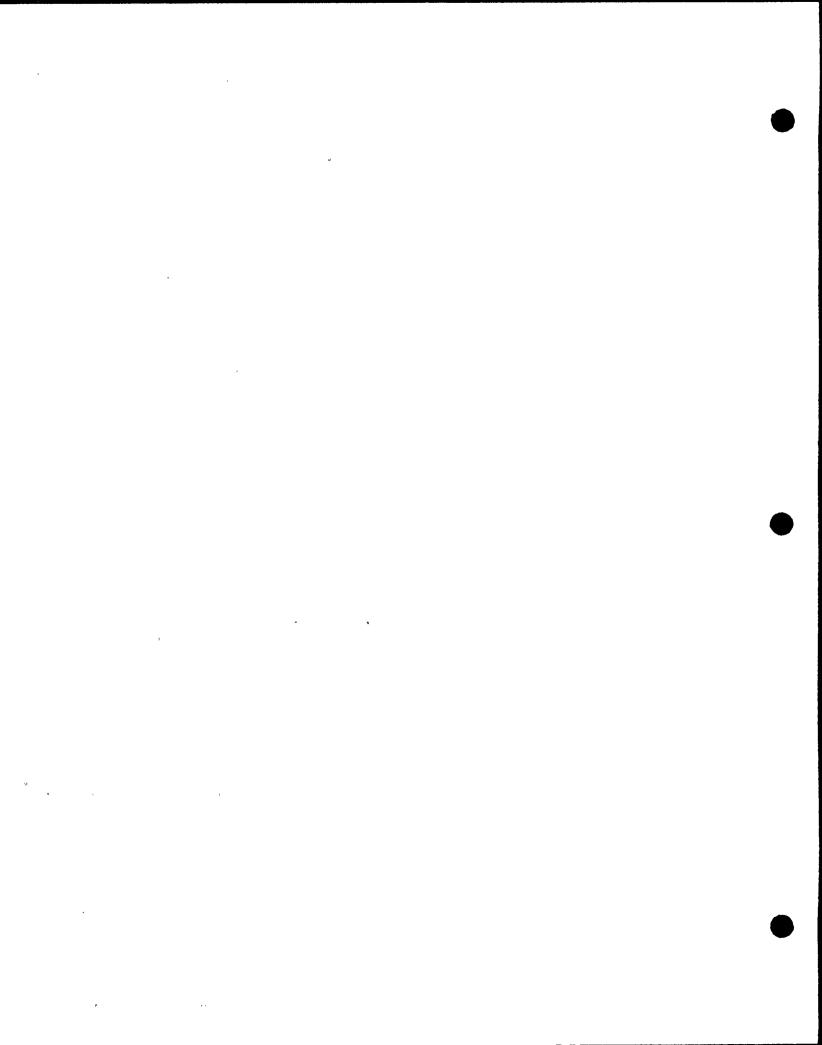


TITLE: I.S.I. PROGRAM EXCEPTION LIST (REQUEST FOR RELIEF FROM CODE REQUIREMENTS)

#### ATTACHMENT TO M-105

<del></del>					- manage
COMPONENT PART	ITEM MO.	CATEGORY	CLASS	REQ'Ö IKSP.	a) SASIS 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 configura- tion 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.	<ul> <li>a) Accessibility prevents required inspection pattern.</li> <li>b) Special locations.</li> <li>c) Once per interval.</li> </ul>
<pre>11. Piping circumferen-     tial butt welds with     restricted access.</pre>	C2.1	Ç-G	. 2	Vol.	a) Access to some welds is limited or pre- vented by supports, restraints and pene- tration sleeves. b) Visual/Hydro c) Once per interval.
12. Boric Acid transfer piping between stor- age tanks and pumps	•••	IND 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.

PAGE 4 OF 5 REVISION 0 DATE 8/26/77



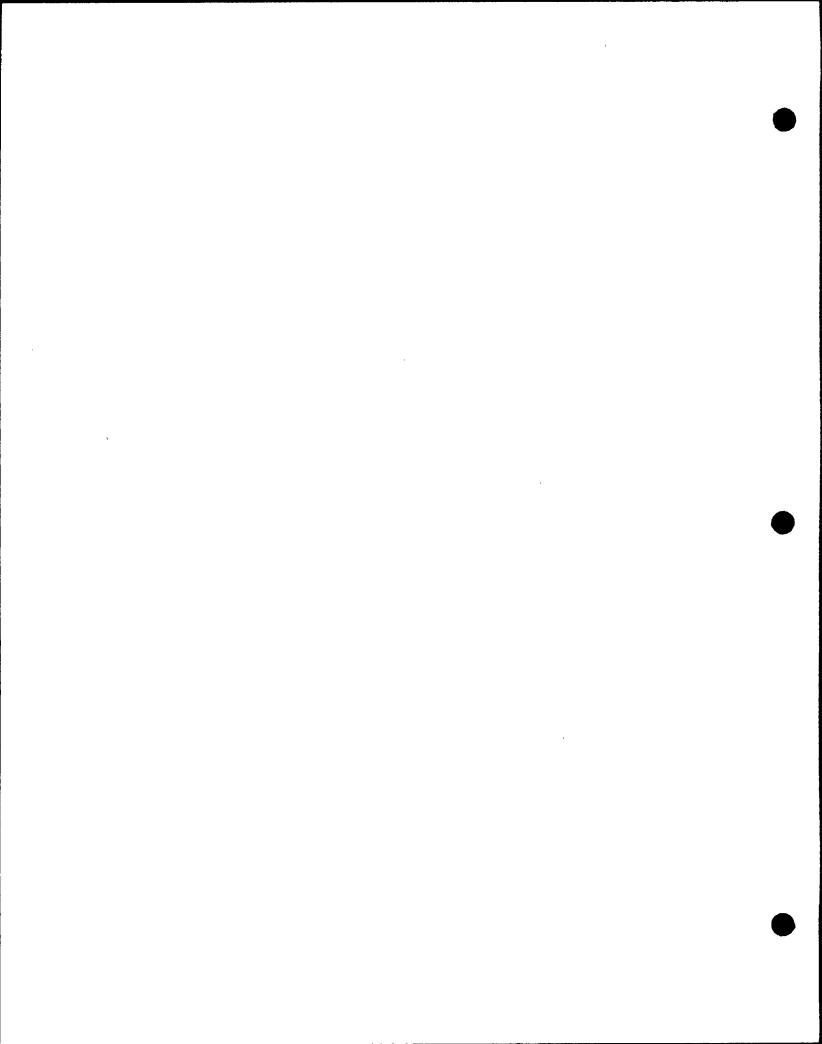
#### ATTACHMENT TO M-105

		TTCM		CODE	REQ'D	a) BASIS FOR EXEMPTION
	COMPONENT PART	.ITEM NO.	CATEGORY	CLASS		
14.	Makeup Water System	·	IWD 5000	3`	Hydro	<ul> <li>a) Impractical to hydro system.</li> <li>b) Visual leak test during system operation. (IWA-5240)</li> <li>c) Once per each 1/3 or the 10 year interval.</li> </ul>
15.	Spent Fuel Pit Pump and piping	<b></b>	IWD 5000	3	Hydro	<ul> <li>a) Hydro impractical due to system design.</li> <li>b) Visual leak test.</li> <li>c) Once per year 1/3 of the 10 year interval.</li> </ul>
16.	Reactor Vessel Head Cladding	B1.13	B-L-1	1	& Sur- face	<ul><li>a) Surface examination not practical.</li><li>b) Visual.</li><li>c) Once each interval.</li></ul>
	Reactor Vessel Closur Studs and Nuts when Removed	B1.8	B-G-1	1	Vol. & Surf.	<ul> <li>a) Cleaning of threads for surface examination can damage the bolting.</li> <li>b) Volumetric.</li> <li>c) Once each interval.</li> </ul>
18.	Pressurizer Nozzle - to - Vessel inside Radiused Section	B2.2	B-D	1	Vol.	<ul><li>a) Technique not developed for examination.</li><li>b) Hydro/Visual.</li><li>c) Once each interval.</li></ul>
19.	Steam Generator Primary side Nozzle to Vessel inside Radiused Section	B3.2	B-D .	1	Vol .	<ul><li>a) Technique not developed for examination.</li><li>b) Hydro/Visual.</li><li>c) Once each interval.</li></ul>
20.	Seal Water Injection Filters	A11	,	2	Vol. & Surf.	<ul> <li>a) Plant design and high radiation will restrict access to these filters.</li> <li>b) Visual.</li> <li>c) Once each interval.</li> </ul>
						•
						•

PAGE 5

REVISION 0

8/26/77 DATE



# 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

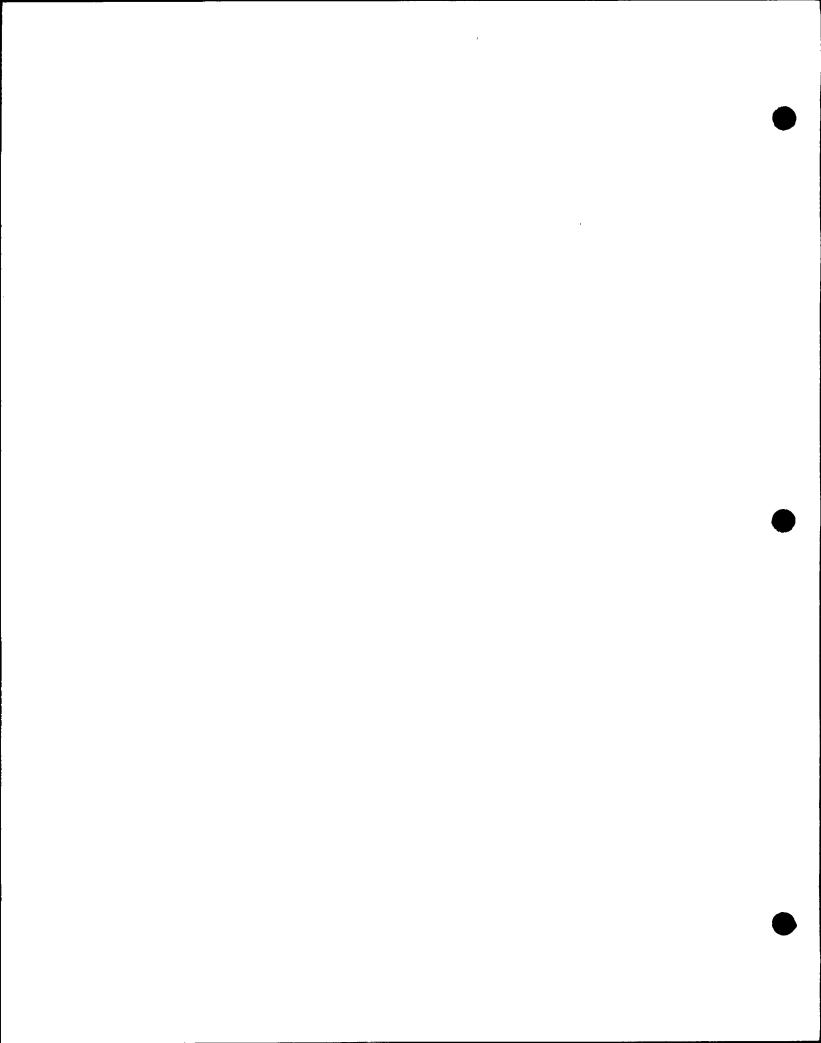
Supplement No. 13

## - U.S. Nuclear Regulatory Commission

Office of Nuclear Reactor Regulation

APRIL 1981



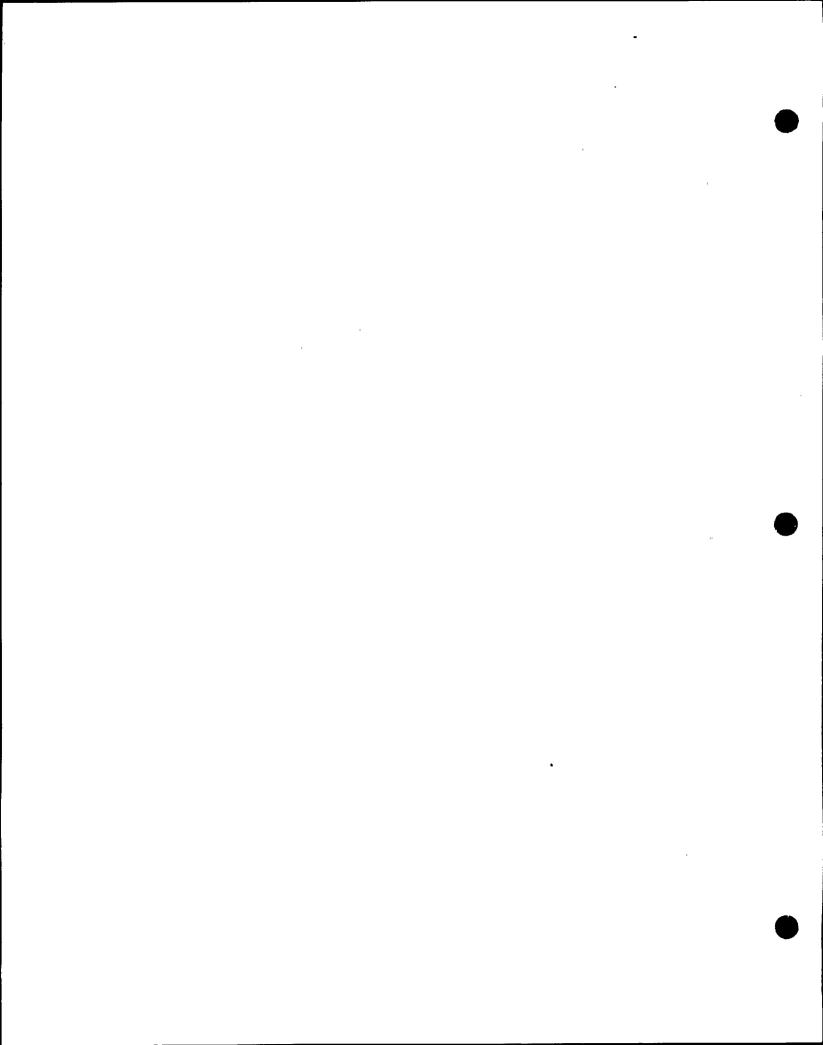


#### 3. Inspection and Testing Requirements for Units 1 and 2

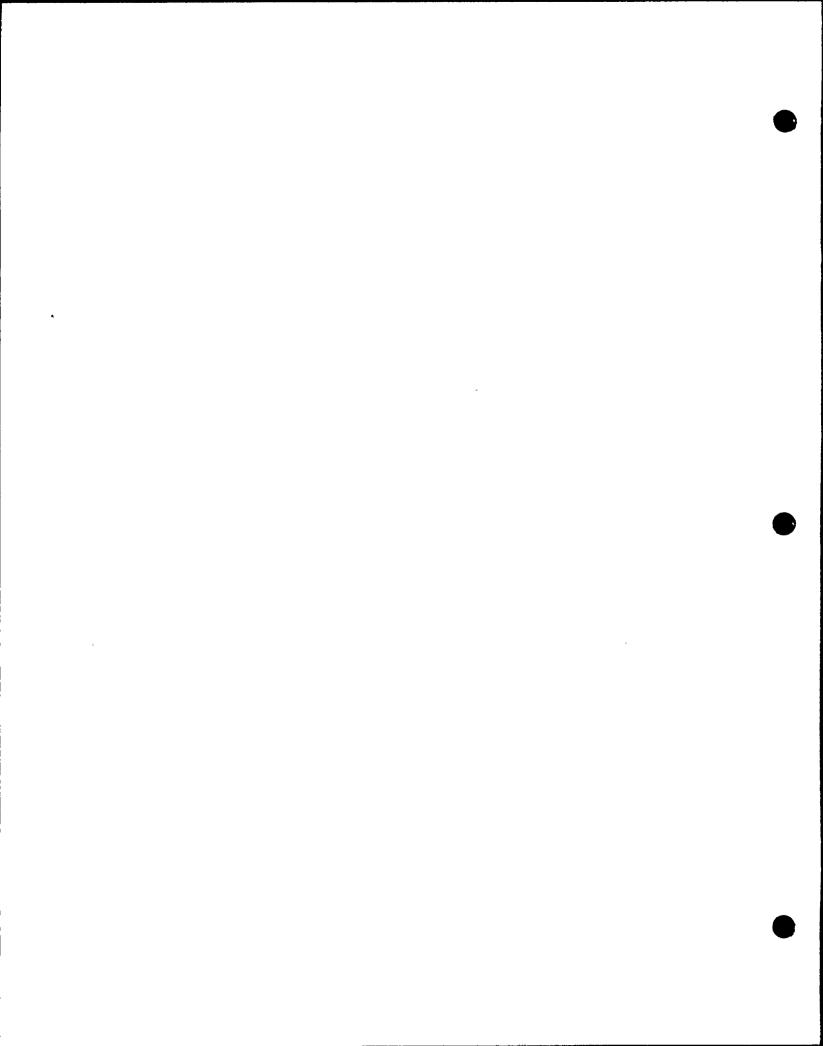
#### (a) Preservice Inspection Program for Units 1 and 2

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

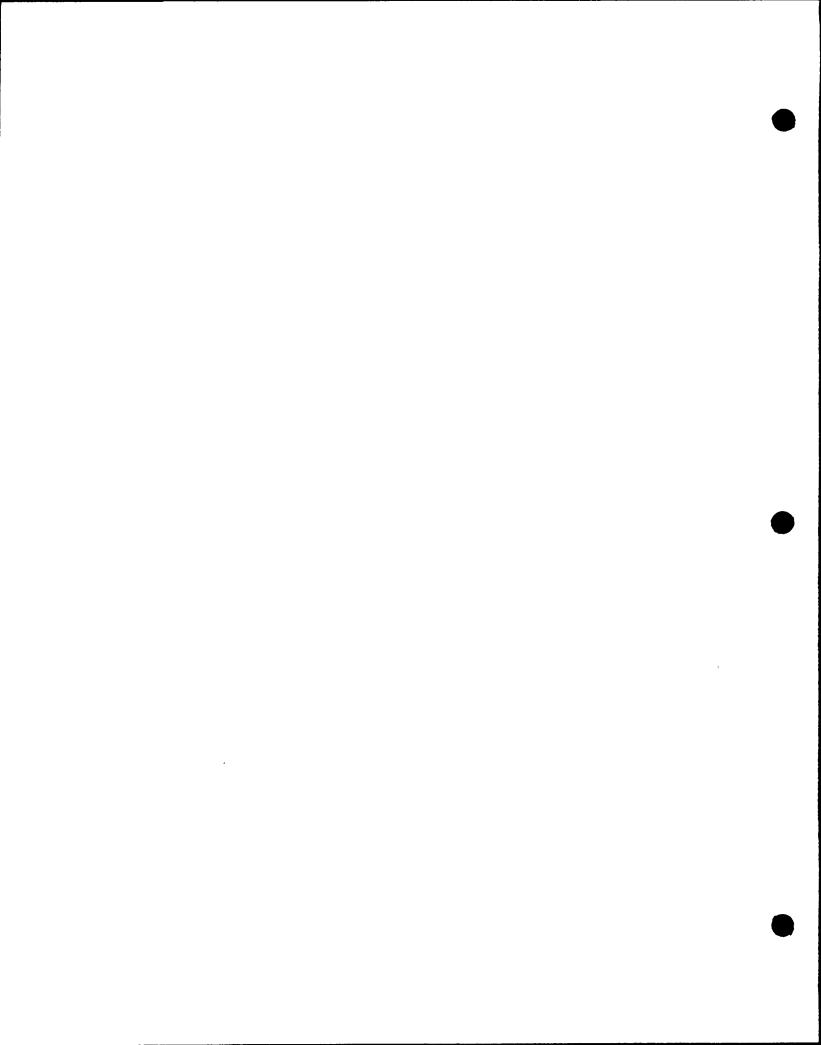
This section contains the completed ASME data report forms (NIS-2), for those repairs and replacements to the Class 1 and 2 components (and their supports) made under the rules of ASME Code Section XI.

All other work is documented in accordance with applicable construction codes, except the following items which have specific Section XI Repair/Replacement Plans:

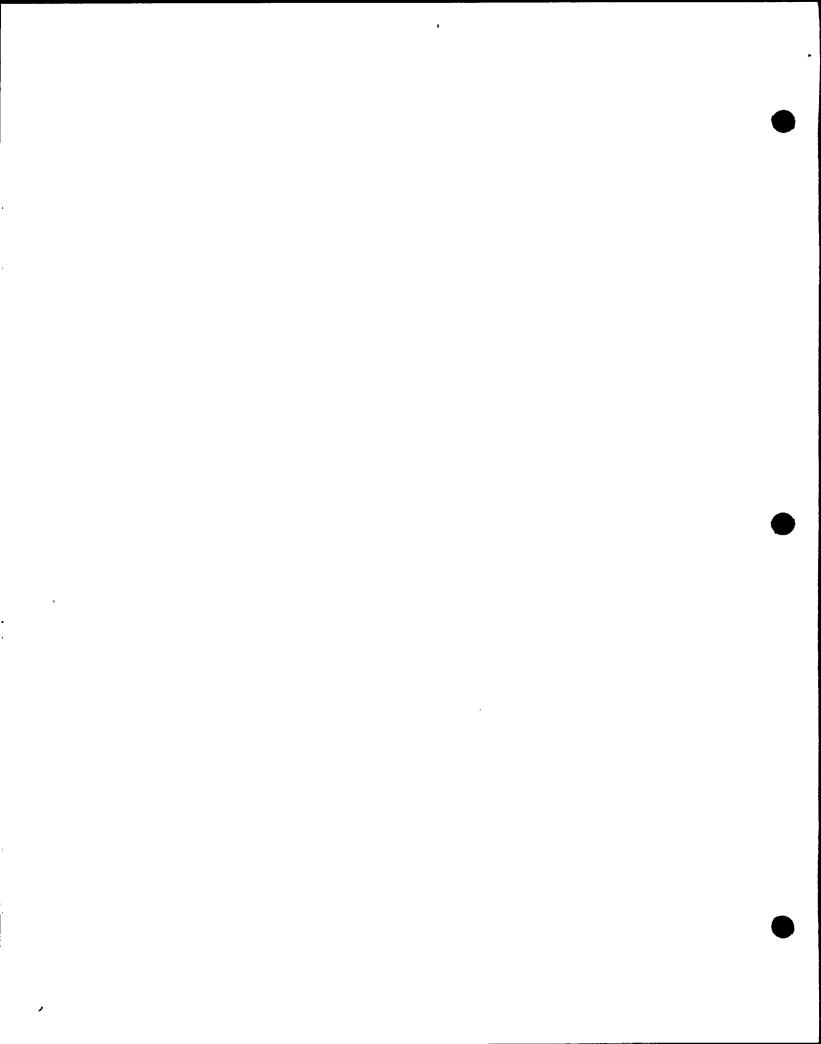
- 1. Regenerative Heat Exchanger Support Seismic Modification (July 18, 1978)
- 2. General Program for Arc Strike Removal (October 16, 1978).
- 3. General Program for Stanchion Weld Repair (October 25, 1978).
- Reactor Coolant Loop Piping Surface Examination Indication
  Removal Program (July 16, 1979).
- 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.



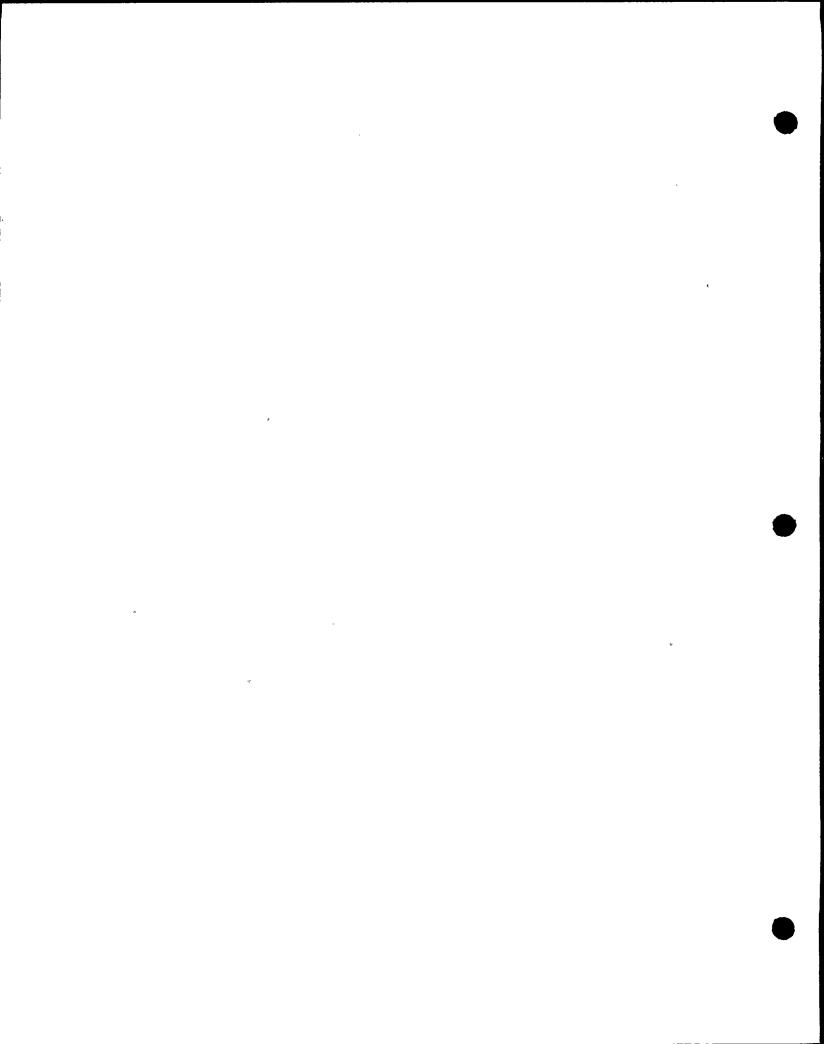
F.1. ASME Code Data Reports NIS-2



Date June 2 , 1986
Sheet 1 of 1
Plan No. Appears in RPMM NO. Col
on P.O No., Job No., etc.
Addenda, Code Cases N/A 7, S178 Addenda, Code Cases N/A
Repaired, ASME Code Replaced, Stamped or (Yes or No) Replacement
n. Repaired Yes ASME III
n. Repaired Yes ASME III
re Other D
conforms to Section XI of the
is Report on
in constructed in accordance with Section XI of
on constructed in accordance with Section XI of the same warranty, expressed or implied, concerning from his employer shall be liable in any manner.
es any warranty, expressed or implied, concern-

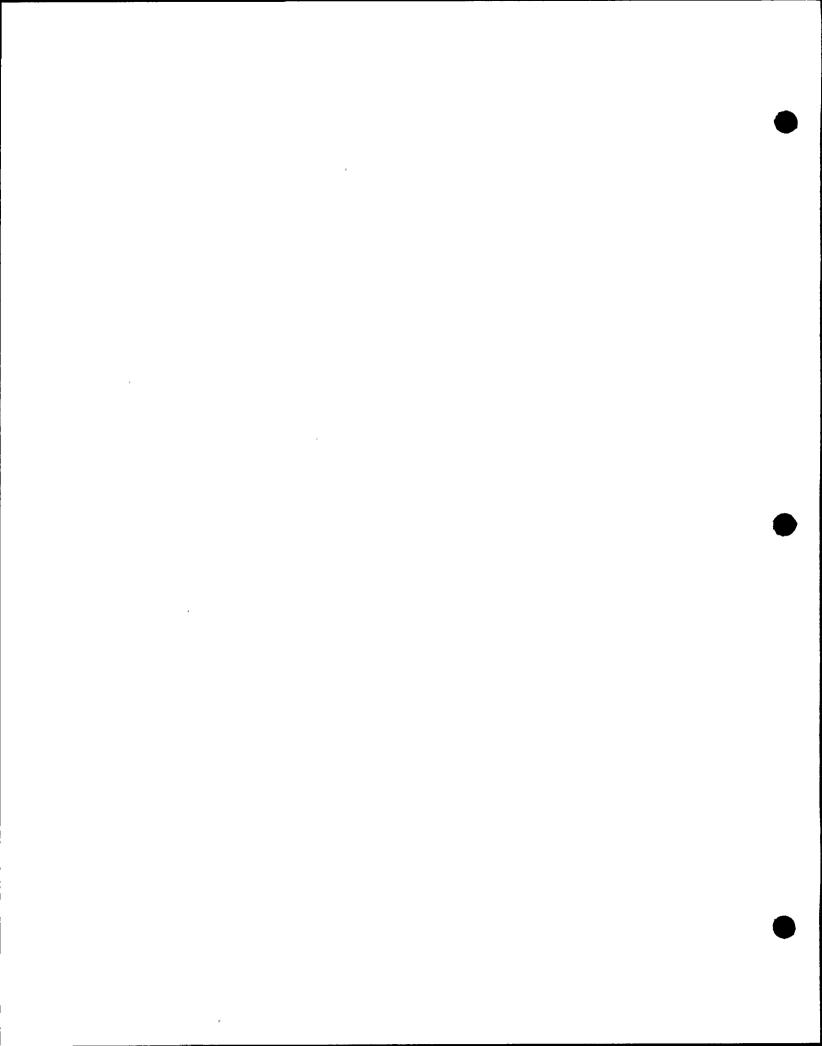
Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in.,

1) 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.



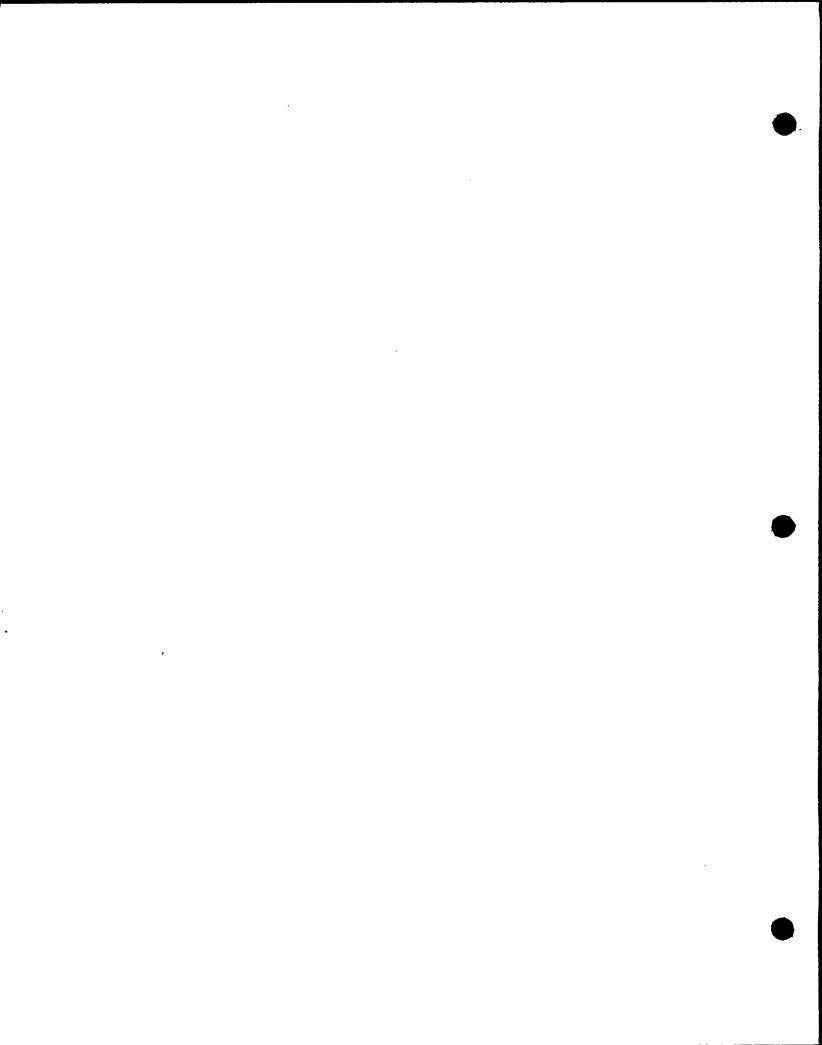
) 1.	Owner		Gas & Ele		- 7 - 144-141-14		De	June 2 ,	1986		
		77 Beal	e St. San <sup>r</sup>	Franci	sco, CA	94106	She	1		1	
2.	Plant	DIABLO	CANYUN	CO (BOLL)		Unit # 2					
	<u>P.O.</u> E	Box 56, Av	ila Beach,	CA 9	3424						
3.	Work Per	formed by 0	(Accress)			Repa	ir Plan	No. Appears	In RP	MM No.	Col.
			(Na	mei		Repair	Organization F	CO No., Job No., etc.		•	
4.	Identifica	ntion of System	Feedwater	System	(03)	Class 2)	)				
5.	(a) Appl	icable Construc	tion Code Se	e Below	1 <sub>19</sub> Code S	tangara	Column	Addende, Co	ode Cases .	N/A	
6.	(b) Appl	icable Edition ( Ition of Compo	of Section XI U: nents Repaired	tilized for i or Replace	Repairs or R ed. and Repla	episcements cament Com	- 19 <u>//</u> ,⊇	Addende, Co 178 Addende,	Code Case	. IY/A	
	Name of omponent	Name of Mfr.	Mfrs. Ser. No.	Nat'l, Bd. No.	RPMM No.	Other Identification Line#	Year Built	Repaired, Replaced, or Replacement	A	SME Cod Stamped (es or No	•
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				CERT	IFICATE C	E COMPLI	ANCE				
 We	certify that	the statements	made in this re				acement	. conf	orms to Se	ction XI	of the
	ME Code.	00/	26				ORIL OL LEGITOR	menti			,
Sig	ned/)<	(Owner or Owner	Ta Day Comi	PLANT	MANAGER	6	2/8	. 19 <u>Ε</u>	5		
	R. C. T	HORNBERRY	p.			, to					
1				CERT	TFICATE (	OF INSPEC	TION				ĺ
1, 1	the undersig	ned, holding a	valid commiss	ion issued	by the Nat	ional Board	of Boiler a	nd Pressure Vessel	Inspectors	and the	State
	_	Califor	<u>rnia</u>	, emplo	yed by	ISB I & I	co.				of
_	<u> Hartfor</u>	d, CT he	we inspected the	Repl	acement	describ	ed in this R	eport on	6/3	, 1	g 86
ing	the repail (	te. By signing or replacement	this certificate, described in this	neither the Report, F	e Inspector n Furthermore.	or his emplo neither the l	yer makes a Inspector no	onstructed in according warranty, expre or his employer sha	ssed or im:	olied, con	CETO-
107	LB/RL	RA	perty demage of	a loss of a	iny kind arisi		C A	ith this inspection.  1419. NB 86	94		
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% 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.



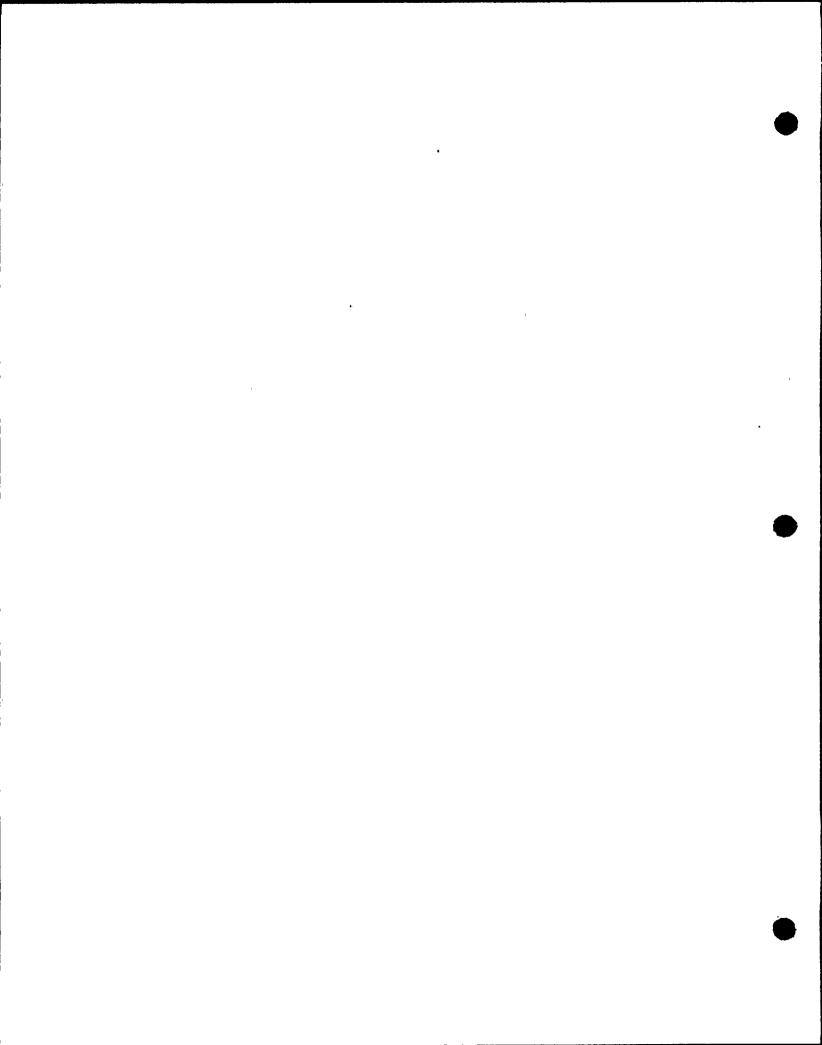
İ	)	Owner		Gas & Ele				Detr	June 2 ,	1986		
			77 Beal	e St. San"	Francis	co, CA	94106	Sher	, 1	of 1		
	2.	Plant_	DIABLO		Market Co.		Unit_# 2			_ • •		
	_		ox 56, Av	ila Beach,	CA 93	3424	•					
	3.		formed by 0	(Accress)			Rep	air Pla	n No Appears	; In RPM	M No.	Col.
	٠.	*****		(N≥	mes		Repair	Organization P.	O No., Job No., etc.	<del></del>	•	
	4.	Identifica	tion of System		resi Pr Systi	em (03)	(Class 2	2)				
	5.	(a) Appli	cable Construc	tion Code A	SME III	19NF	Edition	N/A	Addenda, Co	oge Cases _	N/A	
	6.	(b) Appli	cable Edition (	of Section XI Ut	ilized for P	Repairs or R	epiacements	<u>- 19.77, S</u>	78 Addende,	Code Cases.	N/A	
		me of	Name of	Mfrs. Ser.		· · · · · · · · · · · · · · · · · · ·						
		nponent :	Mfr.	No.	Nat'l. Bd.	RPMM No.	Other Identi-	Year Built	Repaired, Replaced.	1	ME Code tamped	
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7	20/	19-13SL	Anchor	1 007		10000	Line#		Replacement	<del></del>	1015	<del></del>
シ			Anchor Darling	207	N/A	86-08	557	Unkn.	Replaced	Yes	ASME	
2)		3-168SL	Anchor	213	N/A	86-08	557	Unkn.	Replaced	Yes	ASME	
3	41:	3-399SL	Darling	190	N/A	86-010	556	Unkn.	Replaced	Yes	ASME	
4)	204	19-4SL	Anchor Darling	120	N/A	86-010	556	Unkn.	Replaced	Yes	ASME	III
5)	204	19-1SL	Anchor	194	N/A	86-010	557	Unkn.	Replaced	Yes	ASME	III
<u></u>	41	3-388SL	Anchor	206	N/A	86-010	557	Unkn.	Replaced	Yes	ASME	III
<u>/</u> 1	· .	D		All - Repla	aced Sni	ubbers.						
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	9.	Remarks_	Applicable Manuta	cturer's Cats Report	s to be attache	<b>e</b> G				<del></del>		—
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. •	-				CERTI	FICATE C	F COMPLI	ANCE				
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					CERT	IFICATE (	OF INSPEC	TION				l
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	-	rovince of		rnia	, employ	ved by t	ISB I & I		<del></del>			of
		lartford	3, CI h	we inspected the		acement	describ	ed in this Re	port on	6/3	, 19	86
	and	state that	to the best of	my knowledge a	ind belief, t	his repair or	replacement	has been co	nstructed in accor	dance with	Section )	KI of
	ing	mame coo the repail (	in implacement	mis certificate, described in this	neither the Report, F	: Inspector n unthermore.	or his emplo neither the l	yer makes ar Inspector no	ny warranty, expre r his employer sha	ssed or impl It he liable in	lied, cond	nner
	for a	INY PERSON	injury or pro	perty damage of	a loss of a	ny kind arisi	ing from or c	onnected wi	th this inspection.		- 41	
	Date	143/66	74. 1. G	. Johnson	(Inspector)	······	Commiss	ions <u>CA</u>	1419, NB 86			
			1, 1/	. 001113011					mark o. s. oames	,		

Note: Supplemental sheets in form of IIsts, sketches, or drawings may be used provided (1) size is 8% 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.



		Pacific 6	as & Elect	tric Co	rnorati	On	Date.	June 2,	1986			
	1. Owner		St. San 🛱			94106	Date.	1	of	l		
	2. Plant	DIABLO CA		iress)		Unit_#2_	Oilee					
			ila Beach	, CA 9	3424							
	3. Work Perf	ormed by Be	chte Powe	er Corp	·	Job	No. 162	293				
	••	_P.	0. Box 670	<u>J, Avil</u>	<u>a Beach</u>			No., Job No., etc.				
	4. Identificat	tion of System.	Feedwaten			(Class 2			<del></del>	N/A		
	5. (a) Applie	cable Construct cable Edition o	tion Code <u>ASI</u>	ized for R	9.5U epairs or Re	Edition,	5-82 - 19.ZZ .S.'	Addenda, Co. 78 Addenda,				
	6. Identificat	ion of Compo	nents Repaired o	r Replaced	, and Repla	cement Com	ponents					
	Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd.	No. RP-PT	Other Identi-	Year Built	Repaired, Replaced,		ME Code		·
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(3)	<u> ANX-7</u>		1242.02.3		85-89	557	1985	Replaceme		ASME		(NPT)
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	9. Remarks_	Applicable Manufa	cturer's Data Report	s to be attache	id)							
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•				CERTI	FICATE (	OF COMPL	IANCE					
		the statement	s made in this re	port are co	rrect and th		acement		forms to Sec	tion XI of	the	
	ASME Code.	è74	Zul-	, PLA	NT MANA	•	6/2	, 198	36			
	Signed	(Owner or Own	ers Designee) (	<del>                                     </del>	Title	(0	Date)					
				CERT	FICATE	OF INSPEC	CTION					
	I, the undersig	ned, holding	s valid commiss	ion issued	by the Na	tional Board	of Boiler ar	nd Pressure Vesse	I Inspectors	and the S	itate	
	or Province of.		fornia	, emplo	yed by	HSB I	& I CO.				_of	•
	Hartford	<u>, CT</u> h	eve inspected th	REPLACE	OF REDIACEME	describ	ed in this R	eport on	6/3	, 19	86_	
	and state that	to the best of	my knowledge	and belief,	this repair c	r replacemen	it has been co	onstructed in acco	ordance with	Section >	(1 of	
	ing the repair	or replacement	déscribed in thi	s Report. F	urthermore	, neither the	Inspector no	or his employer sh	all be liable			
	for any person	al injury or pro	perty demage o	r a loss of a	ny kind ari:	sing from or o	C	ith this inspection A 1419, NB				
	2010-24-27-03	T R	K. Johnson	(inspector	)	Commis		(State or Province		rd)		

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 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 5601 N. 71st St., Boulder, Colorado 8030 1. Fabricated and certified by Dieterich Standard Corp. . 2. Fabricated for Pacific Gas & Electric Co., 77 Beale St., San Francisco, California 94106 Location of installation Diablo Canyon Nuclear Plant, 8.5 miles NW of Avila Beach, CA 93424 <u>12142.02.1-4, .04.1-4</u> 1983 ASME Code, Section III\_ psias Ambient Room Temp. 2250 6. Shop hydrostatic test \_\_\_ 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 items of this Report:\_ N/A 9. Remarks\_ 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 Name Dieterich Standar 1 Corporation Signed CERTIFICA' E OF SHOP INSPECTION 1, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or

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

\*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% 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.

This form (E00062) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.

and employed by Commercial Union Insurance

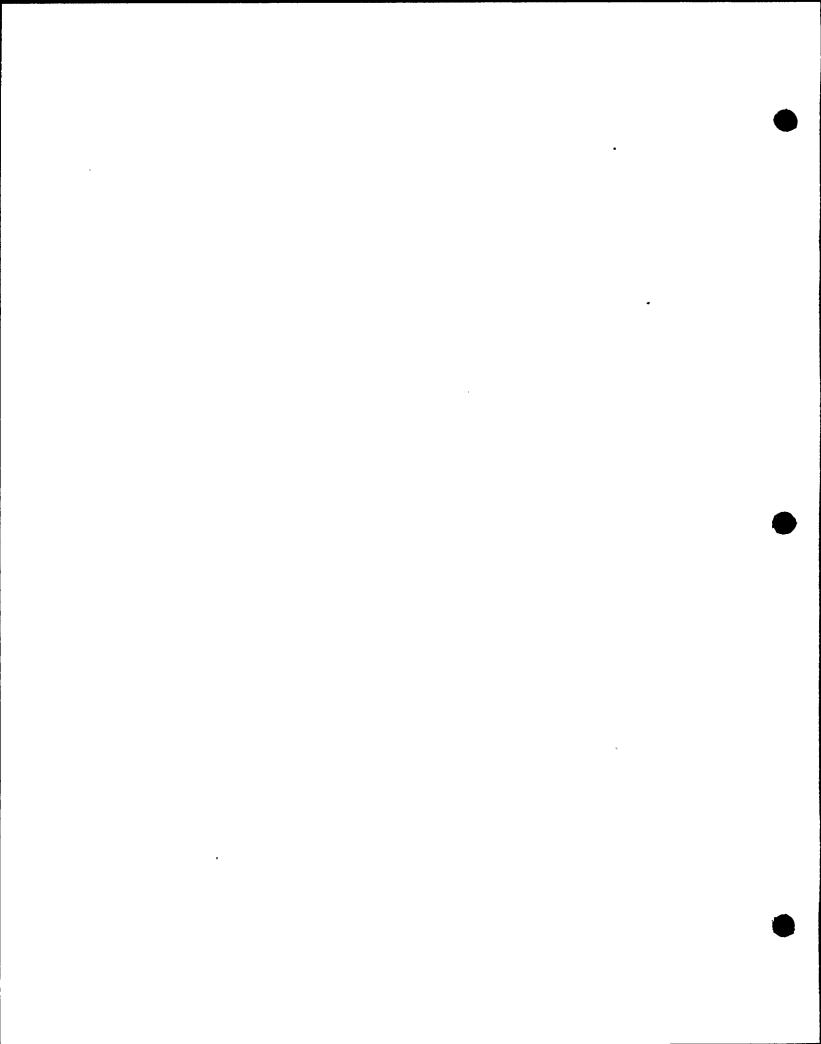
and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in ac-

\_ have inspected the component described in this Data Report on

Province of Colorado

cordance with the ASME Code, Section III.

or property damage or a loss of any kind arising from or connected with this inspection.



- 1. Dieterich Standard Corporation 5601 N. 71st Street Boulder, Colorado 80301
  - Pacific Gas & Electric Co.
     Pacific Gas & Electric Co.
     Beale Street
     San Francisco, California 94106

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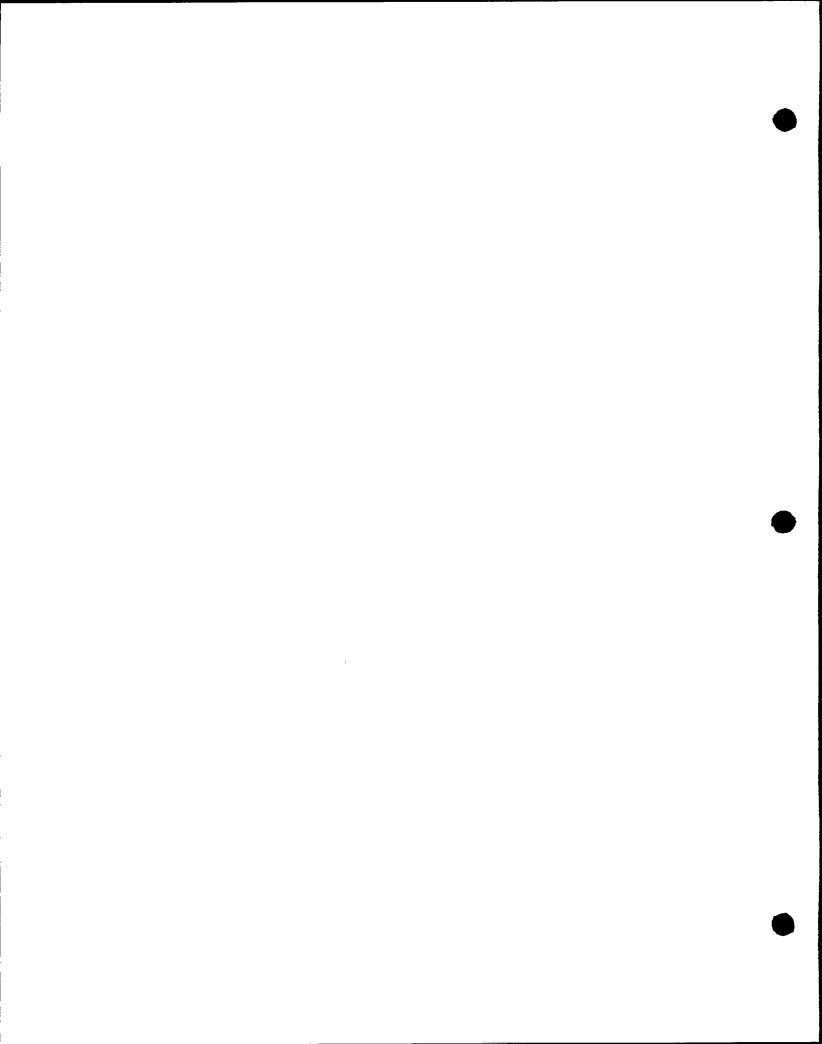
- 3. Diablo Canyon Nuclear Plant 8.5 miles NW of Avila Beach, California 93424
- 4. 12142.02.1-4, .04.1-4 N/A SU-2976 N/A 1985
- 7. Probe SA 213 Insertion Disc SA 182 Packing Body SA 182 Yoke SA 182 Guide SA 182 ·1/2"-13 Stud SA 193 1/2"-13 Nut SA 194 Mounting Disc SA 182 Insertion Rod SA 193 Acme Nut 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

Authorized Inspector

Date 10/9/85

Date 10/9/85



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

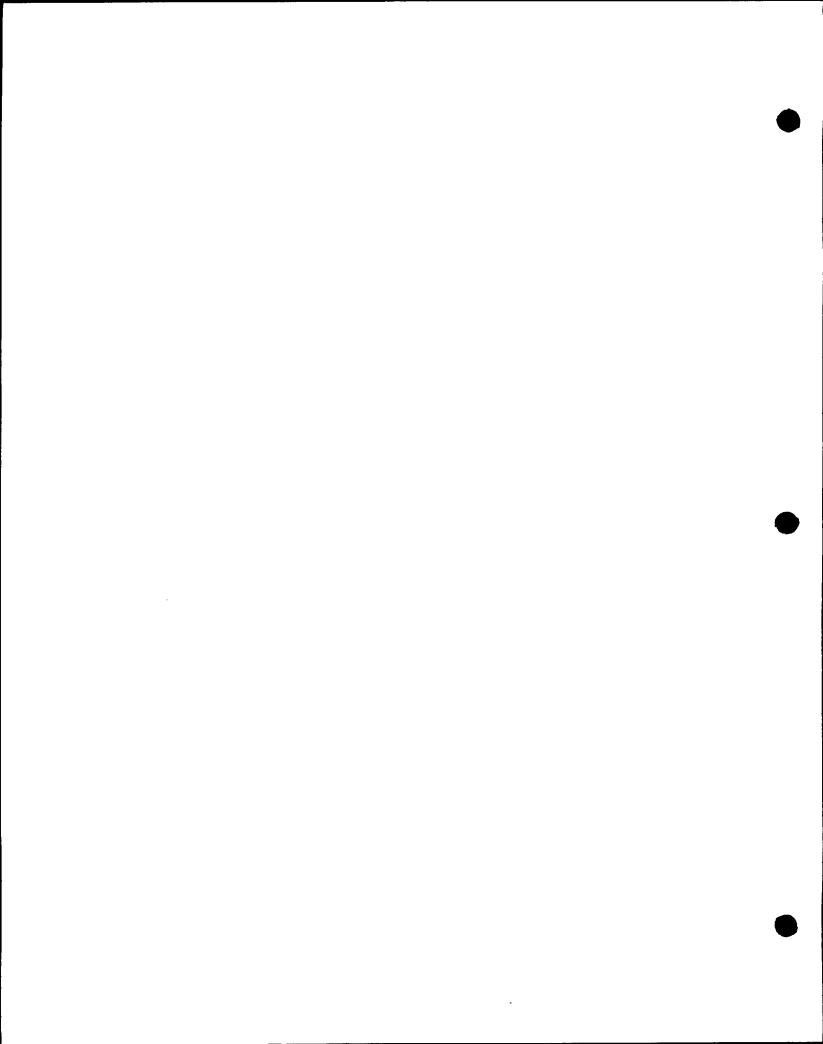
As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of \_

1.	Fabricated and certified by Dieterich Standard Corp., 5601 N. 71st St., Boulder, Colorado 80	301
	Fabricated for Pacific Gas & Electric Co., 77 Beale St., San Francisco, California 9410	
3.	Location of Installation Diablo Canyon Nuclear Plant, 8.5 miles NW of Avila Beach, CA 93424	
4.	Identification B7-R/Lot 8257A N/A SU-2976 N/A 1985	
5.	ASME Code, Section III 1983 Summer 1984 1 N/A  (Edition) (Addende date) (Cont.)	
6.	Shop hydrostatic test °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	P B
9.	Remarks N/A	
	CERTIFICATE OF SHOP COMPLIANCE  e certify that the statements made in this Report are correct and that the fabrication of the described piping conforms to the rules for enstruction of the ASME Code, Section III.	
NF	PT Certificate of Authorization No. N 1728 Expires April 29, 1986  ate 10/17/05 Name Dieterich Standard Corporation Signed April 29, 1986	-
E COI By de:	CERTIFICATE OF SHOP INSPECTION  the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or ovince of Colorado and employed by Commercial Union Insurance  of BOSTON have inspected the component described in this Data Report on have inspected the Certificate Holder has constructed this component in actordance with the ASME Code, Section III.  It signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component secribed in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury property damage or a loss of any kind arising from or connected with this inspection.	
Da	ate 10/12/8. Signed J. Juliane Internal Commissions Colo #29  (Authority Internal) That 80 mg (negretary), State 2 flor and hot	

\*Supplemental information in form of lists, sketches, or drawings may be used provided (1) size is 8% 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.

(6/83)

This form (E00062) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017.



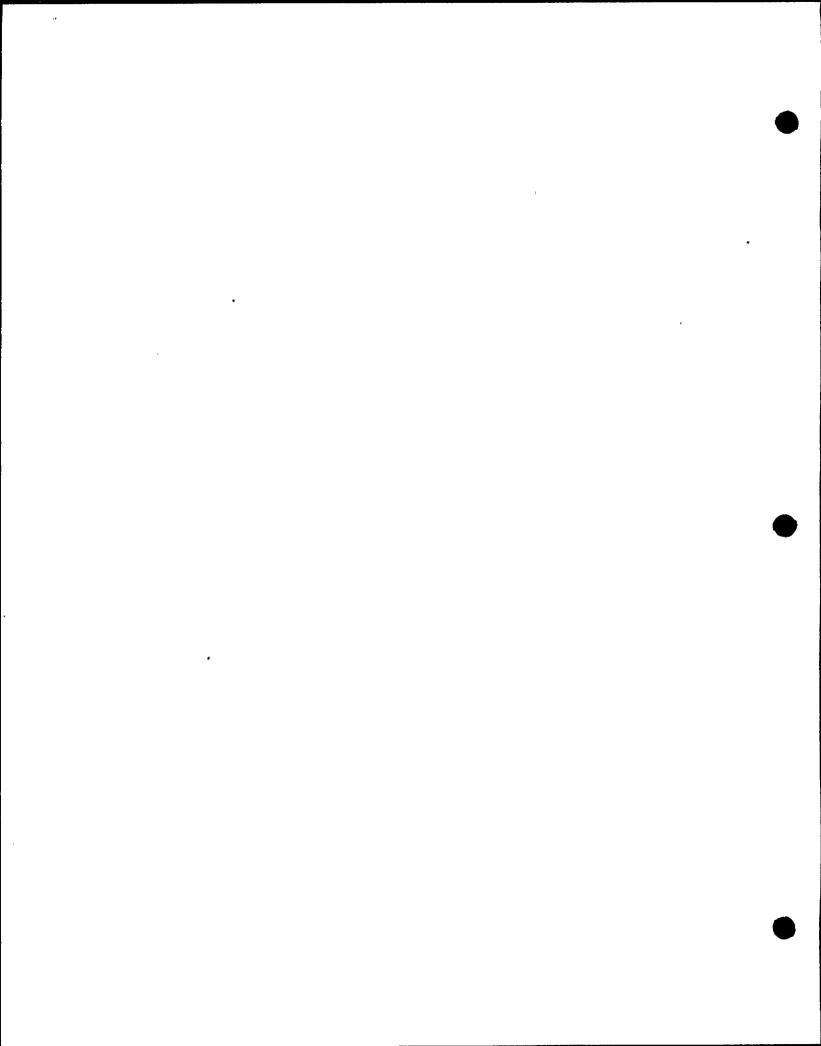
- 1. Dieterich Standard Corporation 5601 N. 71st Street Boulder, Colorado 80301
- Pacific Gas & Electric Co. 77 Beale Street San Francisco, California 94106
- Diablo Canyon Nuclear Plant
   8.5 miles NW of Avila Beach, California 93424
- 4. B7-R/Lot 8257A N/A SU-2976 N/A 1985

Certif

Authorized Inspector J. S. Dullaman

Date 10/17/85

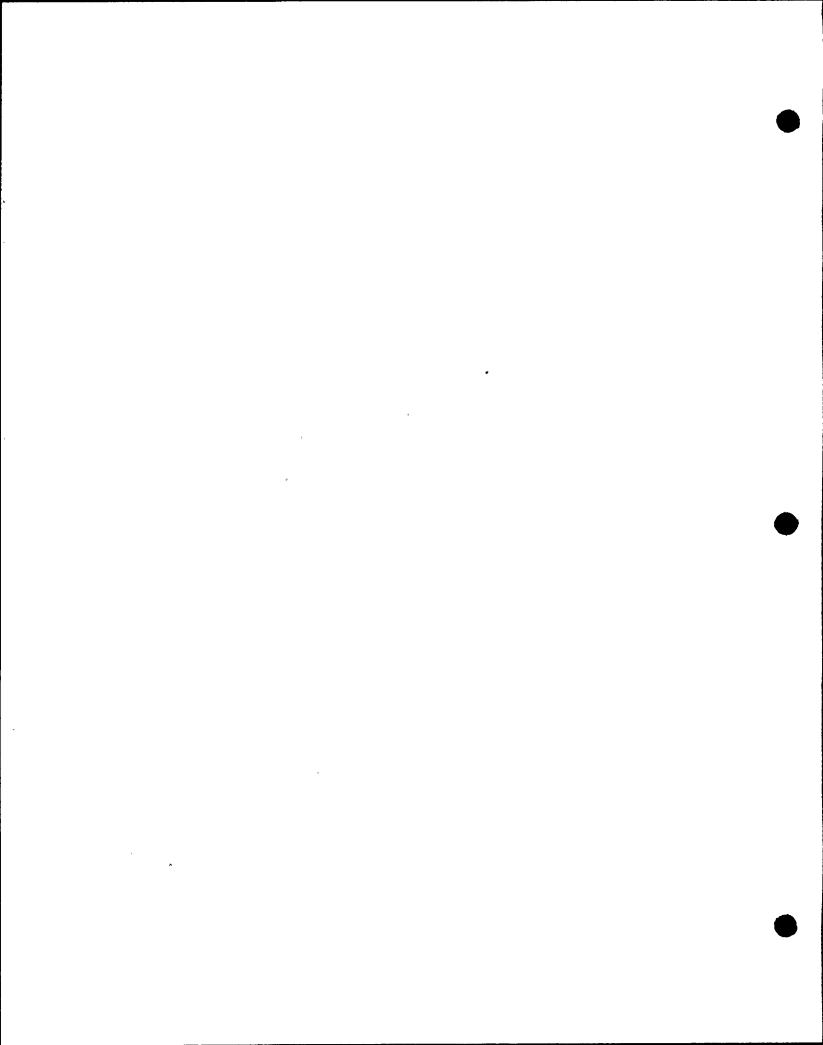
Date 10/12/85



1. Owner		as & Elec				Date	June 2 , 1	
	77 Beale	St. San F		o, CA S	94106	Shee	<u>,                                      </u>	,1
2. Plant	DIABLO CA	NYUN	dress)		Unit_#2_			·
<u>P.O.</u>	Box 56, Av	ila Béach	<u>, CA 9</u>	<u>3424                                   </u>				
. Work Pen	formed by Be	chter Pow	er Corp	•		No. 16	293 O No., Job No., etc.	
	<u> </u>	0. Box 67					J 110., 30 J 110., 410.	
4. Identifica	tion of System.	Feedwa	ter Sys	tem (03)	(Class	2)	·····	Casas N/A
5. (a) Appl	icable Construc	tion Code <u>566</u>	REIOM	19 CODE S	olesements.	<u> 10 77                                  </u>	Addenda, Code S 178 Addenda, Co	
(b) Appl 3. Identifica	icable Edition of	nents Repaired	or Replaced	I, and Replac	ement Com	ponents	7000100,00	06 06:01 2022
Name of	Name of	Mfrs, Ser.	Nat'l.	No.	Other	Year	Repaired,	ASME Code
Component	Mfr.	No. "	Bd.	RP-PT	Identi-	Built	Replaced, or	Stamped (Yes or No)
			No.		fication Line#		Replacement	(183 01 110)
14-529R	Bechtel			85-096	554	85	Replacement	No ASME I '68
14-530R	Bechtel			85-097	555	85	Replacement	No ASME I '68
14-531R	Bechtel			85-098	557	85	Replacement	No ASME I '68
14-532R	Bechtel			85-099	556	85	Replacement	No ASME I '68
113-298V	Grinnel			86-001	572	Unkn.	Replacement	No ANSI B31.
B. Tests Con  9. Remarks	Pr	ydrostatic  essure cturer's Data Repor	psi Test	Temp	°F	IANCE		
	t the statement	s made in this r	eport are co	rrect and th		acement		ms to Section XI of the
ASME Code.	52 67	Poli	→ , PLA	NT MANA	•	5/2.	, 1986	•
Signed	(Owner or Own	ers Designee)	)	Title	(0	(Ate)	, 18	
		<u></u>	CERT	IFICATE (	OF INSPEC	CTION	***************************************	
1, the unders	igned, holding	a valid commis	sion issued	by the Nat	ional Board	of Boiler a	nd Pressure Vessel Ir	spectors and the State
or Province of	. 0-13	fornia		yed by		& I CO.		of
Hartford	, CT h	eve inspected th		cement	describ	ed in this F	leport on	1986
and state that	t to the best of	my knowledge	Repair(s) and belief,	or Replaceme this repair o	nt(3)} r replacemen	it has been c	onstructed in accorda	ance with Section XI of
the ASME Co	de. By signing	this certificate	, neither the	e Inspector r	or his emplo	oyer makes a	iny warranty, express	ed or implied, concern-
							or his employer shall with this inspection.	bé liable in any manner
Date 6/3/9	6 K.72	Julne	ch_		Commis		A 1419, NB 86	
	R.	K/Johnson	) (Inspector	า			(State of Province, N	ational Board)

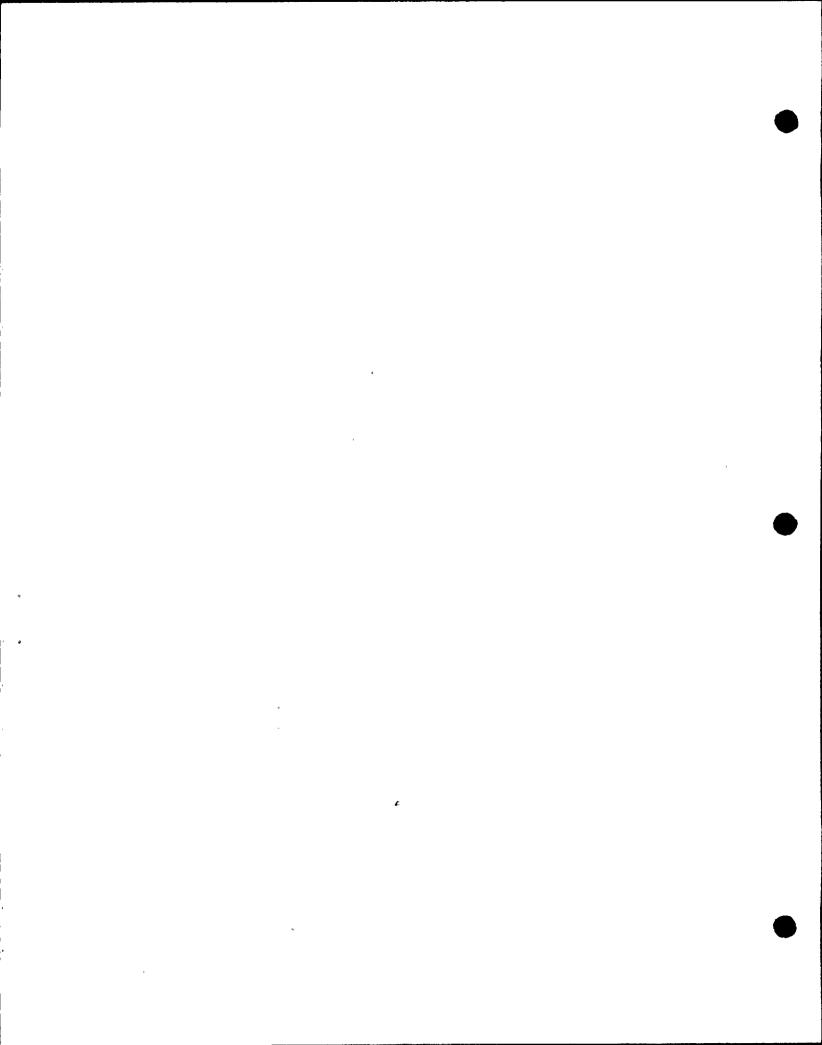
Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% in. X 11 in., (2) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

167



1.	Owner	Pacific	Gas & Ele	ctric Co	orporati		Date	June 2,	<del></del>			
		77 Beal	e St. San	Francis	co, CA	94106	Shee	<u> </u>	o12			
2.	Plant	DIABLO	CANYON (AA) ila (Name)	CA 93/	424	·Unit_#2			······································			
3.		ormed by 0	wner		72-7				ars in RPMM No. Co			
			(NB			Repair C	organization P.	O No., Job No., etc.				
4.		tion of System			em (04)	(Class						
5.	(a) Appli	cable Construc		e Below		Stampon,		Addenda, C	Code Cases N/A			
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements — 19_77, _S178 Addenda, Code Cases N/A  6. Identification of Components Repaired or Replaced, and Replacement Components												
Ne	ame of	Name of	Mfrs. Ser.	Nat'l.	RPMM	Other	Year	Repaired,	ASME Code			
Con	mponent	Mfr.	No.	Bd.	No.	Identi-	Built	Replaced,	Stamped			
,				No.	1	fication Line#		or Replacement	(Yes or No)			
Man	. Sec.	W	1164	68-92	<b>85-99</b>	Stm. Gen	1970	Repaired	Yes ASME III			
	V-41	Schutte	N690554	N/A	£ 5-104	228	Unkn.	Repaired	No Draft P&V			
FCV	V-42	Schutte &K	N690555	N/A	£ 5-105	227	Unkn.	Repaired	No Draft P&V			
FCV	V-43	Schutte &K	N690556	N/A	8 :-106	226	Unkn.	Repaired	No Draft P&V			
FCV	V-44	Schutte	N690557	N/A	8 -107	225	Unkn.	Repaired	No Draft P&V			
PC	V-19	Copes Vulcan		N/A	8€ ·028	1410	Unkn.	Repaired	No Draft P&V			
7. 8.	Description Tests Con	on of Work 1 ducted: He		ne Gaske Pneumetic Ipsi Test	☐ Yomi	ce 23 nai Operatin Rege d		Seal Weld	Drain Plug .			
7.		(6) Buil	cturers Oats Repor d Up Steam	ns to be attache	achi ie(	B) Machi	ne Inter	nals(9)(10	) (11) (12) Machine			
				CERTI	FICA E C	F COMPLI	ANCE					
We	certify that	the statement	s made in this re	port are co	rrect sad th	•	air		forms to Section XI of the			
	ME Code.		01			(Pa	pair or replacer	•				
Sign	ned	(Dyner or Own	era Designes	PLANT N	MANASER	<u>ح</u>	/ Z	, 19	36			
لــــ	R.C.T	HORNBERRY	0				,					
				CERT	FICATE (	OF INSPEC	TION					
	the undersig	0-1:5-				ional Board ISB I & :	of Boiler at	nd Pressure Vessi	el Inspectors and the State			
	Hartfor	d CT		employRe	pair		-41- 4-1- 6		6/3 1986			
and the ing	state that ASME Cou	to the best of de. By signing or replacement	this certificate, described in th	(Repairs) and belief, t neither the is Report. F	or Replacement his repair of Inspector r urthermore,	nt(s)] r replacement for his emplo , neither the	yer makes a Inspector no	onstructed in acco	ordance with Section XI of ressed or implied, concern- nall be liable in any manner			

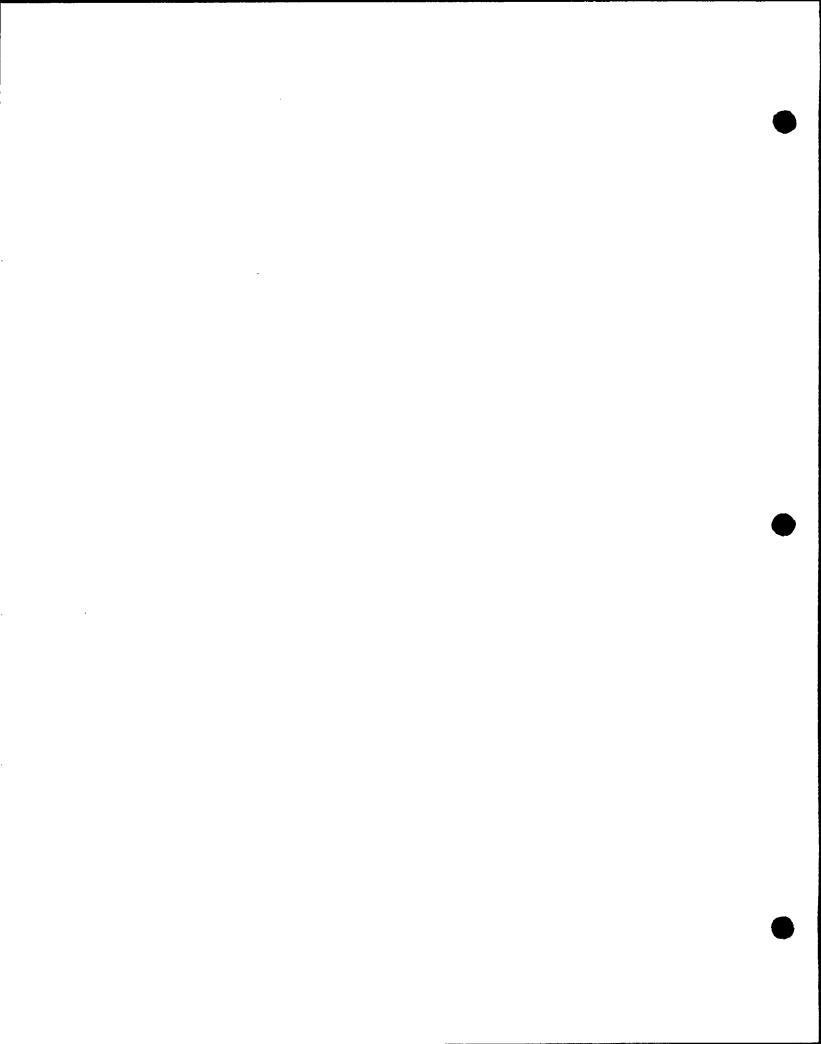
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1.	Owner	Pacific Gas And Electric Corporation	DATE	June	2,	1986
		77 Beale Street, San Francisco, CA 94106	SHEET	2	OF	2
2.	Plant	Diablo Canyon Unit #2	,			•
		P. O. Box 56, Avila Beach, CA 93424				
3.	Work P	erformed By Owner		<b>-</b>		

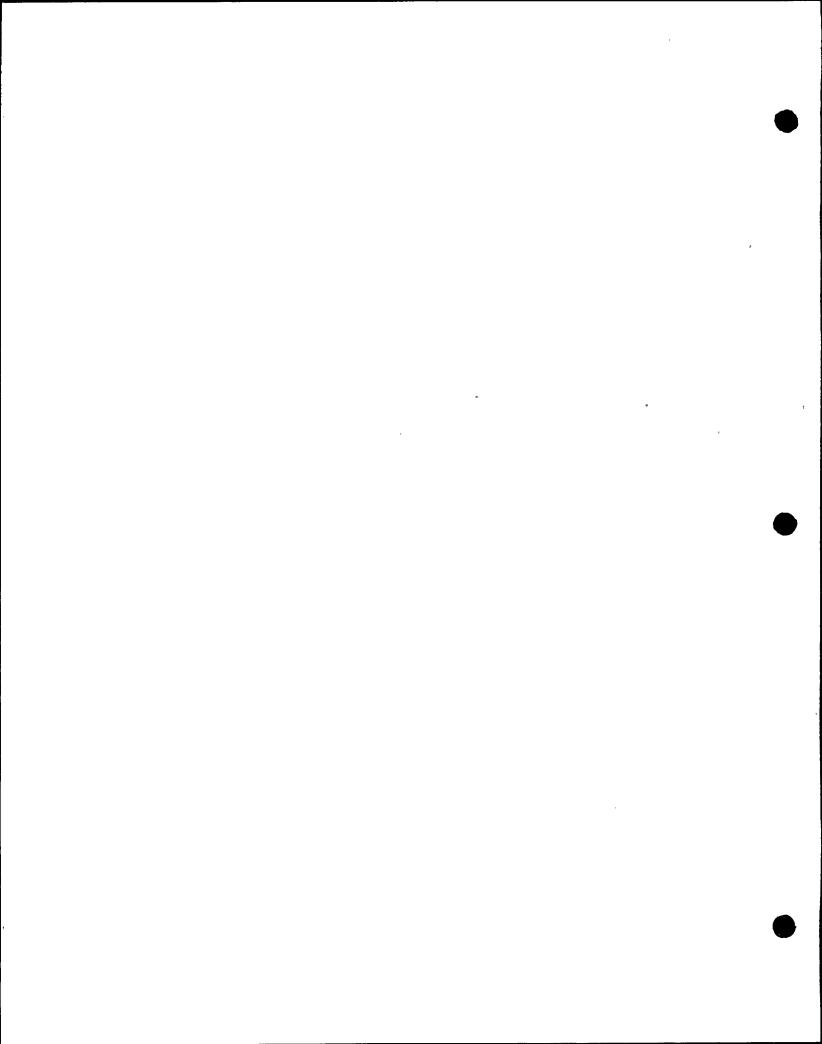
4. Identification of System Main Steam System (04) (Class 2)

	Name of Component	Name of Mfr.	Mfrs. Ser. No.	- Nat'l. Bd. No.	RPMM No.	Other formulation fication	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
7	PCV-20	Copes Vulan		N/A	86-029	1427	Unkn.	Repaired	Yes ASME III
8)	PCV-22	Copes Vulan		N/A	85-146	1429	Unkn.	Repaired	Yes ASME III
9	Hand Hole Cover	<u>M</u>	1161	68-89	85-17	Stm. Gen 2-1	1970	Repaired	Yes ASME III
j)	Hand Hole Cover	l M	1162	68-90	85-18	Stm. Gen.2-2	1970	Repaired	Yes ASMF III
	Hand Hole Cover	<u> </u>	1163	68-91	85-19	Stm. Gen.2-3	1970	Repaired	Yes ASME III
2	Hand Hole Cover	<u> </u>	1164	68-92	85-20	Stm. Gen 2-4	1970 ·	Repaired	Yes ASME III
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1	1.	Owner		Gas & Ele				Det	June 2_,				_
			77 Beal	e St. San <sup>(N</sup>		co, CA	94106	- She	1	of	2		
	2.	Plant	DIABLO	CANYUN	OLBST!		Unit # 2						_
		P.O. B	ox 56, Av	ila Beach,	CA 93	424							
	3.	Work Peri	formed by 0	(Aggress) Wner (Ner	T-01		Reg	oair Pla	n No Appears	s In RP	MM No	. Co	<u>1.</u>
			•			(04)	•	-	.U 40., 365 A0., 6(E.		•		
	4. 5.	Identifica	tion of System.	Main Steamon Cook See					A-1		N7A		_
	5.	(b) Appli	icable Edition o	f Section XI Ut	ilized for R	lepsirs or Re	placements	- 19 <u>77</u>	S <sup>1</sup> 78 Addenda, C	oce Cases , Code Case	, N/A		_
	6.	loentifica	tion of Compo	nents Repaired	or Replaced	i, and Repla	cement Con	nponents	•				_
	_	ame of	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd.	RPMM No.	Other (denti-	Year Built	Repaired, Replaced,		SME Coo	-	_
_					No.		fication Line#	55	or Replacement	1	Yes or No	•	
(1)	] ]  Sn	-87SL ubbers	PSA	2690	N/A	85-80	593	Unkn.	Replaced	Yes	ASME	III	- NI
2	41 Sn	3-255SL ubbers	Anchor D	48 & 231	N/A -	85-150	593	Unkn.	Replaced	Yes	ASME	III	-NI
(3)	Sn	ubbers*	Anchor D	Now #98 128, 142	N/A	85-152	594	Unkn.	Replaced	Yes	ASME	III	NI
4	41 Sn	3-270SL ubber	PSA	304	N/A	85-154	593	Unkn.	Replaced	No	N/A		_
(D)	.\$h	35255SL	Anchor D	649, 648	N/A	1850,1	593	Unkn.	Replaced	Yes	ASME	III	NI
(a)	FC	V-41	Schutte & Koerting	N690554	N/A	85-163	228	Unkn.	Replaced	No	Draft	P&V	_
	7. Description of Work 124589 Replace Snubber 3 Replace * 413-286SL, 413-409S												
	8.	Tests Con	ducted:N/AHy	drostatic 🔲	Pneumatic	□ Nomi		on usen 9 gr	Other 🖸				_
	7.	(Cont.	<u>) 413-5403</u>	L (6) Rep	Tace Pi	Temp ug	<b>^</b> F						
													<u> </u>
					CERTI	FICATE C	F COMPL						_
•		certify that ME Code.	the statements	made in this re	port sre co	rrect and thi		lacement		forms to Se	ction XI	of the	ł
		ned	2 6 71	Zohon	PLANT N	1ANAGER	Ť	6/7-		6			
	-		HORNBERRY	Ca Designeer		Title	Œ	Deser 1	, 18	<del></del>			
Ī			1011112 01111	· · · · · · · · · · · · · · · · · · ·	CERT	FICATE (	OF INSPEC	TION		7	<del></del>		7
Ì	l, t	he undersig	ned, holding a	valid commiss				•	nd Pressure Vessel	Inspector	s and the	State	
		Province of_	C-3:5		, employ	1	ISB I &	I CO.			,	01	,
		Hartford	d, CT he	ve inspected the		acement	describ	ed in this R	eport on	6/3		1886	
Ì	and	state that	to the best of i	ny knowledge a	nd belief, t	or Replacemen his repair or	replacemen	t has been co	onstructed in acco	rdance with	h Section	XI of	,
1	ing	the resent of	×. By signing : ∴ leplacement:	this certificate, described in this	neither the Report, F	Inspector n	or his emplo	yer makes a: Inspector no	ny warranty, expr or his employer sha	esæd or im	plied, co	ncern-	
	for	any personi	injury or prof	perty damage or	a loss of a	ny kind arisi	ing from or o	connected wi	ith this inspection.				
	Dat	<u>-6/3/8</u>	6 7C74 R. K	Johnson Johnson	inspector		Commis	sions <u>CA</u>	State or Province		erc:	<del></del> -	-
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Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8% 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

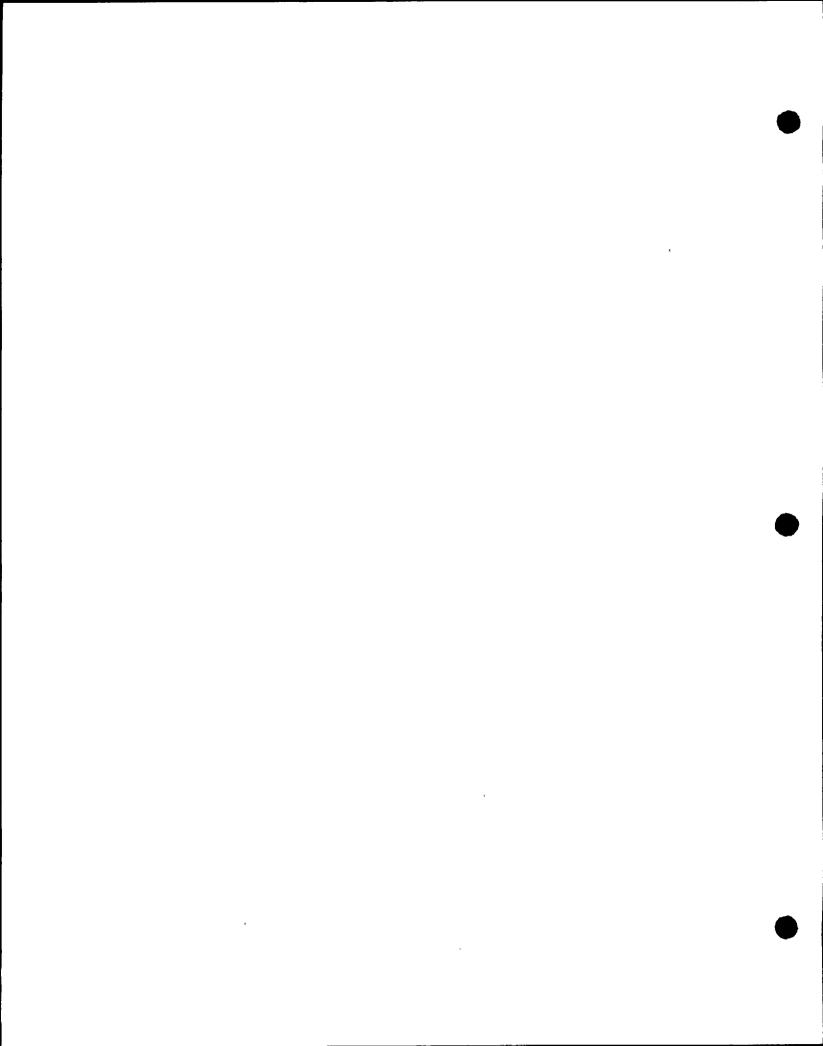
2. Plant Diablo Canyon Unit #2

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

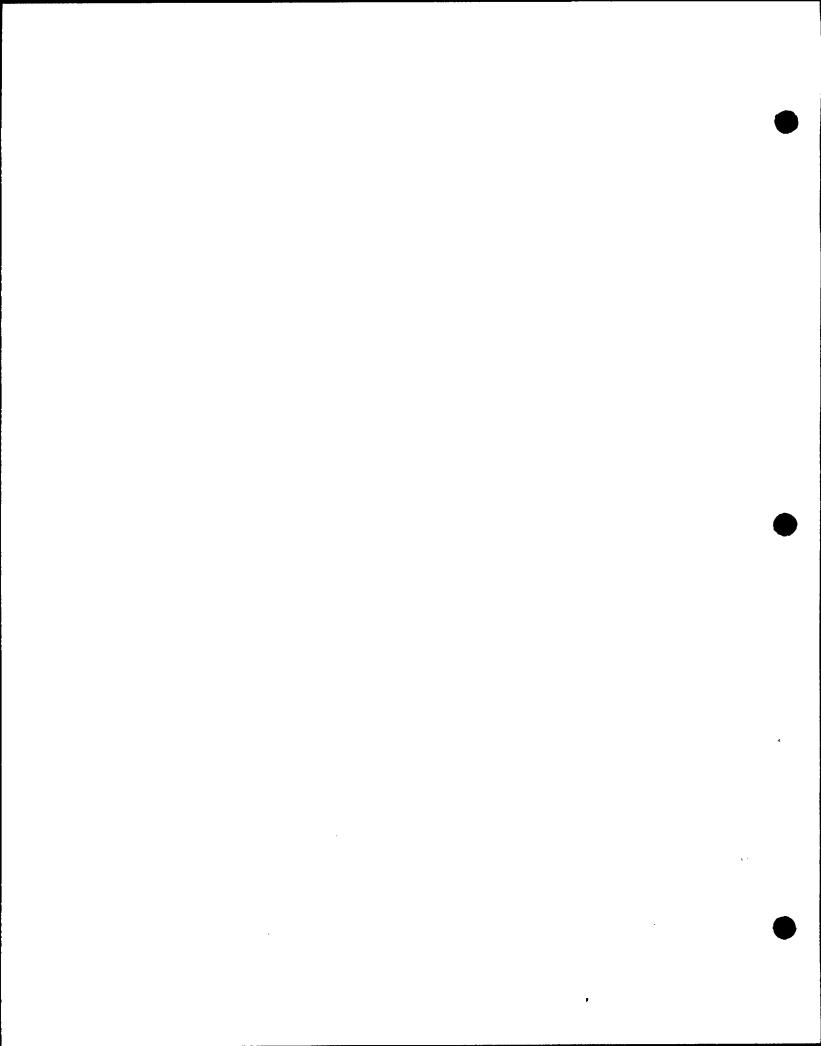
3. Work Performed By Owner

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

	Name of Component	Name of Mir.	Mfrs, Ser. No.	- Nat'l. Bd. No.	RPMM No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	St	AE Cooe amped s or No)		
7	Snubber 72-80SL Snubber 413-545SL	Anchor Darling	82	N/A	85-036	1040	Unkn.		No	ANSI	B31	.7
<u>8</u>	Spybbers.	PSA	16973	N/A	85-053	593	Unkn.	Replaced	Yes	ASME	III	NF
<u>3</u> 9	\$ <u>nubber</u> 4 <u>13-540SL</u>	I Anchor	112	N/A	l85-063	593	Unkn.	Replaced	Yes	ASME	III	NF
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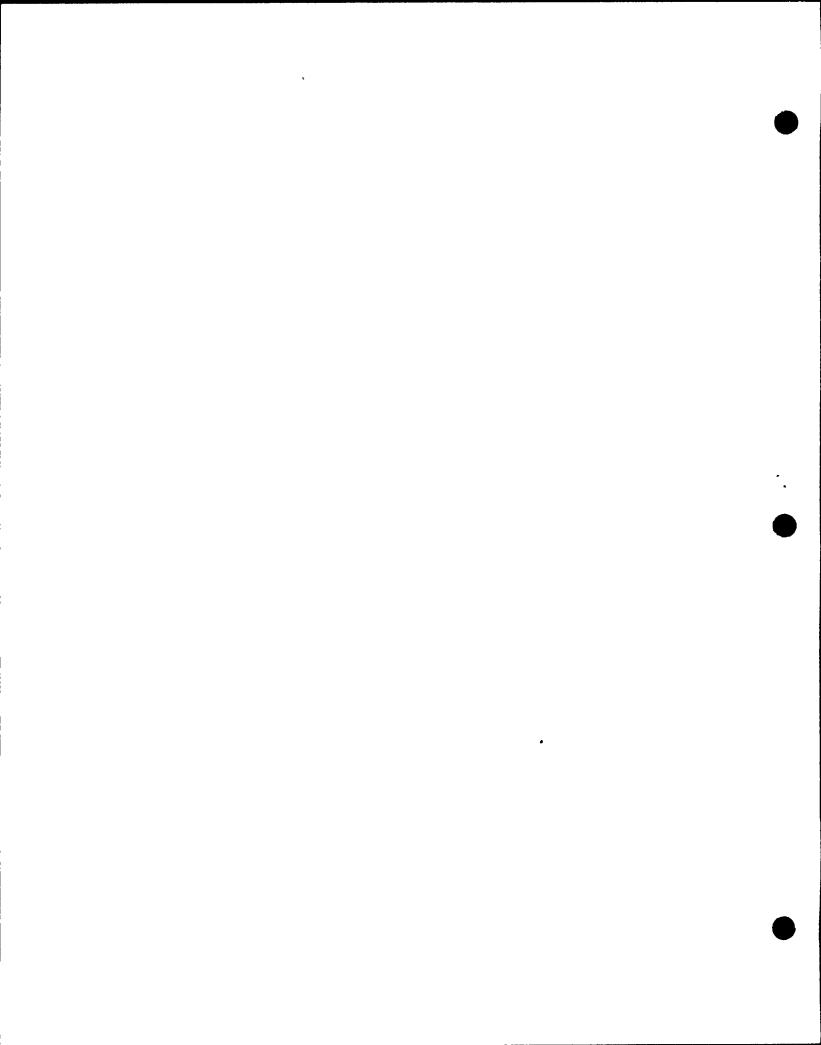
		كالمنافق والمنافق								
		1. Owner	Pacific G	as & Elec	tric Co	rporati	on	Date	June 2,	
			77 Beale	St. San 🖰		o, CA	94106	Shee	11	of2
		2. Plant	DIABLO CA	NYUN	dress)		Unit_#2_			
		P.O. E	Box 56, Av	ila Beach	, CA S	3424				
		3. Work Perf	ormed by Be	chtel Pow	er Corr	<del>).</del>		No. 16	293 O No., Job No., etc.	
			<u>Р.</u>	0. Box 67	U', Avil	a Beach	<u>, LA</u>	•		
		4. Identifica	tion of System.	Main Ste	Relow	em (U4)	Stamp	Co Lumn	Addenda, Cod	o Caras N/A
		5. (a) Appli (b) Appli	cable Construct cable Edition o	f Section XI U	ilized for F	Rep. ns or Re	placements -	-1977.	S 178 Addenda, C	ode Cases N/A
	_	6. Identifica	tion of Compor	nents Repaired	or Replace	d, ar 1 Repla	cement Com	ponents	i	<del></del>
		Name of	Name of	Mfrs. Ser.	Nat'l.	10.	Other	Year	Repaired, Replaced,	ASME Code Stamped
		Component	Mfr.	No.	Bø No	RP -PT	Identi- fication	Built	or	(Yes or No)
_							Line#		Replacement	
1	Hgr	2021-11R	Pullman Pwr.		N/A	85-32	228	Unkn.	Replace  Shims	No ANSI B31.1
2	Hgr	2023-11R	Pullman		N/A	85-38	227	Unkn.	Replace Shims	No ANSI B31.1
3	Hgr	11-87SL	Puliman/		N/A	185-55	593	Unkn.	Replacement	No ANSI B31.7
$ ag{5}$	Hgr	7-121R	Pullman/ Pwr.		N/A	85-56	1843,	Unkn.	Replace Shims	No ASME I
<b>页</b>	Hgr	7-133	Püllman Pwr.		N/A	85-57	1042	Unkn.	Replace  Shims	No ASME I
	) igr	413-5445		429	N/A	₹5-82	593	Unkn.	Replaced	No
			1	2(4)(5)	Shim 0	3i 15 (3)	Redesig	ın Hange	r.	
		7. Description 8. Tests Cor	on of Work	drostatic 🗆	Pneumatic	L Nom	inal Operation			h
			_	ce Shims	(E) (F)	(B) '(D)	<del>(1</del> 0) (1)	Replac	e Snubbers (	3 Add drain and
		9. Remarks.	team trap	cturer's Data Repor	rts to be attack	hed)				
		<u>unu 5</u>	ccam orap	00.111000.10						
					CERT	IFICA TE (	F COMPL	IANCE		
		We cartify tha	t the statement	s made in this r	eport are c	orrect and th		lacement		rms to Section XI of the
		ASME Code.	مے ہا	01	•			epair or replace		<b>.</b>
		Signed	(Owner or Own	era Designee)	) , PL	ANT MANA		6 / 2 Date)	, 19	<u></u>
					0					
							OF INSPE			
		I, the undersi			sion issued	by the Na			and Pressure Vessel	Inspectors and the State
		or Province of		<u>fornia</u>		oyed by	HSB I	& I CO.		of
•		<u>Hartford</u>	<u>CT</u> h	eve inspected ti	Repair	acement	describ	bed in this F	Report on	5/3, 198 <u>6</u>
		and state that	to the best of	my knowledge	and belief,	this repair o	r replacemen	nt has been d	constructed in accor	dance with Section XI of
		ing the repair	or replacement	this certificate described in th	r, neither tr ils Report.	re inspector Furthermore	nor his empi e, neither the	Inspector n	or his employer shal	ssed or implied, concern- I be liable in any manner
		for any person	nal injury or pro	perty demage	or a loss of	any kind ari	sing from or	connected v	vith this inspection. CA 1419, NB 8	
		Date 6/3/	86 7c.	K. Johnson	n (Inspect	on	Commis	ssions	(State or Province,	
_		<u></u>		oomiii30i		<del></del>	· · · · · · · · · · · · · · · · · · ·			



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 Bechtel Power Corp. 4. Identification of System Main Steam System (04) (Class 2) ASME Code Mfrs. Ser. Na:'l. Year Repaired. Name of Name of ŔP-PT Other Replaced. Stamped Mtr. No. Bđ. Identi-Built Component No. (Yes or No) No. fication Replacement Line # 7) Hgr 413-545SU PSA 20040 N/A 85-82 593 Unkn. Replaced No (8)Hgr 413-540Sli A.D. 593 No 128 N/A 85-82 Unkn. Replaced 9 Hgr 413-270SU PSA 261 N/A 85-82 593 Unkn. Replaced No (10) Hgr 413-286SU A.D. 98 N/A 85-82 593 Unkn. Replaced No (11) Hgr 413-255SU A.D. 202/135 N/A 85-82 593 Unkn. Replaced No 12) Hgr 413-306R | Pullman Replace --N/A 85-104 1066 Unkn. · No ANSI B31.7 13) Line 593 N/A 85-107 No ASME I Unkn. Replacement

1. Owner Pacific Gas And Electric Corporation

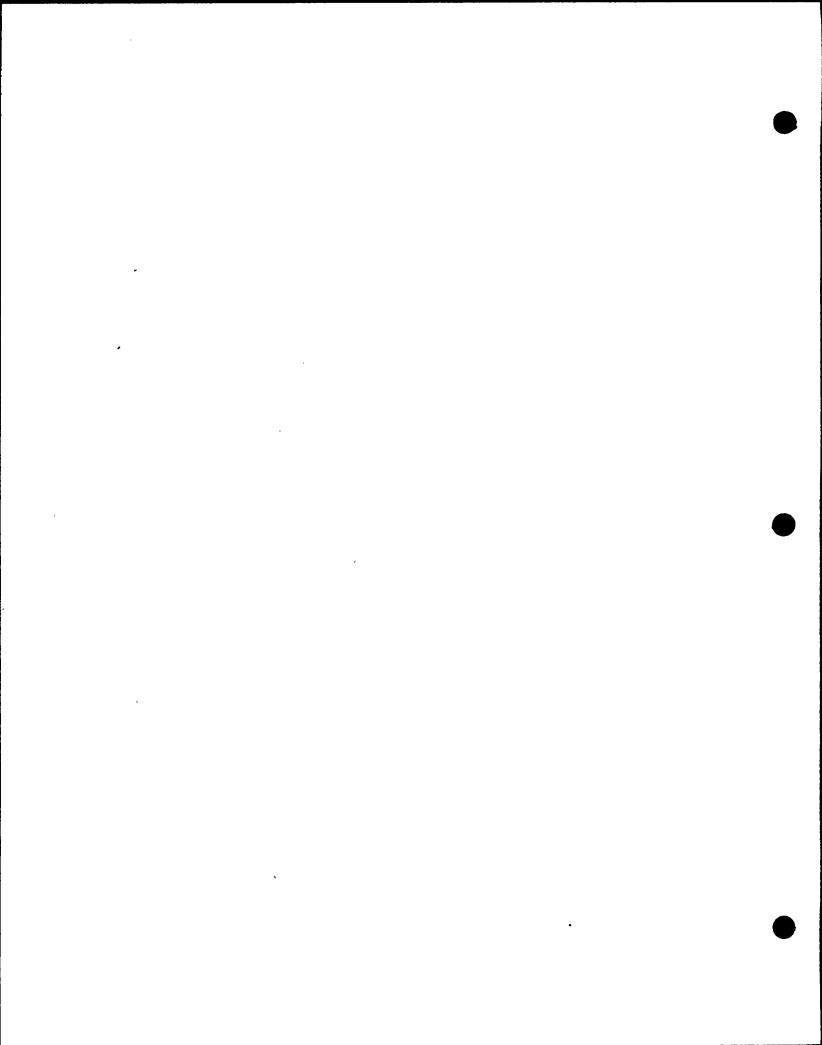
DATE June 2, 1986



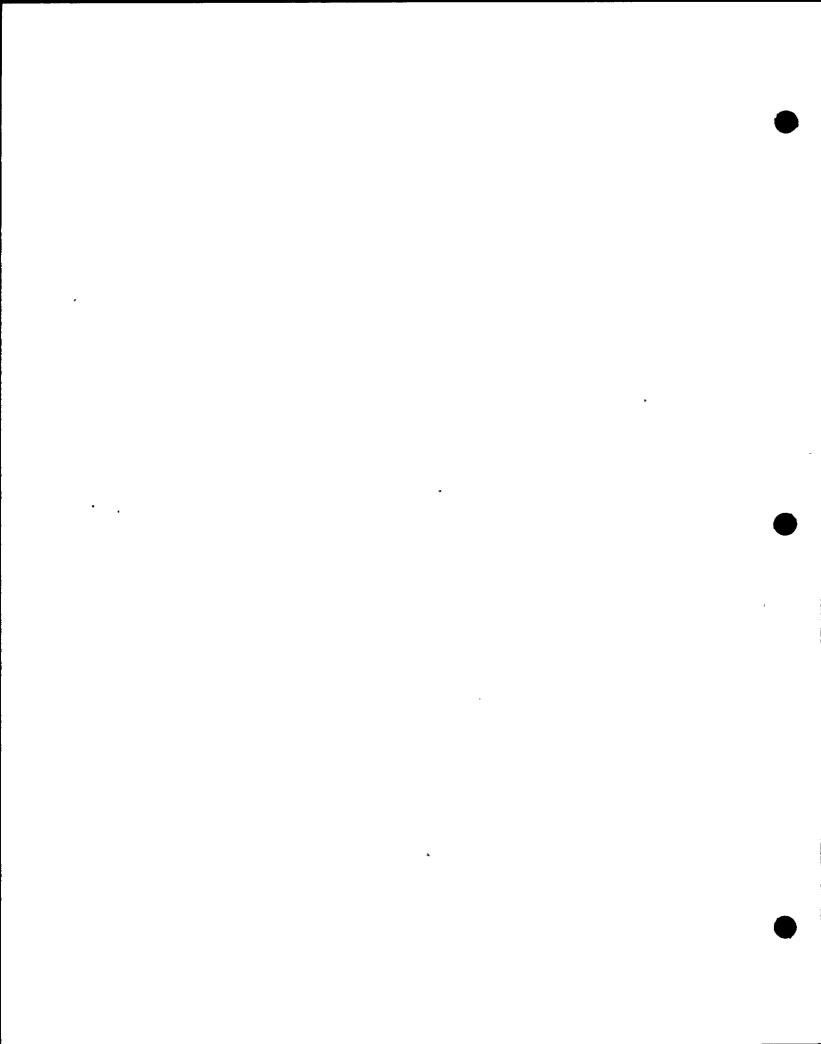
	1.	Owner		Gas & Ele				Date	June 2, 19	86		
			77 Beal	e St. San <sup>(N</sup>	Francis	co, CA	94106	Shee	n <u> </u>	of		
	2.	Plant	DIABLO	CANYON	dress)	<del></del>	Unit_#2					
		<u>P.O.</u> B	ox 56, Av	ila <sup>(Neme)</sup> ach,	CA 93	424						
	3.	Work Peri	formed by 0	(Address) WNEY (Na	20		Repair Plan No. Appears in RPMM No. Col					
				•	-	<del></del>		•	O 40., 300 AO., 810.			
	4.	Identifica	tion of System	Reactor	Coolant	System	m (07) (Class 1) Starealtion Olumn Addenda, Code Cases N/A					
	5.	(a) Appli (b) Appli	cable Construction (	of Section XI U	ilized for R	epairs or Re	placements -	_ 19 <u>_ 77, _</u>	Addenda, Code S <sup>1</sup> 78 Addenda, Co	de Cases N/A		
	6.	Identifica	tion of Compo	nents Repaired	or Replaced	7	placement Components					
	_	ame of	Name of Mfr.	Mfrs. Ser.	Nat'l. RPMM Bd. No	1	Other Identi-	Year Built	Repaired, Replaced,	ASME Code Stamped		
	Ç.	inponent.	''''' <b>'</b>	110.	No.	No.	fication	Dunc	or	(Yes or No)		
			Copes				Line#		Replacement	N 11000 D16 516		
(I)	PCV	-455B	Copes Vulcan		N/A	86-004	14	Unkn.	Repaired	No USAS B16.5'6		
2		-8010A	Crosby		N/A	85-168	729	Unkn	Repaired	No Draft P&V'68		
(3)	\$t1	n Bolti	g W	1161-1164	68-89 T 68-92	0 85-031	Primary Manways	1970	Repaired	Yes ASME III		
Ÿ												
						<u> </u>						
n.												
	7.	Danadasi	on of Work	) Lanned B	Ronnet S	eating	Surface	2)Lappe	ed Disc.(3) Ma	chined bolts		
	8.	Tests Cor	ducted: H	ydrostasic 🔲	Pneumatic	mr. A 🔲	inal Operatin					
	9.	Remarks	to facil	itate elo	ngation	tests.	<u>Re</u> q <sub>F</sub>					
	<i>J</i> .			cturer's Data Repor								
• •					CERTI	FICATI C	OF COMPLI					
			t the statement	s made in this n	port are co	rrect and th		air	confor	ms to Section XI of the		
		ME Code.	ReT.	Rha.	PLANT I	MANAGER	/ /	/ 2	, 19_86_			
	•	ned <u> </u>	HORNRERRY	er's Designee)	, 2,,,,,	Titie	<del>~ (</del>	)ete)	, 19			
		Na_Va_I	HOMPENNI		CERT	FICATE	OF INSPEC	TION				
	 	the undersi	aned, haldina	a valid commis					nd Pressure Vessel In	spectors and the State		
	ļ	Province of	0-1:0-		emplo	1	HSB I &	I CO.		of		
		Hartfor	d CT	eve inspected th		•	describ	ed in this R	eport on 6	/3 1986		
	and	state that			(Repairts)	or Replaceme	ព(ន)]		•	ance with Section XI of		
										ed or implied, concern-		
									or his employer shall i ith this inspection.	be liable in any manner		
	1		86 R	74 July	neva		Commis	C A	1419, NB 869			
	<u></u>		<u> </u>	. Johnson	(Inspector	)			(State of Province, N	Stious Rosici		

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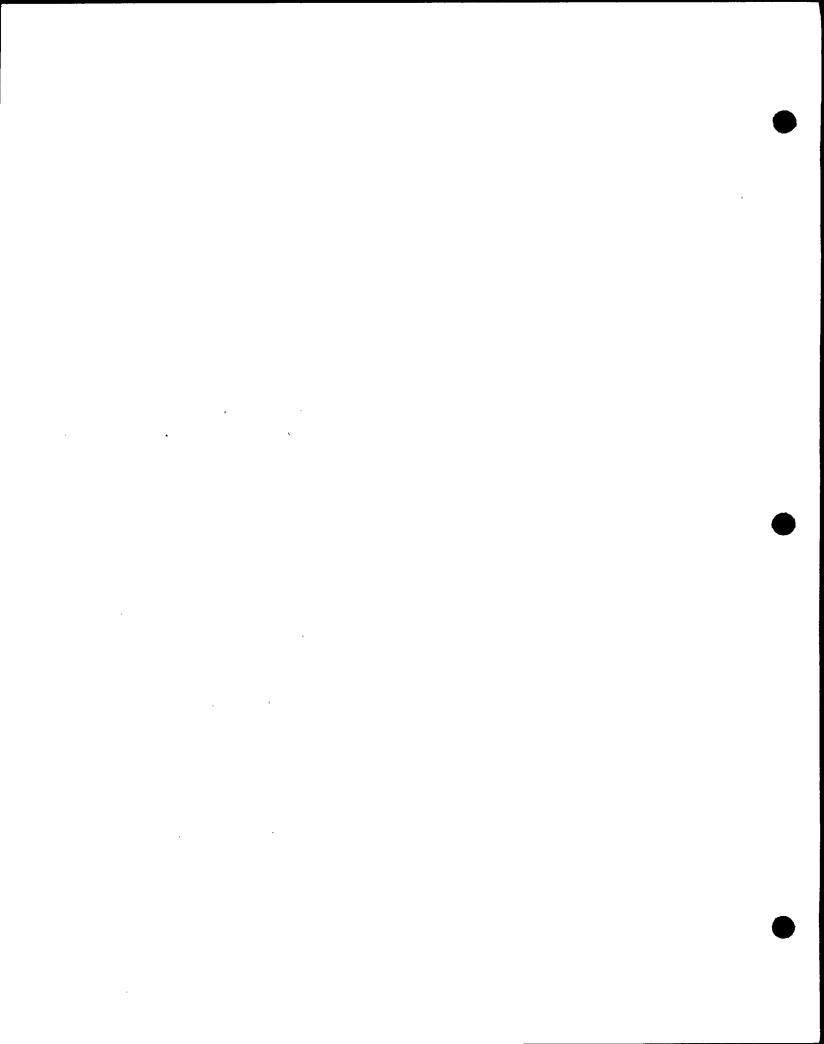
-								***		400 5-			
	1.	Owner	Pacific Ga	s & Elect	<u>ric Cor</u>	<u>poratio</u>	n	Dat	<u>June 2, </u>	1986			
			77 Beale S	St. San F	ancisco	, CA 9	4106	She	1	_of1			
	2.	Plant	DIABLO CAN	NON (AC	Cress)		Unit_#2						
	-	P.O.	Box 56. Av	/ila Beach	. CA 9	3424	V						
	_		R	chtel Pow	or' Corn		dof	No. 16	5293				
	3.	Work Pen	ormed by De	0. Box 67	Rei Ausa	a Parch		Organization P	.O No., Job No., etc.				
			P_	Reactor	O AVII	a beach	, UM . /07\/03						
	4.	Identifica	tion of System.	Keactor	Coolan FF P&V	<u>t Syster</u>	11 (U/)(C) Edition,	N/A		N/A			
	5.	(b) Appli	cable Edition o	of Section XI Ut	ilized for F	Repairs or R	epiacements :	<b>- 19_77.</b> -	Addenda, Co S78_Addenda, C	de Cases N/A			
	6.		b) Applicable Edition of Section XI Utilized for Repairs or Replacements — 19 <u>77, \$78</u> Addenda, Code Cases N/A dentification of Components Repaired or Replaced, and Ruplecement Components										
	Nı	me of	Name of	Mfrs. Ser.	Nat'l.	14-4%	Other	Year	Repaired,	ASME Code			
•	Con	nponent	Mfr.	No.	Bd.	No.	Identi-	Built	Replaced,	Stamped			
					· No.	'	fication		Or Replacement	(Yes or No)			
n B	eac 001	tor				<del> </del>			i representati				
			W	713	N/A	105 (122	Support	<u> </u>	<u> </u>				
S	upbo	ort C	l M	713	11/ //	05-1 25	Captor	Unkn.	Repaired	No			
						<u> </u>							
	•												
_						<del>                                     </del>		• .					
	la d					<del></del> _		<u> </u>		<u></u>			
	<sup>7</sup> 7.	Description					n Bolt Washer Plate On Support C.						
	8.	and the second of the second o											
	9.	Pressurepsi Test Temp,*F											
			Applicable Manufa	cturer's Data Report	s to be attach	ed)							
					CERTI	FICATE	F COMPLI	ANCE		· · · · · · · · · · · · · · · · · · ·			
	Wed	certify that	the statements	made in this re	port are co	rrect and t	is Repa		confc	orms to Section XI of the			
	ASA	AE Code.	700	100	_		-	DOLL OF TROUBCO	ment)	-			
	Sign	redC	Owner or Owner	7	$\frac{P}{P}$	LANT MAI		6/2	. 1986.	····			
	_R	C. TH	ORNBERRY			11(14)	····	s.(8)					
					CERT	IFICATE	OF INSPEC	TION					
	1, 11	ne undersig	ned, holding a	valid commiss	ion issued	by the Na	tional Board	of Boiler a	nd Pressure Vessel	Inspectors and the State			
			Californ				HSB I & 1			of			
		artford	CT	ve inspected the	Dana			ed in this R		13 1986			
	and	State that			(Repains)	or Replaceme	nt(8)]			dance with Section XI of			
	the	ASME Co	≠. By signing	this certificate,	neither the	tilis repair o	nor his emplo	yer makes a	onstructed in according warrendly, expre-	ssed or implied, concern-			
	ing	the repair (	or replacement	described in thi	Report, F	urthermore	, neither the l	Inspector no	r his employer shal	I be liable in any manner			
	Cor	6/3/	er injury or pro	perty damage of	raioss of a nza				ith this inspection. 1419, NB 86	i94			
	Lost		1. K. K	. Johnson	(Inspector	7	Commiss	ions	(State or Province.				



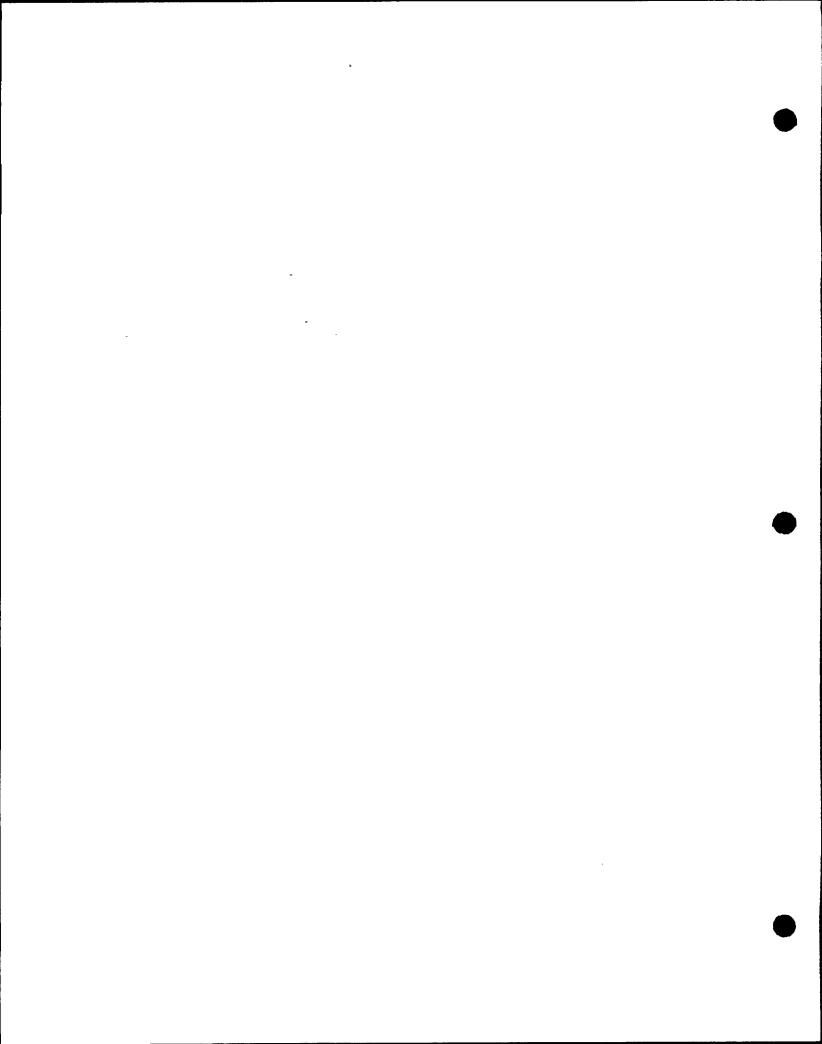
D	1.	Owner		Gas & Ele			ion	Dete	June 2 , 19	86	
•			77 Beal	e'St. San <sup>™</sup>	Francis	co, CA	94106	Shee	10	1	
	2.	Plant	DIABLO	CANYUN			Unit_# 2				
		-		ila Beach,	CA 93	424					
	3.	Work Peri	formed by 0	wner	ne:				No. Appears I	n RPMM No.	Col.
			****	•				•	J 40., 305 A0., 4(E.	•	
	4.	Identifica	tion of System	Reactor	Coolant I B21 7	System	(07) (C1 Edition.	ass 1)		- N//A	
	5.	(b) Appli	cable Edition o	of Section XI Ut	ilized for R	epsirs or Re	Edition, epiecements :	- 19 <u>77</u> . <u>S</u>	Addenda, Code 178 Addenda, Cod	Cases N/A	<del></del>
	6.	Identifica	tion of Compo	nents Repaired	or Replaced		cement Com	ponents		1	<u></u>
		ame of	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd.	RPMM	Other (denti-	Year Built	Repaired, Repiaced,	ASME Code	
					No.	No.	fication	boint	or	Stamped (Yes or No)	•
							Line#		Replacement	- <u>.</u>	
(I)	RC	)-409	Owner		<del></del> -	85-103		Unkn.	Replacement	No	
(2)		) <del>-408</del>	Owner			85-102		Unkn.	Replacement	No	
(3)	RC	)-407	Owner			85-101	3799	Unkn.	Replacement	No	
4		<del>-406</del>	Owner			85-100		Unkn.	Replacement	No	
(5)		ermal ield	Engineer				Facking	1972	Replacement	Yes ASME	III
6	. B	anway 21t	<u>W</u> .	1161	68-89	85-040	Stm. Gen 2-1	1970	Replacement	Yes ASME	III
Æ,	7	Description	on of Work	234	Replace	d restr	icting or	rifice a	nd bolting	•	<del></del>
<b>U</b>	8.	Tests Con	ducted: Hy		Pneumetic	□ Nomi	inal Operating			<del>- 7</del>	
	9.	Remarks_			•	Temp					
	7.	(Cont)	(5) Repla	ced lockin	d CSD 0	n lower	interna	1 therma	1 shield (6) l	Replaced on	e bolt
		on Ste	eam Genera	tor 2-1 Pr	imary m	anway c	over (ho	t leg).			
					CERTI	FICATE O	F COMPLI				
•	We	certify that ME Code.	the statements	made in this re	port are cor	rect and thi		acement	conform	s to Section XI of	the
		ned 7	2071	elina.	PLANT N	IANAGER	6		. 19 <u>. E5</u>		
			HORNBERRY	r's Designee)		Title	(0)	K9)			
1		<del></del>	IDINID CINY	<del></del>	CERTI	FICATE O	OF INSPEC	TION	<del></del>	·	
	l. t	he undersig	ned, holding a	valid commiss					d Pressure Vessel Insp	vectors and the S	
		Province of_	Califor	nia	, employ	-	ISB I & I	CO.			_0f
		Hartford	d, CT he	ve inspected the	Repla	cement	describe	d in this Re	port on 6/3		86
- 1	and	state that	to the best of	my knowledge a	Reparts of and belief, t	or Replacemen his repair of	replacement ((8))	has been co	nstructed in accordan	ce with Section X	I of
	the ing	the repair of	æ. By signing % le≎iøcement:	this certificate, aescribed in this	neither the Report, Fu	Inspector n	or his employ neither the f	yer makes an nspector nor	y warranty, expressed his employer shall be	or implied, conc	ern-
	for	any person	injury or pro	perty damage or	a loss of ar	ny kind arisi	ing from or co	onnected wit	th this inspection.	THE STREET	
	Dat	<u> </u>	R. K	Johnson	mea unapectori		_ Commissi	ions <u>CA</u>	1419, NB 8694 (State or Province, Nati	one Boardi	



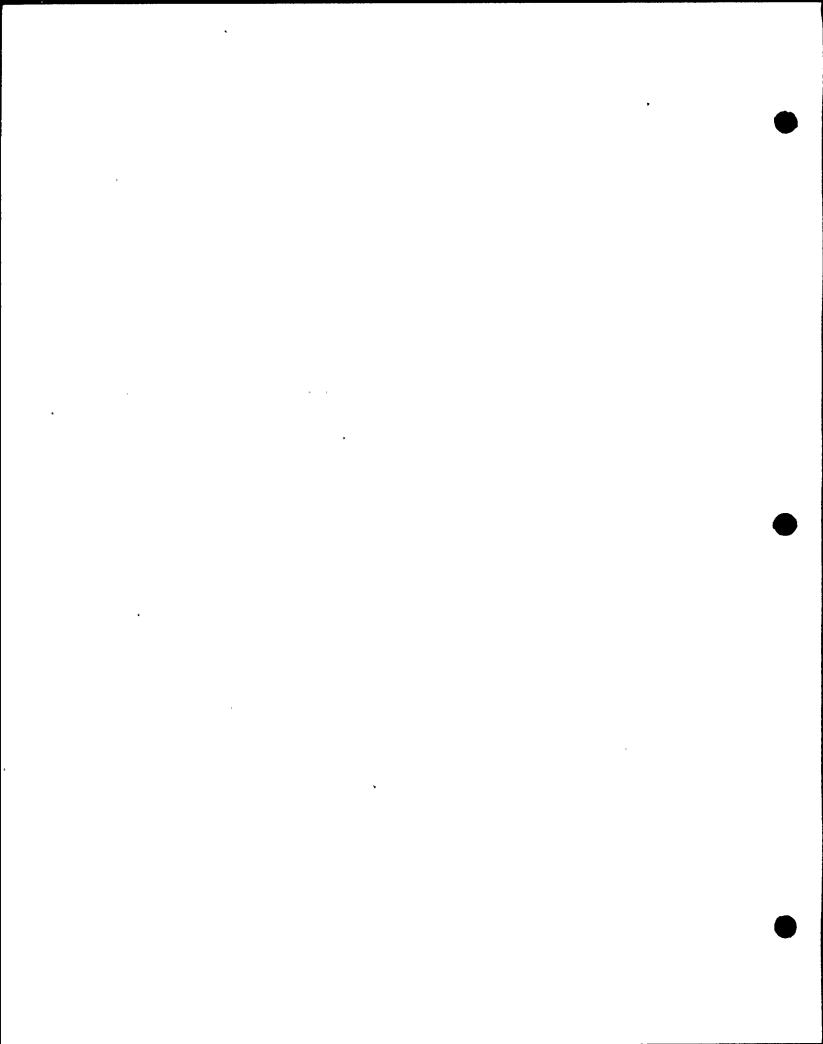
1	Owner		Gas & Ele				Date	June 2,	1986
		77 Beal	e St. San"	Francis	co, CA	94106	She	11	of
2.	Plant	DIABLO (	CANYON	DOFBS.B.		Unit # 2			<del></del>
_	P.O. B	ox 56, Av	ila Beach,	CA 93	424				
3.		ormed by 0	wner	rmes				No Appears	In RPMM No. Col.
		<del></del>	Reactor	rest, lant	Suctom	(07) (0	lace 1)		
4. 5.	Identificat	tion of System.	tion Code Se	e Below.	Code S	tamp, col	umnyA	Addenda Co	de Casas N/A
٥.	(b) Appli	cable Edition o	of Section XI U	tilized for R	epairs or Re	placements -	<u> </u>	78 Addends, C	ode Cases N/A
6.	Identifica	tion of Compo	nenti Repaired	or Replaced	, and Repla	coment Com	ponents	,	
	lame of imponent	Name of Mir.	Mfrs. Ser. No.	Nat'l, Bd. No.	RPMM No.	Other Identi- fication Line#	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1	72-19SL	Anchor Darling	146	IN/A	86-008		Unkn.	Replaced	Yes ASME III N
0	70-27SL	Anchor	159	IN/A	86-008		Unkn.	Replaced	Yes ASME III N
	72-20SL		189	N/A	86-008		Unkn.	Replaced	Yes ASME III N
$\leftarrow$	70-31SL	1	340	N/A	85-033		Unkn.	Replaced	No ANSI B31.7
><	<del>70-313E</del> 412 <b>-</b> 43Sl		1537	N/A	85-034	24	Unkn.	Replaced	No ANSI B31.7
		<del>i</del>	937	N/A	85-035		Unkn.	Replaced	No ANSI B31.7
<u>(6)</u>	70-30SL	PSA			$\overline{a}$	<u> </u>	<del></del>	<u> </u>	<u></u>
M.		on of Work		1)(5)(6)		<u> </u>	ced Snub		····
	Tests Con		ydrostatic 🔲	Pneumatic	Nom	ina! Operatin	g Pressure (	Other D	
9.	Remarks					'			
	· · · · · · · · ·	Applicable Manuta	cturer's Data Repo	TE IO DE ATRICH	<b>1</b> 00				
				CERTI	FICATE C	OF COMPL			
		the statement	s made in this r	eport are co	rrect and th		lacement		orms to Section XI of the
	iME Code.	207	Klim	PI ANT	MANAGER	6		19 E6	
Sig	ned	HOUR DE DON	era Designees	)	Titre		Des en	. 19_20	
	R. C. T	HORNBERRY				05.11.0554			
						OF INSPEC		_	
- 1		C-1:50				rional Board HSB I &		nd Pressure Vessel	Inspectors and the State
or	Province of. Hartfor	d CT		07	Aed pA				5/3 19.86
-		······································	eve inspected ti	(Repains)	acement or Replaceme	ntisi)	ed in this A		
									dance with Section XI of seed or implied, concern-
ing	the resail	i. iesiecement	aescribed in th	is Report. F	urthermore	, neither the	Inspector no	or his employer shall	be liable in any manner
fo	rany person	injury or pro	perty damage	or a loss of a	ny kind aris	-	CV	ith this inspection. 1419. NB 869	an
D:	10 10/ 3/ E	R. K	Jøhnson	IInspector	3	Commis	sions <u>CA</u>	(State or Province	



3 4 2 2 3 70	1. 0	Owner	Pacific	Gas And E	Electric	Corpor	ation	D/	ATE June 2,	1986		i	
3 4 2 2 3 70			77 Beal	e Street,	San Fra	ncisco,	CA 941	<u>06</u> Sł	HEET 2 OF	2			
2 41 2 41 3 70 3 70 3 70 3 70 3 70 3 70 3 70 3 7	2. F	Plant	Diablo	Canyon Uni	it #2				•				
2 41 2 41 3 70 3 70 3 70 3 70 3 70 3 70 3 70 3 7			P. O. B	ox 56, Avi	ila Beac	h, CA	93424		, —				
41 70	3. h	dork P		By Owne									
41 70						tor Coo	lant Sys	tem (07)	(Class 1)				
2 (41 (3) 70					<u></u>		Tano Sys	<u> </u>	<u> </u>		-		
70	Name ( lompor	nent	Name of Mir.	Mfrs, Ser, No.	- Nat'l, Bd. No.	RPMM No.	Other Identi- fication Line #	Year Built	Repaired, Replaced, or Replacement	S	ME Code amped s or No)		
< ─			Anchor Darling	294	N/A	85-38	1195	Unkn.		Yes	ASME		
	0-219		PSA	1389	N/A	85-39	3798	Unkn.	Replaced	No	ANSI		
	1-249	SL	Anchor Darling	113	N/A	85-43	15	Unkn.	Replaced	Yes	ASME	<u> </u>	NF
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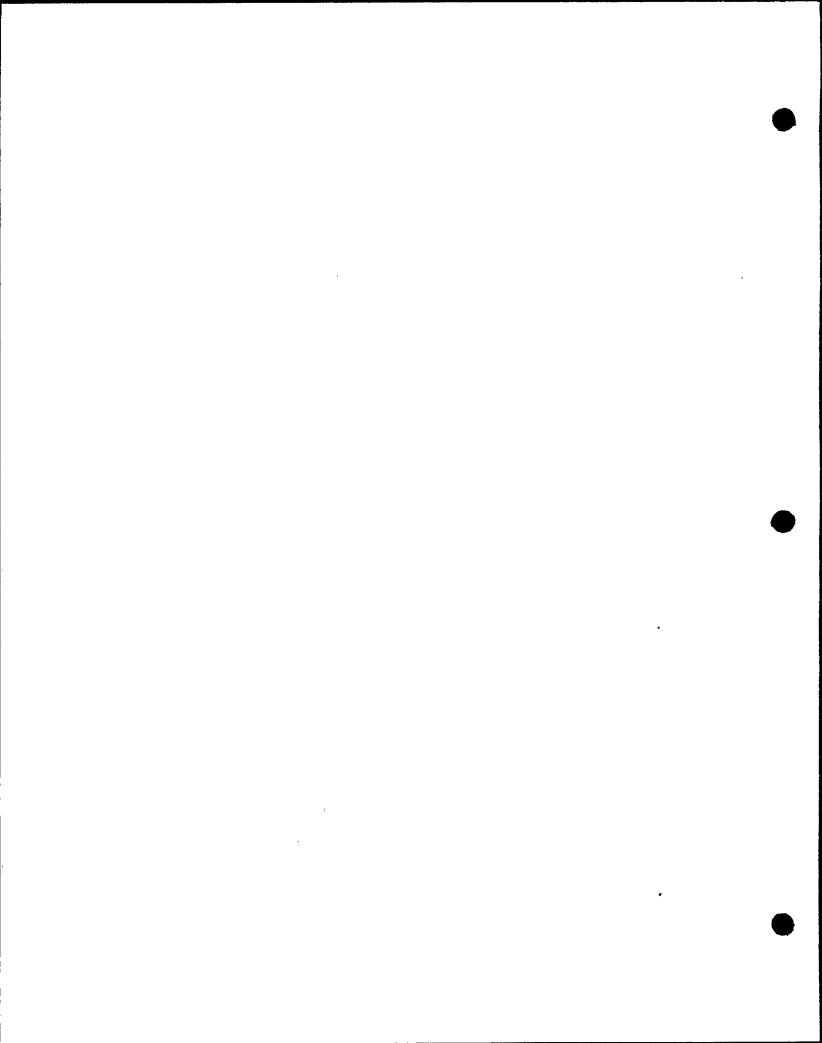
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	1. Owner_	Pacific Ga	as & Elect	ric Cor	poratio	n	Date	June 2 , 1	1986
		77 Beale S						1	
		DIABLO CAI	NOVY	OCTESS)		Ųnit_#2			
н	P.O.	Box 56, A	vila Beach	, CA 9	3424	Ş <u>.</u>			
	3. Work Per	formed by Bo	echtel Pow	er' Corp			No. 16	293	· · · · · · · · · · · · · · · · · · ·
		P	:0 Box 67	Ό". Αvil	a Beach	- LA		O No., Job No., etc.	
	4. Identifica	ntion of System	Chemica	1 & Vol	ume Cont	trol Syst	em (08)	(Class 1)	NI / N
	(b) Appl	icable Construction of	f Section XI U	tilized for F	Repairs or R	eplacements -	<b>- 19_77.</b> _	Addenda, Cod S78_ Addenda, Co	e Cases N/A
٠,	6. Identifica	tion of Compo	nents Repaired	or Replace	d, and Repla	cement Com	ponents		
	Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. - No.	RP-PT	Other Identi- fication	Year Built	Repaired, Replaced, or	ASME Code Stamped (Yes or No)
	Hanger	Pullman		N/A	85-060	line# 54,1479	Unkn.	Replacement Repaired	l No
W)	_564 <u>263</u>	1 Pulliman			p3-000	34,1473	Olikii.	Keparrea	1 10
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		!			<del> </del>				<del></del>
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Th.	<del></del>			<u>!</u>	<u> </u>			<u> </u>	J
<b>W</b> .			Ground s						
	8. Tests Cor	noucted: My Pn	rdrostatic 🔲	Pneumatic psi Test	Temp	inal Operation	g Pressure L	Other 🗆	
	9. Remarks.	(Applicable Manufa	cturer's Data Repor	ts to be attach	<b>◆</b> Ø)		<del> </del>		
		<del></del>		·· +					
•				CERTI	FICATE (	OF COMPLI	ANCE		
	We certify that	t the statements	made in this re			. Repa	ir	confor	ms to Section XI of the
	ASME Code.	0 00	Q1_		٠.	(**	pair or replacen	nent)	
	Signed	10wner or Owne	r's Designee)	, P	LANT MAI		6 / L	<u></u> , 19 <u>86.</u>	<del>-</del> .
1	<u> </u>	ORNBERRY						<del></del>	<u></u>
	1 the under-	ned beldles -				OF INSPEC			
		Califorr	i valio commisi 11a	emple:	by the Nat	HSB I & T	of Boiler ar	nd Pressure Vessel in	expectors and the State
	Hartford	, CT	ve inspected th	REP	AIR	describe	od in this Ba	eport on6/3	3 1986
į	and state that	to the best of	my knowledge	(Repairs) and belief. 1	or Replaceme	nt(s)) r replacement	has been co	Instructed in accords	ince with Section XI of
l	the ASME Co	ce. By signing	this certificate,	neither the	Inspector i	nor his emplo	ver makes ar	iv warranty, express	ed or implied, concern-
	tot and bettou	or iensecement	perty damage o	s neport. F galoss of a	urtnermore ny kind aris	, neither the I ing from or c	onnected wi	th this inspection.	be liable in any manner
	Date <u>6/3/9</u>	36 Th.	14 Und	nson		Commiss		1419, NB 869	
1		L/ • L	001813011	(mapació)	,			(State or Province, N	Eliforin Domoi



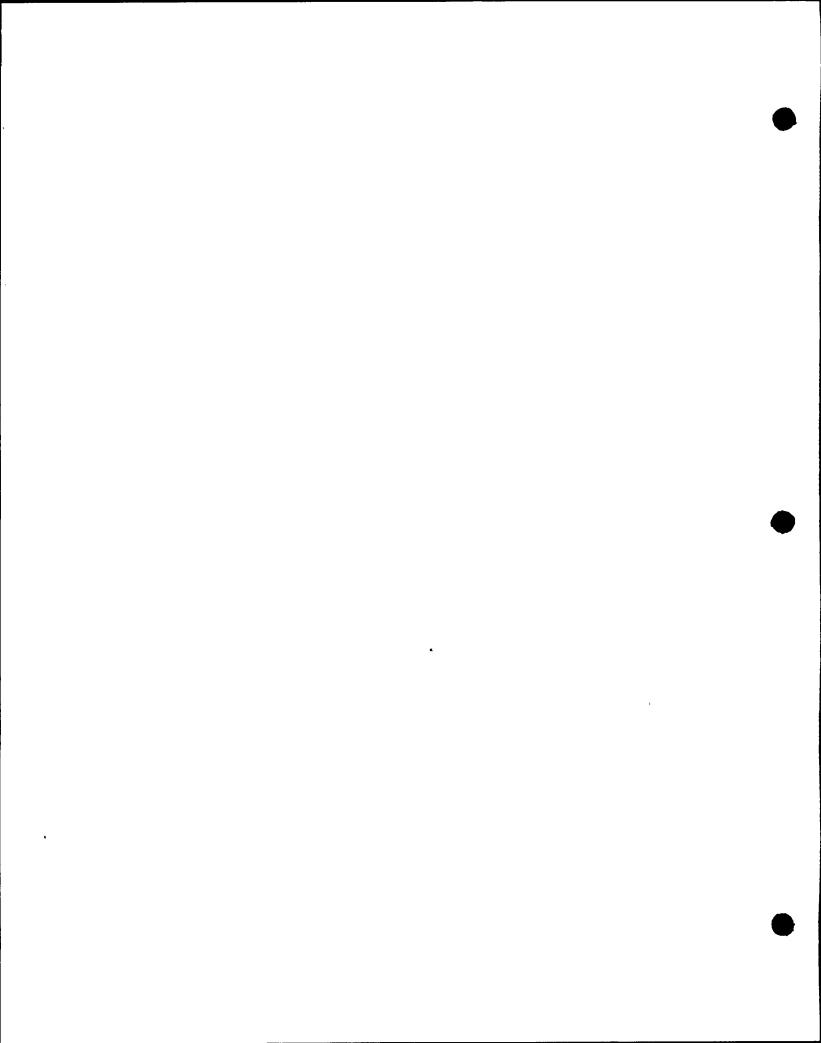
$lackbox{1}_{1}$	Owner	Pacific	Gas & Ele	ctric C	orporat	ion	Dat	June 2 , 19	986		
••		_77 Beal	e St. San N	Francis	co, CA	94106	She	1	, 2		
2.	Plant	DIABLO (	CANYUN	oguesti.		Unit # 2					
	<u>P.O. B</u>	ox 56, Av	ila Beach,	CA 93	424				¥-		
3.	Work Perf	formed by 0	Muer Nuerensi					n No. Appears	In RPMM	No.	Col.
			(NA	·		-	•	.O No., Jos No., etc.	•		
4.	Identifica	tion of System.	Chemical	<sup>™</sup> Volum	ne Contr	ol Syste	m (08)	(Class 2) (Cl	ass1)*		
5.	(a) Appli	cable Construct	tion Code <u>Sec</u>	Below	19 Code	Stamm:ion.	Column	Addenda, Code	Cases	<del></del>	
6.	ldentifican	capie Edition o tion of Compor	nents Repaired	nized for H or Replaced	repairs or Hi s, and Repla	episcements : cement Com	는 19간소, 인	Addenda, Code Addenda, Cod	se Cases	• • • • • • • • • • • • • • • • • • • •	
N.	ame of	Name of	Mfrs. Ser.	Nat'l.	RPMM	Other	Year	Repaired,	ASME		
Cor	nponent	Mfr.	No.	Bd.	No.	Idemi-	Built	Replaced,	Stamp		•
				No.		fication		or Replacement	(Yes or	No)	
) BCE	<u>, ,</u>	Pullman	N/A	N/A	85-82	Seal Lines	Unkn.	Replace bolts	No A	NSI	<u>B31</u> .
) 838	37 <b>8</b>	Velan	N/A :	N/A	85-109	1474	Unkn.	Replace valve	No L	JSAS	B16.
) Val	ve 8100	Anchor	N/A	N/A	85-111	3791	Unkn.	Replace bolts	No L	JSAS	B16.
		Grinnel		N/A	85-114	736	Unkn.	Replace bolts	No L	JSAS	B16.
) <u>Val</u>	37B	Velan		N/A	85-122	1474	1985	Replace plug	No L	JSAS	B16.
FTE	5. 144 5. 143			N/A	86-006	EALL		Replace bolts		NSI	
9.	Description Tests Cond 2 5 Remarks_ Replace	ducted: Hy Pre	drostatic 🖾	Pneumatic psi Test	Nomi	nal Operation — *F			5) Repla		
Cont.	. <u>d)</u>										<u>=</u>
•				CERTI	FICATE O	F COMPLI		1			
	certify that ME Code.	the statements	made in this re	port are co	rrect and thi		acement		s to Section	XI of ti	he
Sign	75	RPT	Phy	PLANT N	1ANAGER	6	12-	, 19£5			
-		ORNBERRY	"s Designees		Title	0	61(6)	, 18	<del>-</del>		
		Dimperity	<del></del>	CERTI	FICATE O	OF INSPEC	TION			<del></del>	
1, 11	ne undersig	ned, holding a	valid commiss	ion issued	by the Nat	ional Board	of Boiler ar	nd Pressure Vessel Ins	pectors and	the Sta	te
1	rovince of_		<u>nia</u>	, employ	red by	ISB I & I	co.		<del>,</del>		of
	Hartford	i, CT he	ve inspected the		cement		ed in this R	port on	<u>/3</u>	_, 19 <u>8</u>	6
				ind belief, t		replacement		onstructed in accordan			
ing	the repair c	e. OV signing ! Il itolectment (	ous ceruncate, described in this	neither the Report, Fi	inspector fl urthermore,	or his emplo neither the l	nspector no	ny warranty, expressed r his employer shall be	s or implied, I liable in an	concer mann	er
for	any persona	injury or proc	perty damage of	a loss of a	ny kind arisi	ng from or c	onnected wi	th this inspection.		-	
Date	6/3/8	6 7C.70	Sohnson	(Inspection		Commiss	ions <u>CA</u>	1419, NB 8694	IONAL BOATS		-
			0011113011								

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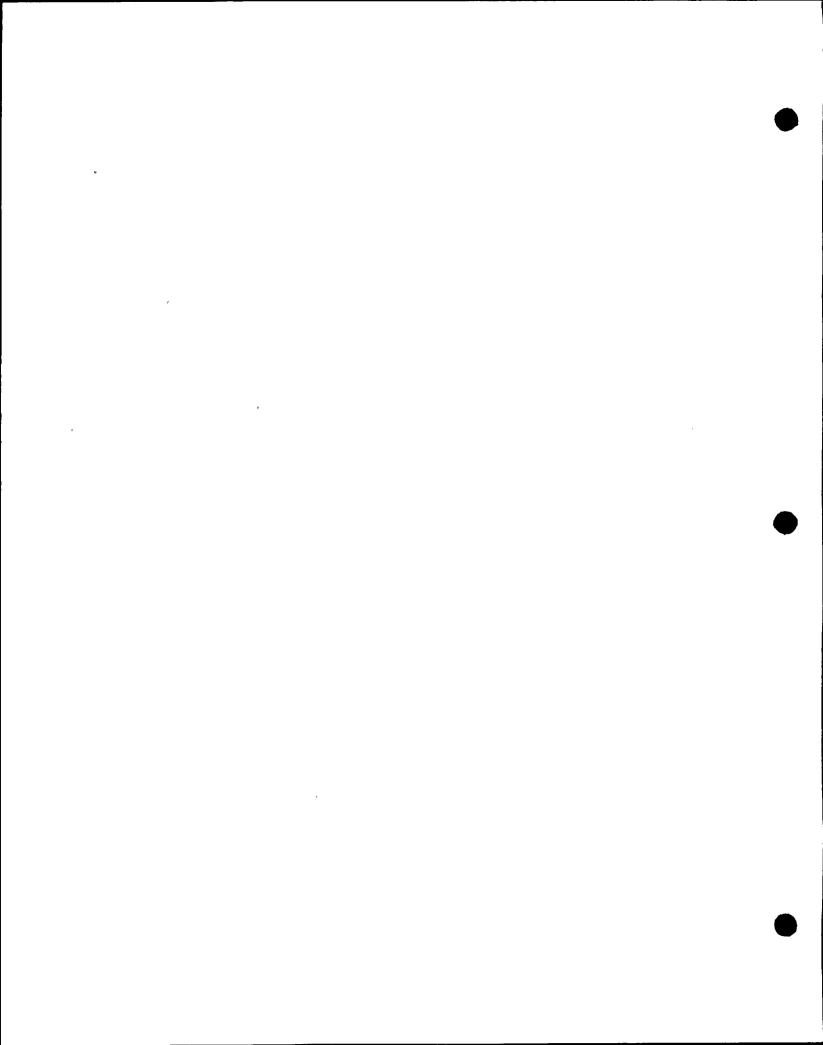
	1. Owner	<u>Pacific</u>	Gas And	Electric	Corpor	ation		ATE June 2,	1986	
	h	77 Beal	e Street,	San Fra	ncisco,	CA 941	.06 5	HEET 2 OF	2	
		Diablo	Canyon Un	it #2				·	••	
		P. O. B	30x 56, Av	ila Bead	h. CA	93424				
	3. Work	<del></del>	l By Own			,				
									* 0) /0]	
	4. Ident	itication	of System	m <u>Cnem</u>	ical & V	olume Co	ntrol S	System (08) (C	lass 2) (Clas	<u>s 1)*</u>
	Name of Component	Name of Mir.	Mfrs. Ser. No.	Nat'l, Bd. No.	RPMM No.	Other Identification	Year Built	Repaired, Replaced, or ' Replacement	ASME Code Stamped (Yes or No)	-
7)	84 8A	Blax		N/A	86-021			Replace Bolts	No USAS B16	.5
8	B.A. Xfr. Pump 2-1					•		l		- -
	Suction Flange			N/A	86-014	69		Replace Bolts		.7
<	RV 8121	Crosby		N/A	85-046			Replace Bolts		<u>.</u> 5
<u>(0)</u>	RV 8117	Crosby		N/A	85-049			Replace Bolts		_
<u>)</u>	78-76SL	PSA Anchor	1278	N/A	85-057		<u> </u>	Replaced	No ANSI B31	-
.2)	75-8SL	Anchor Darling	110	N/A	85-066	48	<u> </u>	Replaced	Yes ASME III	NF
	3,		<u> </u>	<del>                                     </del>			<u>!</u> }			-
	<u> </u>			i		·				
							19 K			•
		<u> </u>	j							
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				! !	<del></del>			1		•
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		,		<u> </u>	<del>i                                    </del>	•		-		•
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	<u>i</u>	<u> </u> j					<u> </u>	<u> </u>		
	<u> </u>	<u> </u>						[		
			v							
							`			



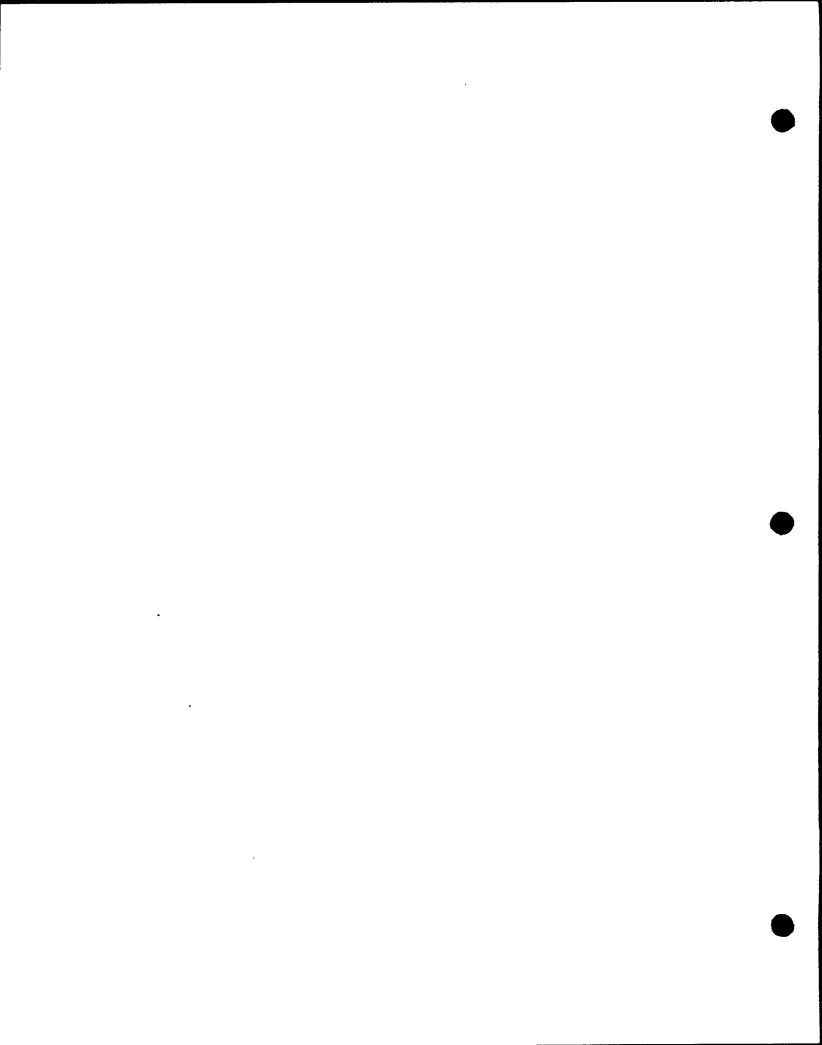
1. Owner_		Gas & Elec		_		Date	June 2,	<del></del>	
		St. San F	rancisco cressi	o, CA S		Shee	r <u> </u>	of1	—
2. Plant P.O.	DIABLO CA	ANYON vila Beach		3424	Unit_#2_				
3. Work Pe	R	echte ( Par Box 67	er Corp 0', Avil	a Beach	, CARepair C	No. 16 Organization P.	O No., Job No., etc.		
5. (a) App (b) App	ation of System licable Construc licable Edition (	Chemica	Below 1	ume Con gCode S epairs or Re , and Replace	trol Sys tampuition, placements	tem (08 Column - 19 77, S	) (Class 2)  178 Addenda, Coc Addenda, C	le Cases N/A ode Cases N/A	<u> </u>
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)	
FT-113	Taylor			85-091	733	Unkn.	Replaced	No ANSI E	
78-99SL	PSA			85 <b>-</b> 042	55	Unkn	Replaced	No ASME I	
									<u> </u>
	P	ydrostatic 🚨	Pneumatic psi Test	☐ Nomi Temp	inal Operatin		ubber D Other D		
·									
We certify th ASME Code.	CTR	is made in this re	port are co		GER	acement paur or replace G -		orms to Section XI of	the
		a valid commis	sion issued	by the Nat	OF INSPEC		nd Pressure Vessel	Inspectors and the S	
or Province of Hartfor	d, CT	eve inspected th	Repla	yed by acement or Replaceme	describ	ed in this F		, 10	_of 86_
the ASME C ing the repai	ode. By signing r or replacemen	this certificate, t described in th	, neither the is Report, F	Inspector i	nor his emplo , neither the	oyer makes a Inspector na connected w	iny warranty, expre or his employer shal out this inspection.	dance with Section X sted or implied, conc I be liable in any man	ern.
Date 6/3/	186 12.2 R.	01 / 1 A	283		Commis	(	(State or Province.		, <b></b>



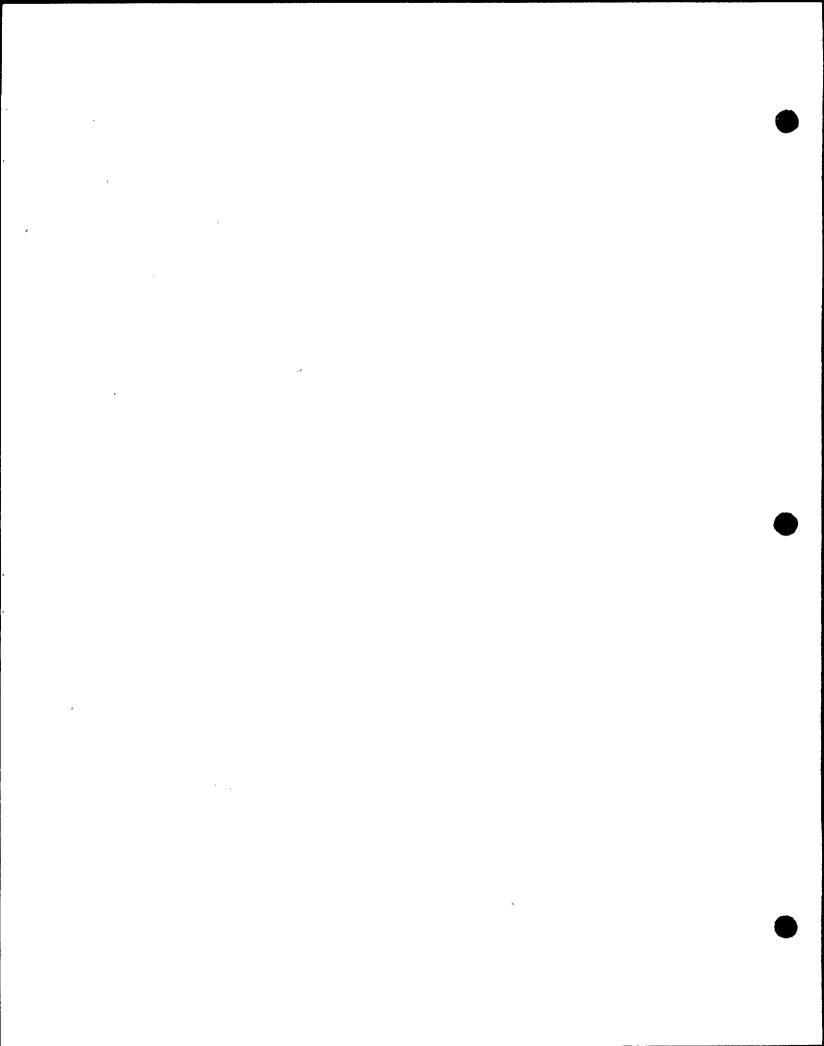
1.	Owner		Gas & Ele St. San <sup>™</sup>				Date	1	1
				<u>Francis</u>	CO, LA	94106	Shee	rt	of1
2.	Plant	DIABLO (		00 03	424	Unit_#2			
			ila Beach,	<u> </u>	424	Pan	air Plan	No. Appears	In RPMM No. Co
3.	Work Perf	ormed by0	yner (Ne	me)				O No., Job No., etc.	111 ((1111 1101 00
		<del></del>	Co.f.o.t. (Add	resa)	n Cuata	- (nn) (n	1200 21	ų	
4. 5.	(a) Appli	cable Construc	Safety See	s Relow	is code	State Dition.	COTUM	Addenda, Cod	e Cases N/A
•	(b) Applie	sable Edition o	f Section XI U	tilized for R	epairs or Re	placements -	_ 19 <u>_//,</u>	S178 Addends, Co	ode Cases <u>N/A</u>
6.	identificat	Name of	Mfrs. Ser.	Nat'l.	RPMM	Other	Year	Repaired,	ASME Code
	nponent	Mfr.	No.	Bd.	No.	identi-	Built	Replaced,	Stamped
				No.		fication Line#		or Replacement	(Yes or No)
an b	ulator	Delta Southern	41058- 70-1	2688	85-143	Pen. G	Unkn.	Repaired	Yes ASME I
ccum	ulator 2-2	Delta	41058- 70-1	2688	86-023	Pen. D	Unkn.	Repaired	Yes ASME I
oace		MeW1ogg		N/A	85-087		Unkn.	Repaired	No ANSI B3
, <del>, , , , , , , , , , , , , , , , , , </del>	h.1000	1.01-1-33							
_		(1	) Penetra	tion Cou	pling f	or fill	line re	paired ② Pe	netration (See
7. 8.	Tests Con	on of Work	drostatic 🗆	Pneumatic	□ Nom	inal Operation	a Pressure	Other 🗆	Remar
9.	Remarks	Coupling	for sample	paj Test e line r	Temp. repaired	(3) 0xi	de depos	sit removed f	rom OD of pipe.
0.	(	Applicable Manufa	cturer's Data Repor	ts to be attach	<b>o</b> đ)				
		·							
>				CERTI	FICATE (	OF COMPL			
	certify that ME Code.	the statements	made in this n	eport are co	rrect and th		air spar or replace	ment) confo	rms to Section XI of the
	ned	C. 74	zl.	PLANT I	MANAGER	6,	12.	, 1 <u>9</u> 86	
Jigi.		HORNBERRY	er's Designee)		Title	(0	Dete)		<del></del>
1	\	OMPERM	· · · · · · · · · · · · · · · · · · ·	CERT	IFICATE	OF INSPEC	TION		
1		ned, holdina s	valid commis	sion issued	by the Na	tional Board	of Boiler a	nd Pressure Vessel I	nspectors and the State
	he undersid			emplo		HSB I &			of
		Califor		,,				6	1986
or P	he undersig Province of Hartfor	d CT	eve inspected th	. <u> </u>	epair	describ	sea in this H	eport on	<u>/, 1388-</u>
or P	Province of Hartfor	d, CT h	eve inspected the	(Repairs)	or Replaceme	nt(s)]	oed in this R It has been c	•	· · · · · · · · · · · · · · · · · · ·
or P	Province of Hartford state that ASME Cod	d, CT hi to the best of te. By signing	my knowledge this certificate	(Repairs) and belief, neither the	or Replaceme this repair o Inspector	nt(s)] r replacemen nor his emplo	it has been c oyer makes a	onstructed in according warranty, expres	lance with Section XI of sed or implied, concern-
or P and the ing	Province of Hartford state that ASME Couthe repair	d, CT his to the best of the. By signing or replacement	my knowledge this certificate described in th	(Repairs) and belief, , neither the is Report. P	or Replaceme this repair o Inspector : urthermore	nt(s)] r replacemen nor his emplo , neither the	it has been co oyer makes a Inspector no	onstructed in according warranty, expres	lance with Section XI of



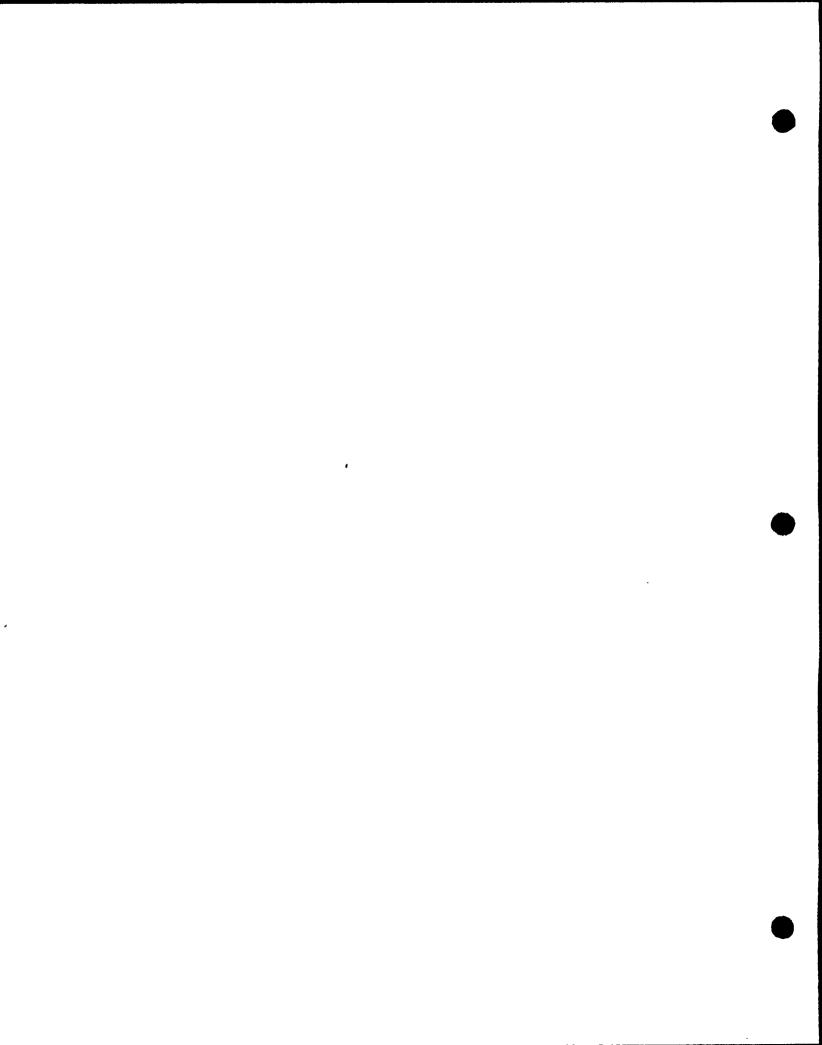
Ò	1.	Owner	<del></del>	Gas & Ele				Dati	June 2	, 1986		
			77 Beal	e St. San"	Francis	co, CA	94106	Sher	, 1	ōf	1	
	2.	Plant	DIABLO	CANYON	00/9981		Unit # 2					
		P.O. I	3ox 56, Av	ila Beach	, CA 93	424						
	3.		formed by 0	(ADCIESS)					No. Appea	rs In R	PMM No.	Col.
	•			(NA	met			-	C No., Job No., etc.		•	
	4.	Idensific	rtion of System	Safety Tr	jection	System	(09) (C	lass 1)				
	5.	(a) App	icable Construc	tion Code AS	ME III	19 NF	Edition,	N/A	Addenda,	Code Cases	N/A	
	6.	(b) Appl	icable Edition o	of Section XI U nents Repaired	tilized for R	lepairs or Ru 1 and Renia	eplacements rement Com	- 19 <u>//</u> , <u>3</u>	Addende, 6	, Code Case	s N/A	
		ame of	Name of	Mfrs. Ser.	Nat'l.	RPMM	Other	Year	Repaired,		SME Code	
	_ `	mponent	Mfr.	No.	Bd.	No.	Identi-	Built	Replaced,		Stamped	•
					No.		fication Line#		or Replacement	C	Yes or No)	
<u> </u>	Şņi	ibber -86SL	Pacific Scientifi	L 29993	1	05 070		Unkn.	Replaced	Yes	ASME	TTT
(I)				i	N/A	85-073			<del></del>			<del></del>
(2)	71.	-46SL	Anchor Darling	122	N/A	86-008	508	Unkn.		Yes	ASME	
3		3-11SL	Pacific Scientifi	c 282	N/A	85-59	282	Unkn.	Replaced	No		B31.7'69
4	<u>73</u>	-2SL	Pacific Scientifi	c367	N/A	85-58	3846	Unkn.	Replaced	No	ANSI	B31.7'69
					1	<u>                                     </u>						
					1							
_			Δ	ll Replac	ced Snub	ber.						
		Descripti Tests Cor	on or work	drostatic 🔲	Pneumatic		inal Operatin	o Pressure [	Other D	<del> : '-1</del>	<del></del>	
			Pr			Temp						
	9.	Remarks	(Applicable Manuta	cturer's Data Repor	ns to be arrache	ගේ			<del></del>		<del></del>	
					<del></del>	<del></del>	<u> </u>		····			
. •,					CERTI	FICATE C	F COMPL	ANCE				<del></del>
	' We	certify the	t the statement	made in this m				acement	~	Marme to Se	ection XI of	the
		ME Code.	0 0-					pair or replacen				<b>,,,,</b>
	Sig	ned	10 me ir bum		PLANT !	MANAGER Title	6	1	, 19{	<u> </u>		
		R. C. T	HORNBERRY	ers Designee)	<u> </u>	1100	(ι.	lete;				
				'	CERT	IFICATE (	OF INSPEC	TION				
	1, 1	the undersi	gned, holding s	valid commis	sion issued	by the Nat	ional Board	of Boiler ar	nd Pressure Vess	el Inspector	s and the S	tate
	)	Province of	C-1:5-		, emplo	ŀ	ISB I & :	I CO.		,		_of
	_	<u> Hartfor</u>	<u>'d, CT</u> hi	rve inspected th	Repl	acement	describ	ed in this R	eport on	6/3	, 19	86
	and	state that	to the best of	my knowledge	end belief, t	or Replacemel this repair of	ntisij r replacemen	t has been co	onstructed in acc	ordance wit	h Section X	il of
	the	ASME Co	de. By signing	this certificate	, neither the	Inspector r	or his emplo	yer makes a	ny warranty, exp or his employer si	ressed or in	plied, conc	ern-
	for	any perso	injury or pro	perty_damage of	or a loss of a	ny kind aris	ing from or c	connected wi	ir his employer si ith this inspectio	nam der mackt N.	ात इति सिक्ष	
	Da	re 6/3/	36 YL.1	14 Julin	209		Commis	CA	1419, NB 8	694		
			K. K	. donnson	(Inspector	1			(State or Provin	ce, National Bo	MT:	4



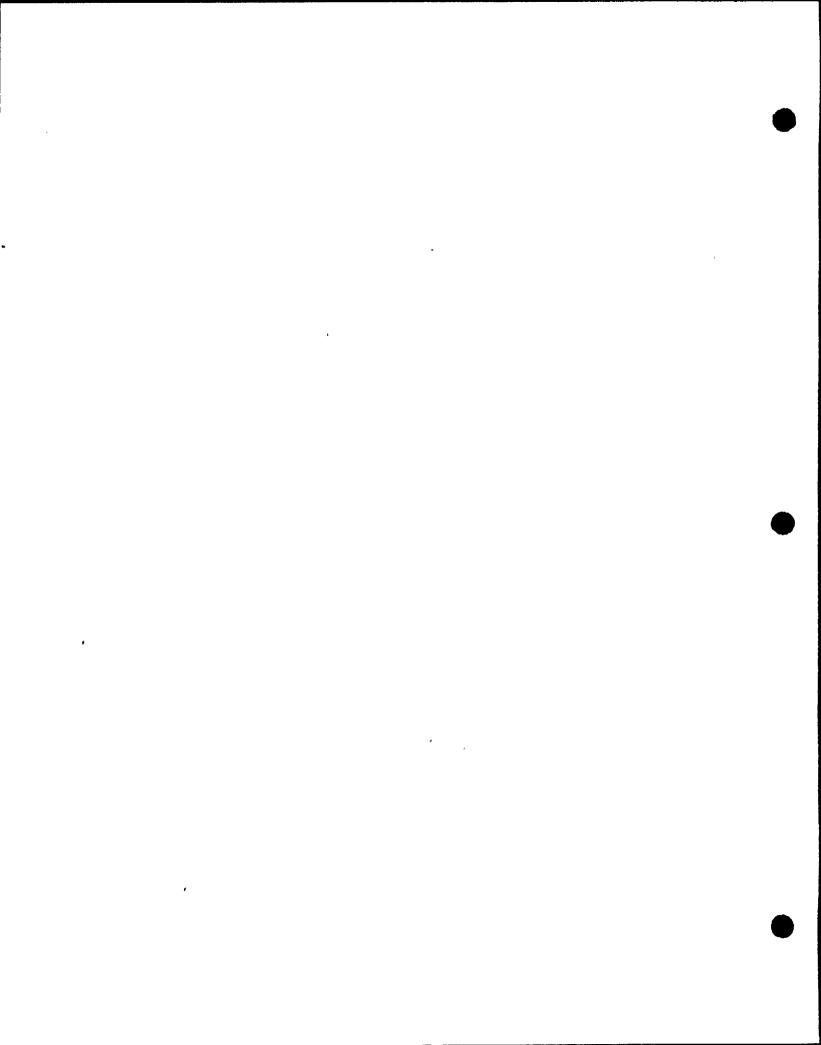
Ĵ	1.	Owner		Gas & Ele				Det	June 2,	1986	
			77 Beal	e St. San 🖰	Francis	co, CA	94106	Sher	. 1	01 1	
	2.	Plant	DIABLO	CANYON "	Orest;		Unit_# 2				
		<u>P.O. B</u>	lox 56, Av	ila Beach,	CA 93	424					
	3.	Work Per	formed by 0	wner					No. Appears	s In RPMN	1 No. Col.
				(Nan	nes		Repair	Organization P.	C No., Job No., etc.	e e	•
	4.	Identifica	tion of System	Safety	njectio	n Syster	n (09) (C	lass 2)	(Class 1)		
	5.				I B31.7	9 69	Edition;	1970	Addenda, Co	ode Cases N	7A
	_	(b) Appli	icable Edition (	of Section XI Ut	ilized for R	epairs or Re	piacements -	<u> </u>	Addenda, Co 178 Addenda,	Code Cases_	N/A
	6.			<del></del>			cement Com	ponents	<del></del>		
		lame of moonent	Name of Mfr.	Mirs, Ser.	Nat'l. Bd.	RPMM	Other	Year	Repaired,		IE Code
			<b>"</b> ""	""	No.	No.	ldenti- fication	Built	Replaced, or	1	imped , i or No)
_							Line#		Replacement	```	
	FE-				N/A	85-131	1991	Unkn.	Rpl. Bolts	No (0	Class 1)
2)	<u>갖</u> 1	Flange	Pullman		N/A	85-119	1982	Unkn.	Rpl. Bolts	No	
3)	2=2	Flange	Pul]man	<u>   </u>	N/A	85-12d	1983	Unkn.	Rpl. Bolts	No	
Ŧ)	9-1	Strain	er iman		N/A	85-086	1982	Unkn.	Replacemen	t No.	
5)	\$1 <sub>2</sub>	Pump Strain	Pullman er		N/A	85-088	1983	Unkn	Replacemen	7	<del></del>
5)	Acc	umu lato	r Delta Southern	<u>D4</u> 1059-70	2688		Penetra-	·	Replacemen	<del>~ i ~ · · ·</del>	*ASME III
	<u></u>		<u>(1</u>		lace Bo				art-Up Stra	<del> </del>	
Ų	) 7. 3	Description Tests Con	on of Work								
	9.	Remarks_	1 FE 922	As Red Thas sign	ti leaki	accep	Req. ted for	operation	Other Don : ARA00176	8 initia	ted to tra
	٠.	6 *ASN	作"们"is"	appificable	*:20119 CP1				for fill li		
		Tank Hy	dro teste	ed at 780 P	51.						
٠.					CERTIF	ICATE O	F COMPLI	ANCE		· · · · · · · · · · · · · · · · · · ·	
	We	certify that	the statement	s made in this rea	port are cor	rect and thi		acement		orms to Secti	on XI of the
	ASI	ME Code.	سرم و	01			(TV	Dant of replaced	nentj		
	Sign	ned()_'	(Owner to Own		PLANT M	TIDE	م ک		, 19 <u>_</u> E6	<u></u>	
		R. C. TI	HORNBERRY			1104		E19)			
					CERTI	FICATE C	F INSPEC	TION			
	1. 1	the undersig	ned, holding i	valid commissi	on issued i	by the Nati	onal Board	of Boiler an	d Pressure Vessel	Inspectors as	nd the State
	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.										
	Hartford, CT have imperied the Replacement described in this Report on 6/3 1986										
	and	State that			Resainsid	t Replacemen	((8))				
	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, concern-										
	ing 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 demands or a loss of any kind arising from or connected with this inspection.										
	Tor		e; julnal or pro		a loss of an 2021	y kind arisi	ng from or c			0.4	ł
	1001	18 10/ 3/ 0	R. K	12/22/2	linspecton		_ Commiss	ions <u>CA</u>	1419, NB 86		



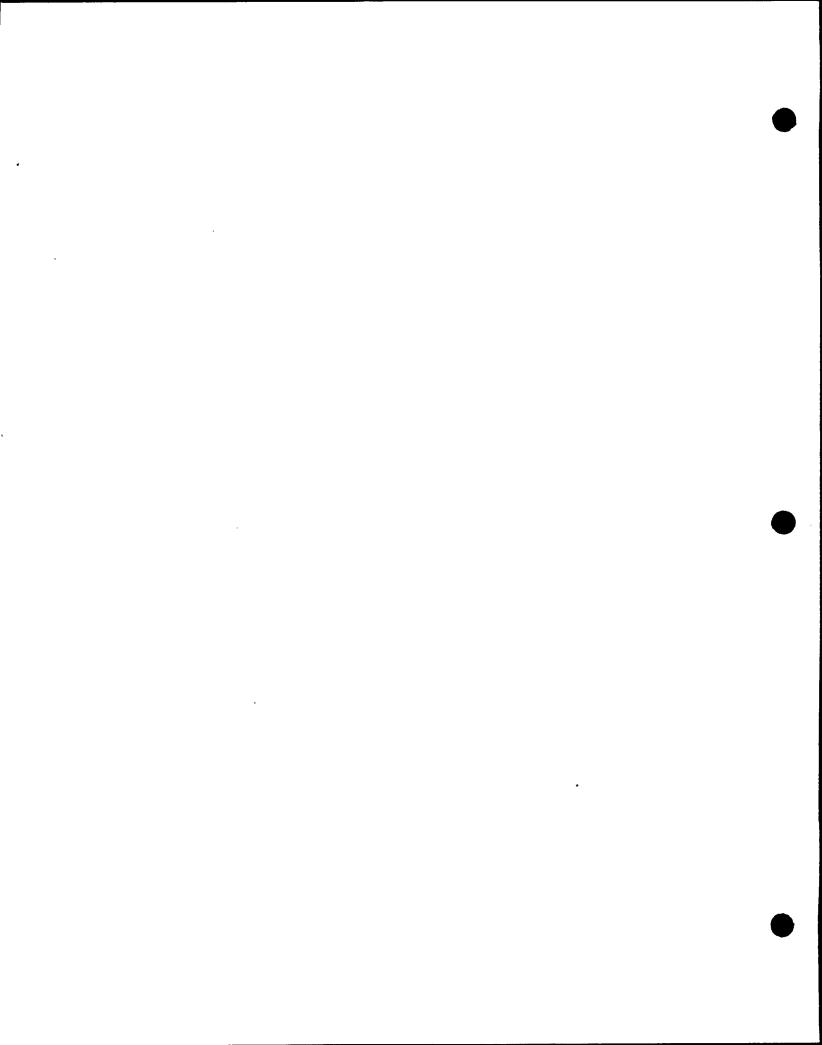
	Owner	Pacific	Gas & Ele	ectric C	Corporat	ion	Dat	June	2, 1986			•
	OW1167	77 Beal	e St. San	Francis	co, CA	94106	She	1	01	1		•
2.	Plant	DIABLO	CANYON "	DOress;		Unit_# 2						•
_	P.O. E	30x 56, Av	ila Beach	CA 93	3424							-
3.		formed by 0	(NI	imei		Repair	Organization P.	n No. App		RPMM No	, Co	1.
4.	Identifica	rtion of System.	Safety I	njectio	n System	n (09) (	Class 2)	,				
5.	(a) Appl	icable Construc	tion Code	SME III	19 <u>NF</u>	Edition	N/A	Addend	e, Code Cases	N/A		
6.	(b) Appl identifica	icable Edition o	of Section XI U nents Repaired	tilized for F or Replaced	Repairs or Re d, and Repla	piacements cement Com	18∠∠_, ⊇ ponents	- / B Adder	nda, Code Cas	es <u>11/ A</u>		•
	ame of mponent	Name of Mfr.	Mfrs. Ser. No.	Nat'l, Bd. No.	RPMM . No.	Other Identi- fication Line#	Year Built	Repaired Replaced or Replaceme		ASME Code Stamped (Yes or No)	•	•
Spu	BASC	Anchor	174	N/A	l86-008	255	Unkn.	Replaced	Yes	ASME	III	
412	-22SL	Anchor Darling	154	N/A	186-008	254	Unkn.	Replaced	Yes	ASME	III	•
70-	-5SL	Anchor	40	N/A	86-008	254	Unkn.	Replaced	Yes	ASME	III	
6-5	OSL	Anchor Darling	158	N/A	86-008	238	Unkn.	Replaced	Yes	ASME	III	
71-	·11SL	Pacific	c 359	N/A	85-42	3844	Unkn.	Replaced	l No	ANSI	B31	.7
78-	-64SL	Anchor	132	N/A	85-62	3856	Unkn.	Replaced	Yes	ASME	III	
9.	Tests Con	Pn	essure	psi Test	Temp	nal Operation*F	g Pressure [	Other C				
<del></del>			-	CERTI	FICATE C	F COMPLI	ANCE					
		the statements	made in this m	port sre co	rrect and thi		acement		conforms to S	ection XI o	fthe	
	ME Code.	2011	El-	DI ANT	MANAGER	6	pair or replace	• •	<u> 85</u>			
_	ned <u>(/</u> D	HORNBERRY	r's Designee)	)	Titte		eter		20			
٣	<u> </u>	<u>normoerki</u>		CERT	IEICATE (	OF INSPEC	TION					
1. 5	he undersid	gned, holding a	valid commis					od Pressure Va	weel Inspecto	rs and the S	inate	
•	Province of.	0-1-6-		emplo	1	SB I & I	CO.				_of	
	Hartfor	d, CT he	we inspected th	W married Williams	acement		ed in this R	eport on	6/3		86	
the	the resair	to the best of the By signing to the best of the signing to the significant to the significant to the significant to the significant to the significant to the significant to the significant to the best of the significant to the best of the significant to the significant to the significant to the best of the significant to the best of the significant to the best of the significant to the sig	this certificate, described in th	and belief, the neither the is Report. F	inspector numbers	replacement for his emplo neither the	yer makes a Inspector no onnected wi	ny warranty, e er his employer	expressed or in r shall be liabl tion.	nplied, cond	ern-	
1	,— <del>,</del> —	R. K	. Johrson	(Inspector	7			(State or Pro	wince, National B	OATC:	— I	



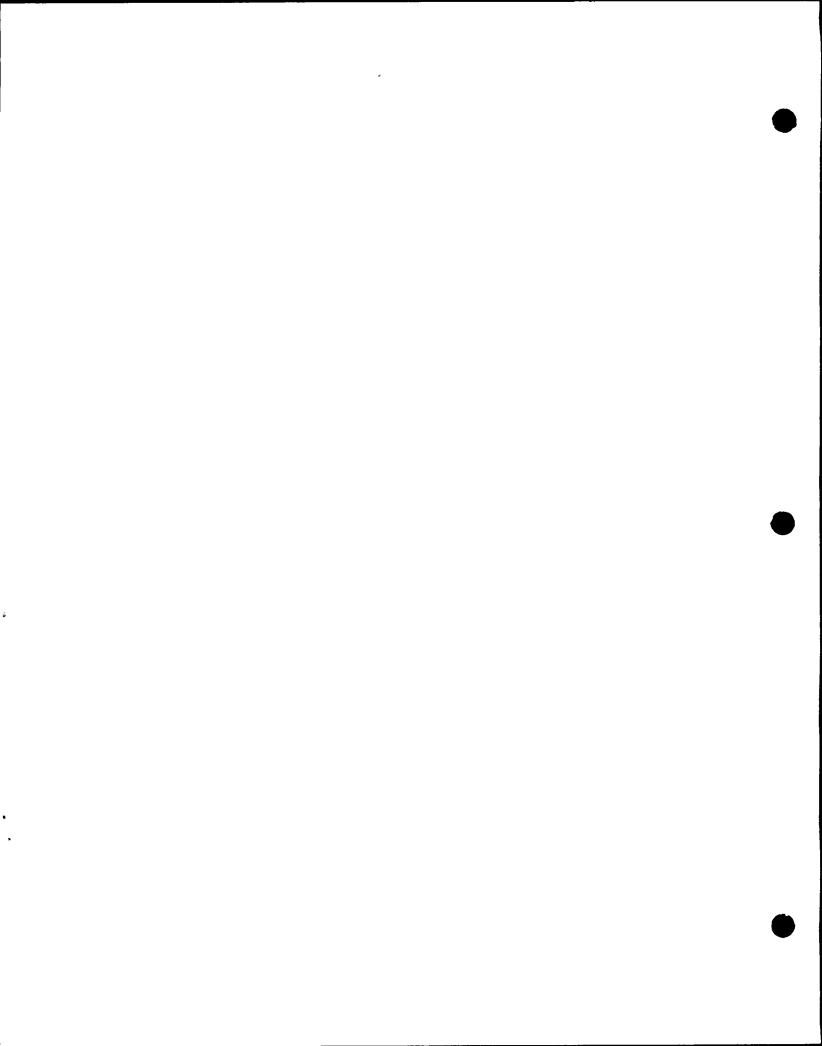
	1.	Owner	Pacif	ic G	as &	Elec	tric	Cor	rporatio	on		Date.	Jur	ne 2	, 1986	5		
			77 Be	ale	St.	San 4	ranci	sco	, CA	94106		Sheet		l	of	1		
	2.	PlantP.O. E	DIABL			_	odress)	03	2/2/	Unit_#2								
	3.	Work Perf	ormed b	y Be	chte O. B	Pow Ox 67	ver Co	rp,	Beach	. CARepair	Organiza	. 162 stion P.C	No., Job	No., etc.				<del></del>
	4. 5. 6.	(a) Applic	cable Co cable Ed	ystem_ nstruct ition of	Sa ion Co Section	fety oe Se on XI U	Injec e Bel tilized fo	tic OW1: or Re	on Syste g Code ( spairs or Re	em (09) Classition placements coment Com	(Cla Colu - 19 Z	ass 2 imn 7,5'	2) (0	lass denda, C	1)* Code Cas , Code C	•••	/A /A	
	Cor	ame of inponent	Name Mfr			s. Ser. No.	Nat'l Bd. No.		No. RP-PT	Other Identification Line#	Ye: Bul		Repl	aired, laced, or cement		ASME Stamp (Yes or	bed	
(1) H	lgr	92-40R	BMY in	nan			N/	Ά	85-29	3844	Unk	kn.	Repl	aced	1	lo AN	SI	<u>B31.</u> 7
(2) H	lgr	92- 48R							85-27	508		$\Box$				1		
(3) F	lgr	47-119	~						85-30	118							,	
(4) F	lar	85N-33E	2						85-44	221								
		5-4R	1	7	\	/	1	/	85-53	256			\	/	٠,	V	\	
	<u>``</u>					·	1							<b>y</b>	T i			
•	7. 8. 9.	Tests Con	ducted:	Hy is <sup>P</sup> C	drosta Tagg	tic 🗆	Pneuma	etic Fest T	Nomi	45 I				er 🖸				
• "							CEF	RTIF	ICATE C	F COMPL	IANC	Ε			-			
	ASI	certify that ME Code.	20	or Owner	R	<u></u>			rect and th NT MANA Title	GER 4		ment 2_	ent)	co: , 19		o Section	XI o	f the
	CERTIFICATE OF INSPECTION																	
	1	_					sion iss	ued (	by the Nat	ional Board	of Bo		d Pressu	ire Vess	el Inspec	tors and	the S	
		Province of artford		Calif h		ected th	ne_Re	pla	cement				port on	_6	/3		, 1	of -86_
	the	ASME Co	de. By s	igning	this ce	rtificate	and beli , neither	ef, the	his repair o Inspector r	r replacement nor his empl	oyer m	akes ar	arisw yr	nty, exp	oressed o	r implied	l, con	cern-
		any person						of ar	ny kind aris	, neither the ling from or — Commit	connec	ted wi	th this ir	pectio			ıy ma	nner
	Ľ	·- <del></del>		R. K	<del>(. )</del>	hnsoi		ecton		Common			(State	or Provin	ce, Nation	ai Board)		



Plant DIABLO CANYON  P.O. Box 56, AVITa Bach, CA 93424  3. Work Performed by OwnEr Plant No. Appears in RPMM No. Comment of the Programment of the		Owner		Gas & Ele				Dat	4	986
P.O. Box 56, Avila Beach, CA 93424  3. Work Performed byOwner   Resido3T**Heat Removal   Repair Plan No. Appears in RPMM No. C.    A. Identification of System			DIABLO		Cress)	CO, CA		She	•1	011
Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Appears in RPMM No. C Repair Plan No. Addends, Code Cases N/A (b) Applicable Edition of Section XI Utilized for Repair or Replacements — 19	2.	Plant	DIADLO (	(1 a (Name)	CA 03	2/2/	Unit_#4		· · · · · · · · · · · · · · · · · · ·	
Second Comment   Second Seco	3.			(Address) Wner		7424				s in RPMM No. Co
Second Comment   Second Seco				Poci do	************	Pomova 1	Syctom	(10) (01	acc 2)	
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements — 19	4.	Identifica	tion of System.	NESTUUA Nestuua	ME III	10 68	System			a Carae N/A
Name of Component Mfr. No. Bd. No. Identification Personal Page of Component Mfr. No. Bd. No. Bd. No. Identification Built Replaced, Stamped (Yes or No) Replacement (Yes or N	3.	(b) Appl	icable Edition o	f Section XI U	tilized for f	Repairs or Re	piacaments			
Component Mfr. No. Bd. No. Identification Built Replaced, Stamped (Yes or No)  Replacement (Yes	6.									
7. Description of Work ① Welld repaired stuffing box extension.  8. Tests Conducted: Hydrostatic Pneumetic 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 C. Thornia (Owner of Operator Description)  R. C. THORNBERRY  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 (Repair) described in this Report on Passel Inspector and the State or Province of California (Repair of Replacemential) described in this Report on (Asset 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 on this 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.		mponent	Mfr.		Bd.	1	Identi-	1	Replaced, or	Stamped
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 Comer or Owner's Designee)  R. C. THORNBERRY  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.  Hartford, CT have inspected the Repair described in this Report on 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 Inspection on 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.	кнк 2-2	Pump	Ingersol Rand	03750	N/A	84-014		Unkn.	Repaired	Yes ASME III
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 Comer or Owner's Designee)  R. C. THORNBERRY  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.  Hartford, CT have inspected the Repair described in this Report on 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 Inspection on 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.										
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Pressurepsi	, 7.	Descripti	on of Work_C	) Weld re	paired	stuffing	box ex	tension		
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for any personal injury or property demage or a loss of any kind arising from or connected with this inspection.	Sign	R. C. To the undersing Province of Hartford state that	gned, holding a Califor d, CT hat to the best of	e valid commis	erion issued , emplo R	by the National By the Nationa	tional Board HSB I & nt(s)) descri	I of Boiler a I CO.  bed in this F	Report on	of 1986 Jance with Section XI of
- 6/2/91 A 21 (halman) CA 1410 NR 8694	I, tor I and the	R. C. To the undersing Province of Hartford state that ASME Co	gned, holding a  Califor d, CT hat to the best of de. By signing	s valid commis	esion issued  , emplo R Repart (Repart and belief,	by the National By the Nationa	tional Board HSB I & nt(s)] descri r replacement nor his empl	I of Boiler a I CO.  bed in this F nt has been cover makes.	Report on	of 1986 Jance with Section XI of sed or implied, concern-
Date 6/3/06 9C/15 (NY) Commissions CA 1419, NO 8094	I, to or ing	R. C. To the undersing Province of Hartford state that ASME Control the repair	gned, holding a  Califor d, CT he to the best of de. By signing or replacement	e valid commisent a valid commiser inspected the my knowledge this certificate described in the	exion issued  , emplo R (Reparts and belief, , neither the	by the National By the Nationa	tional Board HSB I & nt(s)] descri r replacement nor his empl , neither the	of Boiler and I CO.  bed in this First has been cover makes. Inspector in	Report on	of 1986 Jance with Section XI of 1986 or implied, concern-
	ASI Sign I, to or I and the ing for	R. C. T  the undersi  Province of Hartfor  d state that ASME Co the repair any persor	gned, holding a  Califor d, CT he to the best of de. By signing or replacement	s valid commis	Reparts and belief, neither this Report. For a loss of	by the National By the Nationa	description of the second of t	of Boiler and I CO.  bed in this Feat has been cover makes and inspector of the Connected we connected with the connected we connected we connected we connected with the connected with the connected we connected with the connected we connected with the connected we connected with the	Report on	1986  dance with Section XI of sed or implied, concernible liable in any manner



	1.	Owner	Pacific	Gas & Ele	ctric C	orporat	ion	Dat	June 2,	1986	
=	•••		77 Beal	e St. San <sup>n</sup>	Francis	co, CA	94106 -	She	1	of 2	
	2.	Plant	DIABLO	CANYON "	ooress;		Unit # 2				
		P.O. E	Box 56, Av	ila"Beach,	CA 93	424					
	3.		formed by 0	(A02'814) Wner			Re	pair Pla	an No. Appea	rs In RPMM No.	. Co1.
				(Na	(Tiết)			-	.0 No., Job No., etc.	,	
	4,	Identifica	tion of System	Residua	Heat R	emoval :	System (	10) (Cla	ass 2)		<del></del>
	5.	(a) Appli	icable Construc	tion Code ANS	I B31.7	19 <u>69</u>	Edition,	1970	Addends, Co 5 <sup>1</sup> 78_ Addends,	ode Cases N/A	<del></del>
	6.	Identifica	tion of Compo	nents Repaired	or Replaced	icpairs or Re 1, and Repla	cements	ponenti	Addends,	Lode Cases	
		ime of appnent	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RPMM No.	Other Identification Line#	Yesr Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
1	HCV	-638	Contin-		N/A	85-097	118	Unkn.	Rpl. Bolts	No	
2	кнк 2-1	Pump Suct-	Pullman		N/A	85-090	110	Unkn.	Rpl. Bolts	No	
_	tio	n Spool									
3		Pump	Pullman		N/A	85-091	111	Unkn.	Rpl. Bolts	No	<del></del>
	2-2 ion						<del></del>				<del></del>
4	姚	Pump	Ingersoll Rand		N/A	84-32		Unkn.	Replaced	Yes ASME	III '68
	.7. .8. 9.	Tests Con	ducted: Hy Pr		Pneumetic Posi Test	Nomi Temp. AS	ing repl	<del></del>		ced pump & mot	<u>:or.</u>
. •	-				CERTI	FICATE O	F COMPLI	ANCE			<del></del>
٠.		ertify that	the statements	made in this re			Repl	acement		orms to Section XI of	the
	Sign		C T for	r's Designee)	PLANT N	MANAGER Title	6/	<u></u>	, 19£6	5	
	K	C. T	HORNBERRY	·	CERTI	FICATE	F INSPEC	TION			_
		e undersig	0-1-6		ion issued	by the Nati		of Boiler ar	nd Pressure Vessel	Inspectors and the St	ate
		artfor		ve inspected the		•	describ	ed in this R	eport on	6/3	86
	the .	ASME Coo	to the best of a	my knowledge : this certificate,	nd belief, t neither the	his repair or Inspector n	us) replacement or his emplo	t has been co yer makes as	onstructed in accor ny warranty, expre	dance with Section XI	rn-
							ng from er c	onnected wi	th this inspection.	il be liable in any man	nei
	Date	<u>6/3/8</u>	R. K	. Johnson	enspection		_ Commiss	ions <u>CA</u>	(State or Province.	94 National Boardi	



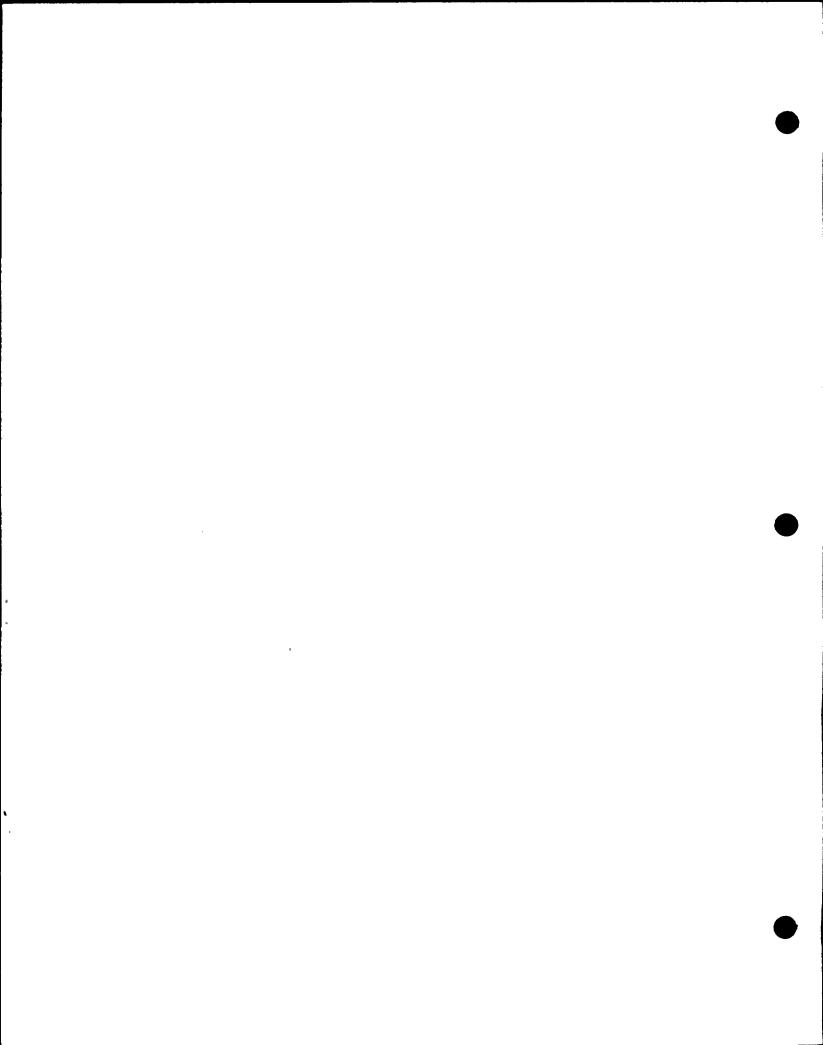
	1. Owner	Pacific	Gas And E	lectric	Corpor	ation	D <i>A</i>	TE June 2,	1986
		77 Beal	e Street,	San Fra	ncisco,	CA 941	<u>06</u> SI	HEET 2 OF	2
	) 2. Plant	Diablo	Canyon Uni	it #2	*				
		P. O. B	ox 56, Avi	ila Beac	h, CA	93424			
	3. Work	1	By Owner			•		_	
					idual He	at Remov	al Syste	em (10) (Class	; 2)
	4. 10011	.11 10001011	or system		10001 110		<u></u>		
	Name of Component	Name of Mir.	Mfrs. Ser. No.	- Nat'l. Bd. No.	RPMM No.	Other Identi- fication Line #	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
3	FE-971	MW Kellogg		N/A	85-65		Unkn.	Rpl. bolts	No ANSI B31.7
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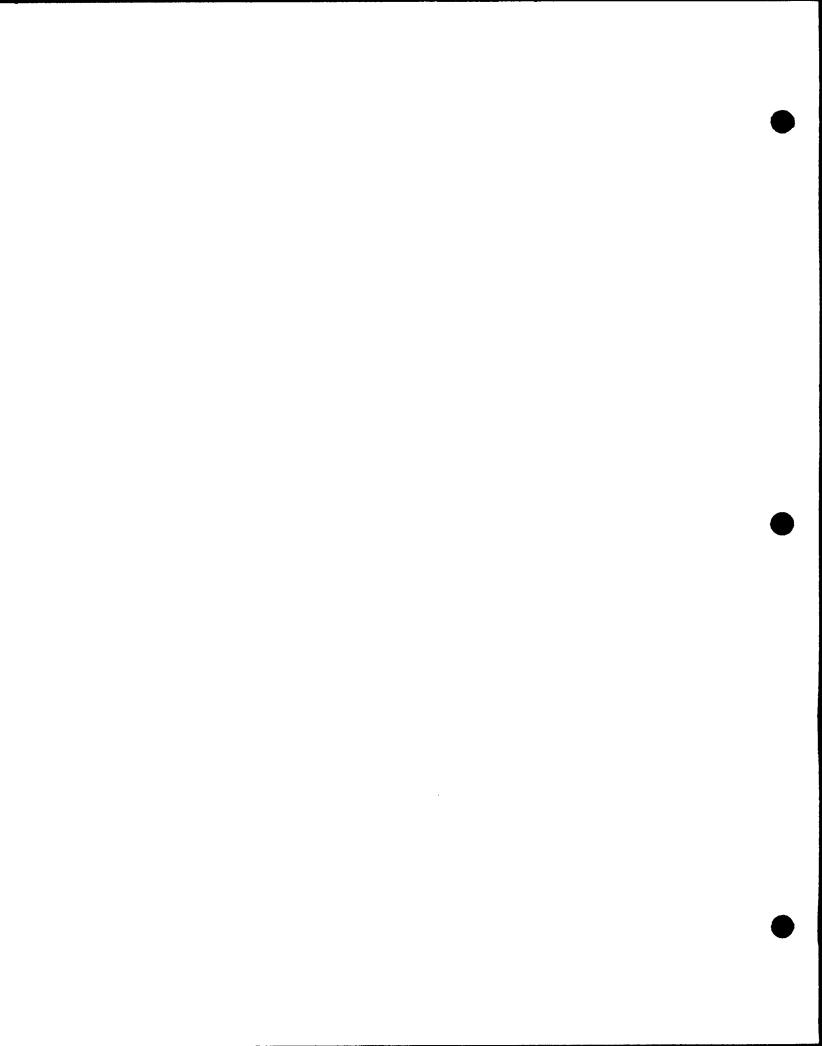
	•••	Owner_	Pacific	Gas & Ele	ctric Co	orporat	ion -	Dett	June 2 ,	1986		
•	-		77 Beal	e St. San	<u>Francis</u>	co, CA	94106	Shee	11	of1		
	2.	Plant	DIABLO (	CANYUN	oreas:		Unit # 2					
		P.O. B	ox 56, Av	ila Beach,	CA 93	424				T. DDMM	No Co	.1
	3.		formed by 0	wner (Acc: ess)					No. Appears	IN KPMM	110. 00	/I •
				(144					C No., Job No., etc.	n V.a.	ı	
	4,	Identifica	tion of System.	Residual	Heat Re	moval S	ystem (1	U) (Clas	ss 2) (Class	; 1)*	1	
	5.	(a) Appi	icable Construc	tion Code AS	ilized for B	9 Nr	Edition,	N/A _ 1972 S	Addenda, Co	de Cases _N//	<del>}</del> A	-
	6.	loentifica	tion of Compo	nents Repaired	or Replaced	, and Repla	cement Com	ponents	Addende, Co.	~~~		
•	N	ame of	Name of	Mfrs. Ser.	Nat'l.	RPMM	Other	Year	Repaired,	ASME		_
	Cor	mponent	Mfr.	No.	Bd. No.	No.	Identi- fication	Built	Replaced, or	Stam (Yes o		
							Line#		Replacement			
U	5ni 72	ubber - 23SL	Anchor   Darling	156	N/A	86-008	-1665	Unkn.	Replaced	Yes	ASME	
(2)	74	-33SL	Pacific  Scientifi	c 118	N/A	85-074	1·19	Unkn.	Replaced	Yes	ASME	TH
<u>a</u>	70	-55SL	Anchor  Darling	179	N/A	86-008	2575	Unkn.	Replaced	Yes	ASME	ĪIJ
A		-77SL	Anchor	204	N/A	86-008	927	Unkn.	Replaced	Yes	ASME	ĪIJ
8		-119SL	IPSA	905	N/A -	1		Unkn.	Replaced	No	ANSI	B31
				,								_
1	9.	Tests Cor Remarks	nducted: Hy Pr "*" Indica	1234 ydrostatic = ates Class ates Class acturer's Casa Repor	Pnoumatic psi Test	Nom	inal Operatio	ng Pressure (	Other []			
٠,	<del></del> -	***************************************			CERTI	FICATE C	OF COMPL	IANCE				=
	We	certify the	t the statement	s made in this re	co ene moce	rect and th	lsRep	lacement	confo	orms to Section	1 XI of th	
		ME Code.	2P74	2/-	PLANT N	MANAGER	•	6/2_	, 19 <u></u>	<u> </u>		
	_	ned <u> </u>	HUSHELKSA	ers Designes	· Line	Title	(0	Deten	. 19			
		Kanbani	nosasena i	·····	CEDTI	EICATE	OF INSPEC	TION	<del></del>	<del></del>	····	
	١	the undersi	aned halding	e velid eesseis				- * * * * * * * * * * * * * * * * * * *	nd Pressure Vessel	la-markam enu		
	ľ	Province of	0.345-		emplo		HSB I 4	I CO.	UO LISTINIA ASTRI	inspectors and	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
	-	Hartfor	'd CT	eve inspected th	D1	acement	descrit	ed in this R	eport on	0/3	1986	6
	and	state that			(Repuins)	ot Replaceme	ntiell		onstructed in accor	dance with Ser	,	_
	The	ASME Co	de. By signing	this certificate	, neither the	Inspector	nor his emplo	over makes e	iny warranty, expre	sæd or implied	d, concerr	~
									or his employer shall ith this inspection.	il be liable in a	ny manne	"
	Da	re 6/3/8	16 R.T	L OnAn	son		Commis	CA	1419, NB 869			_
	ı	•	R. K	. Johnson	(103000100	1			(State or Province	Hattona Boardi	•	ı

Note: Supplemental sheets in form of Ilsts, sketches, or drawings may be used provided (1) size is 8% in, X-11 in, 12) information in items 1 through 4 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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	1. Owner	Pacific G	as & Elec	tric Co	rporati	on	Date	June 2, 19	986	
		77 Beale	St. San 4	rancisc	o, CA	94106	Shee	. 1	1	
	2. Plant	DIABLO CA	MYUN	ocress)	2424	Unit_#2_				
	7.U. 3. Work Per	Re	CHT P POL	er Corn	<u> </u>	_Job	No. 16	293	×2	
		P.	.O. Box 67	ΰ'. Avil	a Beach	CARepair C	Organization P.(	O NO., JOD NO., etc.		
	4. Identifica 5. (a) Appl	ition of System.	tion Code	B31.7	19 <u>69</u>	Edition,	1970 1977	SS 2) Addenda, Code S'78_Addenda, Coo	Cases N/A	
		icable Edition of tion of Compor			i, and Repla			70 Addenda, Coc	ie Cases	
	Name of Component	Name of Mfr.	Mfrs. Ser. No.	Nat'l. Bd. No.	RP-PT No.	Other Identi- fication 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	
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Ds										
<u> </u>	7. Descripti 8. Tests Co	on of Work	1 Modify odrostatic □			kets fo			•	
	9. Remarks	Pr	essure	psi Test	Temp				· · · · · · · · · · · · · · · · · · ·	
_										
				CERTI	FICATE C	F COMPL	IANCE			
	We certify the	t the statement:	s made in this r	eport are co	errect and th		acement		ns to Section XI of the	
	ASME Code.	20 TE	21-	- PLA	NT MANA	000	pair or replacer	ment) , 1986		
	Signed 6 (Owner or Owner's Designee) PLAN I MANAGER 6 / 7 19 86									
	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									
									nce with Section XI of and or implied, concern-	
	ing the repair	or replacement	described in th	is Report. F	urthermore	, neither the	Inspector no	or his employer shall b	be liable in any manner	
	Date 6/3/	BG	2.72 On	Ans	iny kina aris	ing from or o	ſ	ith this inspection. A 1419, NB 86		
		R.	K. Johnson	(Inspecto	ŋ			(State or Province, Na	tional Board)	



<b>A</b>				<del></del>	-					
	1.	Owner		Gas & Ele			ion	Dat	June 2 , 19	86
	•		77 Beale	St. San	Francis	co, CA	94106	She	•tof	11
	2.	Plant	DIABLO (	CANYUN	XOrmali:		Unit # 2			
	_	P.O. B	ox 56, Av	ila Beach,	CA 93	424				
	3.		ormed by 0	[A 00"0441						In RPMM No. Col
	•			(RUE				•	.3 No., JOD NO., 815.	•
	4.	Identifica	ion of System	Contain	ent Spr	ay Syste	em (12)	(Class	2)	
	5.	1-1 A1:	aabla Caassa.a	eion Coda AN	IST - B3 L 2	√o b9	Edistan	13/0	Addenda, Code	Cases N/A
	6.	(b) Appli	cable Edition o	of Section XI Us	tilized for R	epairs or Re	piscaments -	- 19 <u>/ /</u> 구	78 Addenda, Cod	e Cases N/A
		me of	Name of	Mirs. Ser.	Nat'l.	RPMM	Other	Year	Repaired.	ASME Code
_		nponent	Mfr.	No.	Bd. No.	No.	Identi- fication Line#	Built	Replaced, or Replacement	Stamped (Yes or No)
<b>①</b> \$	pra	y Add. Flange	Pullman		N/A	185-142	3153	Unkn.	Replace Bolts	No
4.	aux	<u> </u>	7 47 111141		<u>                                     </u>	i i	<del></del>	-	1	······································
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	.7. 8. 9.	Tests Con	ducted: Hy	Replaced of the state of the st	Pneumatic psi Test	O Nomi Temp. AS	· Reoperation	g Pressure	☑ Other □	
• •					CERTI	FICATE C	F COMPL			
			tre statement	mede in this n	eport are co	rrect and th		acement		s to Section XI of the
		ME Code.	PTL	mala	DI ANT I	MANAGER	6	12-	•	
	Sign	7ed	(Dwier or Own	r's Designeer	( Lnitt i	Title	Œ	DETEN	, 19 <u>_£6</u>	
	<b></b>	R.C.I	HORNBERRY	U		<del></del>			<del>-</del>	
					CERT	IFICATE (	OF INSPEC	CTION		
	1		0-2-6-		sion issued		ional Board ISB I &		and Pressure Vessel Ins	pectors and the State
		Province of		rnia		ved by	130 1 4	1 00.	<del></del>	1001
	-	Hartfor	0, CIh	we inspected th	•	acement		ed in this F	Report on	3 1986
	the ing	ASME Co	de. By signing Guidolecement	this certificate described in th	, neither the is Report. F	Inspector r	or his emplo , neither the	over makes a Inspector m connected w	constructed in accordanging warranty, expressed or his employer shall be with this inspection.	d or implied, concern-
	De	re10/5/	R K	Zohnson	(inspector	<u> </u>	Commis	sions <u>UA</u>	1419, NB 8694	iona Board:

