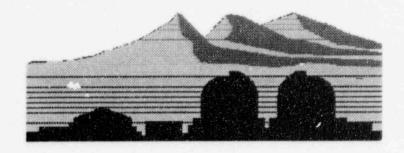
SAN ONOFRE NUCLEAR GENERATING STATION UNIT 3



INSERVICE INSPECTION SUMMARY REPORT CYCLE-8 REFUELING OUTAGE

DECEMBER 13, 1995

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1 INTRODUCTION

This document refers to the implementation of the Inservice Inspection (ISI) conducted at the San Onofre Nuclear Generating Station (SONGS) Unit 3 for the 40-year life of the plant from August 18, 1983 through August 18, 2023. Inspection Program B which uses a four 10-year intervals has been adopted by SONGS. These 10-year intervals are shown below:

1st Interval	August	18,	1983	thru	August	17,	1993
2nd Interval	August	18,	1993	thru	August	17,	2003
3rd Interval	August	18,	2003	thru	August	17,	2013
4th Interval	August	18,	2013	thru	August	17,	2023

Each 10-year Interval is further divided into 3 periods which is adjusted to accommodate 2 refueling outages in each period. Adjustments of the intervals to accommodate these refueling outages is allowed by the code to extend or decrease the interval by as much as 1 year. These extension was used in the 1st 10-year interval which ended in March 1994.

The 1st and 2nd 10-year intervals are:

1st Interval	August 18, 1983 thru March 31, 1994
2nd Interval	April 1, 1994 thru August 17, 2003

The 3 periods for the 2nd 10-year interval are as follows:

PERIODS	DATES	OUTAGES
1	Apr 1, 1994 - Aug 17, 1997	U3C8, U3C9
2	Aug 18, 1997 - Aug 17, 2001	U3C10, U3C11
3	Aug 18, 2001 - Aug 17, 2003	U3C12, U3C13

ASME Code Section XI, Article IWA-6000, Records & Reports, the ISI Program Plan Doc. # 90064 Rev.1 and the ISI procedures were used to put this report together. This report is intended to provide a summary of the ISI activities performed during the Unit 3 Cycle 8 outage. Detailed descriptions of these activities are documented, controlled and maintained in accordance with the Owner's Technical Specification commitments.

2 PLAN & SCHEDULE

CLASS	CATEGORY	TOTAL EXAMS	PERIOD	PERIOD	PERIOI
		REQUIRED	1	2	3
1	B-A	27	3	3	21
	B-B	10	2	3	5
	B-D	34	6	8	20
	B-E	55	18	18	19
	B-F	28	8	10	10
	B-G-1	264	87	87	90
	B-G-2	163	53	53	57
	В-Н	2	1	0	1
	B-J	191	62	63	66
	B-K-1	10	3	3	4
	B-L-1	2	0	0	2
	B-L-2	1	0	0-	1
	B-M-1	8	2	3	3
	B-M-2	11	3	4	4
	B-N-1	3	1	1	1
	B-N-2	30	0	0	30
	B-N-3	2	0	0	2
	B-O	36	0	0	36
	B-P	Each Refu	eling Outage		
	B-Q	Per Tech S			
2	C-A	15	3	6	6
	C-B	16	3	6	7
	C-C	57	18	18	21
	C-F-1	220	72	72	76
	C-F-2	31	9	10	12
	C-G	5	1	2	2
	С-Н	Each Inspe	ection Period		
3	D-A	12	3	3	6
	D-B	91	25	26	40
	D-C	21	5	6	10
IWF	F-A	270	86	89	95

3 SUMMARY REPORT

Date of Document Completion December 13, 1995

Name & Address of Owners:

Southern California Edison 2244 Walnut Grove Ave. Rosemead, CA 91770

City of Anaheim Public Utilities Department City Hall West - 11th Floor 201 S. Anaheim Blvd. Anaheim, CA 92805 San Diego Gas & Electric Co. 101 Ash St. San Diego, CA 92112

City of Riverside
Public Utilities Department
3900 Main St.
Riverside, CA 92522

Name & Address of Generating Plant:

San Onofre Nuclear Generating Station 14000 Basilone Road, 4 Miles South of San Clemente San Clemente, CA 92522

Commercial Service Date for the Unit......April 4, 1984

REFUELING OUTAGE NO.

Refueling Outage Number:

Unit-3 Cycle-8

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

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

2. Plant:

San Onofre Nuclear Generating Station

14000 Basilone Road, 4 Miles South of San Clemente

San Clemente, CA 92674-0128

3. Plant Unit: 3 4.Owner's Certificate of Authorization: N/A

5. Commercial Service Date: 4/4/84 6. National Board Number for Unit: N/A

7. Components Inspected:

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial Number	State or Province Num'er	National Board Number
Reactor Vessel 3MV1101	Combustion Engineering	72170	35204-82	22001
Steam Gen 3ME088	Combustion Engineering	72270-2	35204-82	22265
Steam Gen 3ME089	Combustion Engineering	72270-1	35204-82	22264
Pressurizer 3ME087	Combustion Engineering	70603	35204-82	21496
Reactor Coolant Pump 3MP001	Byron Jackson	701-N-0563	N/A	N/A
Reactor Coolant Pump 3P002	Byron Jackson	701-N-0564	N/A	N/A
Reactor Coolant Pump 3P003	Byron Jackson	701-N-0561	N/A	N/A
Reactor Coolant Pump 3MP004	Byron Jackson	7(1-N-0562	N/A	N/A

FORM N	TS-1 (back)
8. Examination Date April 1, 1994 to S	
9. Inspection Period Identification: X 1st P	Period 2nd Period 3rd Period
10. Inspection Interval:1st 10-Yr X 2nd	d 10-Yr 3rd 10-Yr 4th 10-Yr
11. Applicable Edition of Section XI	
12. Date/Revision of Inspection Plan	
13. Abstract of Examination & Test	See page 8
14. Abstract of Results of Examinations & Tests	s:See page 9
15. Abstract of Corrective Measures:	See page 10
We certify that a) the statement made in this reported the Inspection Plan as required by the ASM taken conform to the rules of the ASME Code, See	ME Code, Section XI, and c) corrective measure
Certificate of Authorization No. N/A	Expiration Date: N/A
12/1-02	- m 2/1.+
Date 12/14 19 95 Signed Southern California Edisor (Owner)	n By /// SHOUL-
CERTIFICATE OF IN	CERVICE INCRECTION
	SERVICE INSPECTION
I, the undersigned, holding a valid commission issued Vessel Inspectors and the State of California and em Waltham, Massachusetts have inspected the compon period April 1, 1994 to Dec. 13, 1995 and state that has performed examinations and tests and taken corraccordance with the Inspection Plan and as required By signing this certificate neither the Inspector implied, concerning the examinations, tests, and continued Furthermore, neither the inspector nor his employer or property damage or a loss of any kind arising from	nents described in this Owner's Report during the at to the best of my knowledge and belief, the Ownercective measures described in this Owner's Report d by the ASME Code, Section XI. tor nor his employer makes any warranty, expresse corrective measures described in this Owner's Report of the ASME Code, Section XI.
Inspector's Signature Commission	NB, State, Province or Endorsements
Date December 14, 1995	

ABSTRACT OF EXAMINATIONS & TESTS

This report covers the Inservice examination activity conducted at the San Onofre Nuclear Generating Station (SONGS), Unit 3 between April 1,1994 and Sept. 26, 1995. This activity is one of the two that are scheduled for the 1st period of the 2nd 10-year interval as described in the ISI Program Plan Doc. 90064, Rev. 1. The Inservice examinations were conducted in accordance with the of the ASME Boiler and Pressure Vessel Code Section XI, 1989 Edition No Addenda.

Visual examinations (VT-1,3) were performed by both SCE Quality Control Inspectors & NDE contractors on components inside/outside the containment. The services of NDE Levels-I, II & III (UT, PT, MT, & VT) were contracted to and provided by Lambert, MacGill, Thomas, Inc.

ISI Visual Examinations (VT-2) performed in conjunction with the Reactor Coolant System pressure test was performed by SCE VT Level-II examiners. List of examinations and tests are included in appendix A.

Arkwright Mutual Insurance Company provided the services of the Authorized Inspection Agency (AIA) Authorized Nuclear Inservice Inspectors (ANII's).

ABSTRACT OF RESULTS OF EXAMINATIONS & TESTS

The Inservice and preservice examinations conducted at SONGS 3 were performed between 4/1/94 and 9/26/95. These examinations were performed to fulfill the requirements of 10CFR50.55(G)(4) and IWA-1400, Owner's Responsibilities of ASME Code Section XI, 1989 Edition, No Addenda.

The number of components and supports for Class 1, 2 and 3 selected for examination was based on the ISI Program Plan Doc. # 90064, Rev. 1 employing Inspection Program Plan B of the ASME Code Section XI, 1989 Edition, No Addenda. This code edition also employs the Mandatory Appendix VII which requires qualification of NDE personnel for UT examination. Qualification of UT personnel includes a blind test by demonstrating the ability to find flaws on test specimens. The 1989 Edition, No Addenda of Section XI also expanded the scope of examination by including components and their connections which were greater or equal to NPS 2 per Table IWC-2500-1. These change necessitated the fabrication of additional UT calibration blocks.

The Reactor Coolant System pressure test was performed with all insulation removed on pressure retaining bolted connections as required by ASME Code Section XI 1989 Edition, No Addenda.

Originally 201 welds were scheduled to receive volumetric examination, 222 for surface examination, and a total of 207 for a combined VT-1 and VT-3. Of these welds scheduled for examinations, 195 welds were examined by UT, 215 by surface exam PT or MT and 207 by VT-1 and VT-3. The difference in numbers is attributed to those components whose scheduled examinations were deferred to the next refueling outage due to ALARA consideration or cost. However, the number of welds or components required by ASME Code to be inspected per Period, will be completed by Cycle 9 refueling outage.

All NDE examinations were found acceptable with no relevant indications.

ABSTRACT OF CORRECTIVE MEASURES

All the ISI NDE examinations were found acceptable with no relevant indications, hence corrective measures were not needed.

4 ABSTRACT OF NIS-2 REPAIRS & REPLACEMENTS

		МО	EQID	Class	NIS-2	Worksum
	1	92012135003	S31104CEDM #50	111-1	12/8/95	Machined valve
	2	93110269001	S31201MR187	111-2	12/8/95	Replaced valve outlet tube & adapter
	3	93110650000	S31204MU034	III-2	12/6/95	Resealweided body to bonnet
	4	93111806000	S31204MR434	111-2	10/24/95	Replaced valve
	5	93121777000	S31204MU152	III-1	12/8/95	Replaced valve & pipe piece
	6	94010478001	S31301MR034 TUBING	111-2	12/7/95	Replaced tube fitting
	7	94010824000	3HV4053	111-2	12/8/95	Replaced valve plug
	8	94011296001	3PV0201A	111-2	6/9/94	Replaced valve plug
	9	94020204000	3PV0201A	111-2	6/9/94	Repaired leak-off pipe nipple
1	0	94020698000	S31204MU018	18-1	11/21/95	Replaced hinge pin cover studs & nuts
1	1	94020700000	S31204MU019	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	2	94020701000	S31204MU020	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	3	94020702000	S31204MU021	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	4	94020703000	S31204MU155	111-2	11/21/95	Replaced hinge pin cover studs & nuts
1	5	94020705000	S31204MU072	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	6	94020706000	S31204MU073	lil-1	11/21/95	Replaced hinge pin cover studs & nuts
1	7	94020707000	S31204MU074	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	8	94020708000	S31204MU075	111-1	11/21/95	Replaced hinge pin cover studs & nuts
1	9	94020709000	S31204MU040	III-1	11/21/95	Replaced hinge pin cover studs & nuts
2	0	94020711000	S31204MU041	111-1	11/21/95	Replaced hinge pin cover studs & nuts
2	1	94020712000	S31204MU042	111-1	11/27/95	Replaced hinge pin cover studs & nuts
2	2	94020713000	S31204MU043	10-1	11/21/95	Replaced hinge pin cover studs & nuts
2	3	94021183000	3PV0201B	111-2	7/11/94	Replaced valve plug
2	4	94030880000	S31212MU020	111-2	4/7/95	Replaced valve disc
2	5	94031576000	\$31305MR849 TUBING	111-2	12/6/95	Replaced tube fitting
2	6 !	94031694000	3HV0511	111-2	12/6/95	Replaced valve plug
2	7 !	94040562002	\$31212MU027	111-2	12/4/95	Replaced disc
21	8 !	94052226000	3PSV9225	111-2	6/27/95	Replaced valve
2		94060676000	S31201MP003	111-1	12/4/95	Replaced mechanical seal cartridge
3		94061659001	3HV8205	111-2	12/11/95	Replaced flange studs & nuts
3		94061797000	3PSV0200	111-1	12/4/95	Replaced valve & flange bolting
3:			3PSV0201	111-1	12/4/95	Replaced valve & flange bolting
33		94062299000	3PSV8401	111-2	12/4/95	Replaced main steam safety valve & inlet nuts
		94062304000	3PSV8404	111-2	12/4/95	
35			3PSV8405		12/4/95	Replaced main steam safety valve & inlet nuts Replaced main steam safety valve & inlet nuts
36			3PSV8412		12/4/95	Replaced main steam safety valve & inlet nuts
37			3PSV8413	Name and Address of the Address of t	12/4/95	
38			3PSV8418		12/6/95	Replaced main steam safety valve & inlet nuts
35			3PI8204M		7/13/95	Replaced main steam safety valve & inlet nuts
40			S31201MP004			Replaced valve
4			S31204MR099		12/4/95	Replaced mechanical seal cartridge
4			S31101MV001		12/7/95	Replaced disc
43			S31201ME087		10/24/95	Installed valve & piping assembly, replaced bolts
44			3PSV9349		12/4/95	Performed VT1 exams
45					12/7/95	Replaced valve
de			\$31204MU017		11/21/95	Replaced hinge pin cover studs & nuts
A"			3PV0201A		12/7/95	Replaced valve plug
40			S31201MU036			Replaced disc
40			S31206MU019	10 m		System tie-in of tubing & valves
45			S31204MU061			Replaced bonnet
50	2 8	94091981000	S31204MR103	111-2	12/7/95	Replaced valve disc

		МО	EQID	Class	NIS-2	Worksum
	51	94092095000	S31208MU029	111-2	12/4/95	Replaced disc
1	52	94092228000	3PSV9320	111-2	12/6/95	Replaced valve
4	53	94101013000	3LV0227C	111-2	12/7/95	Reseal welded body to bonnet
-	54	94101633000	3PI4734	111-2	8/1/95	Replaced tubing
***	55	94110723001	S31301ME088	111-2	10/18/95	Replaced manway cover studs & nuts
	56	94110726000	S31301ME089	111-2	10/18/95	Replaced handhole stud & nut
4	57	94110845000	S3RC073H031	111-2	10/17/95	Snubber deletion
40	58	94110848000	S3RC073H038	111-2	10/18/95	Replaced snubber w/rigid strut
	59	94110849000	\$3CC275H008	18-2	10/17/95	Snubber deletion
ŧ	50	94110850000	S3CC275H009	111-2	12/4/95	Replaced snubber w/rigid strut
E	31	94110851000	S3CC287H009	III-2	10/17/95	Snubber deletion
E		94110852000	S3CC287H011	111-2	10/18/95	Replaced snubber w/rigid strut
6		94110871000	S3SI077H002, H006, H008	111-2	10/23/95	Snubber deletions
6		94110878000	\$3\$I077H012	III-2	10/23/95	Replaced snubber w/rigid strut
6		94110881000	S3Si077H010	111-2	10/23/95	Transverse pipe stop deletion
		94111278001	3PSV9317	111-2	6/27/95	Replaced valve
		94111340000	S31204MR446,S31204ML048	III-2	9/7/95	Installed vent valve assembly
		94111402000	S31204ML050	111-2	10/16/95	Prefab drain valve & piping assembly
Ξ		94111641000	S3VC003H022	111-2	10/17/95	Snubber deletion
		94111642000	\$3VC003H019E, H019W	111-2	10/19/95	Replaced snubbers w/rigid struts
Ĺ		94111648000	\$3VC008H022, H023	III-2	10/17/95	Snubber deletions
		94111651000	S3VC058H020	111-2	10/17/95	Snubber deletion
		94111653000	S3VC059H007, H008	HI-2	10/17/95	Snubber deletions
		94111658000	S3FS057H005B, H005T, H013	111-2	10/17/95	Snubber deletions
		94111659000	S3BM037H002	111-2	10/31/95	
		94111665000	S3FS057H011	111-2	10/19/95	Replaced snubber w/rigid strut, no vt3
		94120245000	S31204MU073	111-2		Replaced snubber w/rigid strut
		94120566000	\$31206ML006,ML007, ML008,ML009	111-2	11/21/95	Machined studs from all-thread
		94120583000	NON-OUT VA'S 80 & 81		12/12/95	Material verification, prefab tubing lines (4)
		34120586000	NON-OUT VA'S 82 & 83		12/12/95	Field installation supports, tubing (w/o tie-in)
		34121048000	S31201MP002	111-2	12/12/95	Field installation supports, tubing (w/o tie-in)
		94121086000	S31204ML052	III-1	12/8/95	Replaced seal cartridge
				111-2	7/13/95	Installed IST vent/drain assembly
			\$31208MR671, \$31208ML007	100 100	10/20/95	Install drain valve assembly
					10/25/95	Installs prefab IST vent/drain assembly
			\$3C\$017H002	***	11/2/95	Snubber deletio.1
		4121135000	\$3C\$019H009, H010, H012		11/2/95	Snubber deletion, replaced snubbers w/rigid struts
		4121137000	\$3RC027H003, H004, H005		10/25/95	Snub/can deletions, replaced snubber w/rigid strut
		4121143000	\$3\$1050H003		11/2/95	Replaced snubber w/rigid strut
		4121228000	S31206MU022, MU023		12/12/95	System tie-in of tubing & valves
			S31204ML048, S31204MR446			Material verification and prefab
		4121348000	S31204ML052			Matl verif & prefab of IST vent & drain assembly
			S31204ML050			Installs new valve & piping prefab
			S31208MR671, S31208ML007			Prefab drain valve assembly
			\$31208MR050, MU216, ML098		10/25/95	Material verification and prefab, IST vent/drain
			3PSV9227			Replaced valve
			3F00296	111-1	10/24/95	Prefab reactor head vent line
			\$3\$1021H011,014,017,021,023,31	III-2	10/23/95	Snubber deletions
			\$3\$1146H004N,H004S,\$3\$1164H005	111-2	10/23/95	Snubber deletions
			S3SI021H013	111-2	10/23/95	Spring cannister deletion
C	9		S31212MU019	III-2	12/7/95	Replaced valve disc
H	9	5010949000	S3FS007H003,H007,H009,H022E-W	III-2	10/19/95	Snubber deletions

	MO	EQID	Class	NIS-2	Worksum
102	95011046000	S3SI048H004	111-2	10/23/95	Snubber deletion
103	95011047000	S3SI049H003	111-2	10/23/95	Snubber deletion
104	95011049000	S3SI048H007	III-2	10/31/95	Replaced snubber w/rigid strut, no vt3
105	95011051000	S3SI053H003	III-2	10/23/95	Replaced snubber w/rigid strut
106	95011054000	S3SI185H00A	III-2	10/23/95	Replaced snubber w/rigid strut, no vt3
107	95011092000	S3SI014H006, H011, H012	III-2	10/23/95	Snubber deletions
108	95011093000	S3SI014H007	III-2	12/7/95	Replaced snubber w/rigid strut
109	95011097000	S3SI021H002N	111-2	12/11/95	Replaced snubbers w/rigid struts
110	95011308000	S31208MF020	111-2	9/7/95	CVCS ultrafiltration, prefab cover appurtenance
111	95011313000	S3CS003H010, H053B, H053T, H063	111-2	10/17/95	Snubber deletions
112	95011314000	S3CS003H061, H065B, H065T	111-2	12/4/95	Replaced snubbers w/rigid struts, no vt3
113	95011350000	S3CS003H041	111-2	10/17/95	Snubber deletion
114	95011351000	S3CS003H043,H044,H046B-T,H047	111-2	10/18/95	Replaced snubbers w/rigid struts, no vt3
15		\$3C\$003H045A, H045B	III-2	10/17/95	Spring hanger deletions
16		S31208MF020	111-2	9/7/95	CVCS ultrafiltration, filter vessel modifications
17		S31208MF020	111-2	9/7/95	CVCS ultrafiltration, vendor machining of housing
18		3PSV9207, S31208ML111	III-2	9/7/95	CVCS ultrafiltration, delete relief valve, cap line
19		S31208MU073	111-2	9/7/95	CVCS ultrafiltration, removed check viv internals
20		S3VC008H039	III-2	10/18/95	Replaced snubber w/rigid strut, no vt3
21		S3VC104H019S, H019W	111-2	10/18/95	Replaced snubbers w/rigid struts, no vt3
22		S31201ME612	111-1	12/7/95	Replaced pzr heater
23		S3ST002H026	111-2	10/23/95	Replaced snubber w/rigid strut
24		S3ST002H013A, H013B	111-2	10/17/95	Spring can deletion
25		S3ST002H061	111-2	10/17/95	Snubber deletions
26		S3ST002H059, H062, H064	111-2	10/17/95	Replaced snubbers w/rigid struts
27	95011848000	S3FS107H002	111-2	10/18/95	Snubber deletion
28	95011850000	S3FS107H006, H007B-T	111-2	12/4/95	
29	95011914002	S31201ME604	111-1	12/6/95	Replaced snubbers w/rigid struts Reinstalled heater and plugged
30		3PSV9225	III-1	12/11/95	
31	95032108000	S31204MR208			Replaced valve
32	95032106000	S3ST580H002	111-2	12/7/95	Replaced valve disc
33		S31301ME088	111-2	12/11/95	Replaced rigid strut w/snubber
	95040255001	S31220MX015	III-2	10/18/95	Replaced manway cover studs & nuts
			111-2	8/29/95	Repaired fuel transfer tube
	95040277001	S31301ME089	III-2	10/19/95	Replaced manway cover studs & nuts
	95040293000	S312C8MP190		12/7/95	Replaced valve stem
	95040418000	3HV9327		12/8/95	Replaced disc
		S31305ML189, 3-FW-189-006		10/16/95	Repair, flush ground ISI weld
	95040861000	\$31305ML190, 3-FW-190-006		10/16/95	Repair, flush ground ISI weld
	95050270000	S31204MU012		11/21/95	Replaced valve disc
	95051298001	S31301MR795		12/7/95	Replaced valve disc
		3PSV9387		12/8/95	Replaced valve & inlet flange studs
	95051680000	\$31201ME604		12/6/95	Heater removal support
		S31201ME604		12/6/95	Removed core of abandoned heater
		S31212ML004		12/8/95	Deleted valve and capped line
		S3ST016H703		11/16/95	Replaced load pin
		S3ST018H041	111-2	10/20/95	Replaced load pin
		S3SI063H714	[1]-1	10/23/95	Replaced load stud w/load pin
		S3SI165H008	111-1	12/6/95	Replaced pipe lugs
		3PSV8156	111-2	12/7/95	Replaced valve
51	95071272000	S31201MU021	111-1	11/21/95	Replaced disc & cover
ACCRECATE VALUE OF THE PARTY OF	95071274000	S31201MU020	III-1	12/8/95	Replaced valve disc

	MO	EQID	Class	NIS-2	Worksum
53	95071278001	3HV5686	III-2	12/7/95	Machined bonnet seat and face
54	95071396000	FGD-J3-PD-0120	111-2	12/11/95	Replaced 3-valve manifold
55	95071661001	S31201ME604	111-1	12/6/95	Machined heater plug from bar stock
56	95071689000	S3RCPLTH001	111-1	10/18/95	Repaired pipe guide
57	95071598000	S3RCPLTH003	111-1	10/18/95	Repaired pipe guide
58	95071738000	\$3\$T014H756	III-2	10/18/95	Replaced snubber
59	95071739000	S3ST610H002	111-2	10/18/95	Replaced snubber
60	95080046000	S3SS042H010	III-2	10/18/95	Replaced snubber
61	95080217001	S3ST001H065	111-2	11/16/95	Replaced load pin
62	95060345000	S3S1053H003	III-2	10/23/95	Replaced load stud
63	95080387000	S31201ME087	111-1	11/27/95	VT2 of RCS nozzies, WSI nozzle replacements
54	95080387090	S31201ML311,ML312,ML313,ML314	111-1	11/21/95	VT2, WSI piping reinstallation, new fittings
65	95080389000	S3SI048H007	III-2	10/31/95	Replaced load stud
66	95080440000	S31201ML156	III-2	12/8/95	Replaced flange boilting
57	95080452000	3FE0348	111-2	12/8/95	Replaced studs & nuts
58	95080871001	S31201MP002	111-1	12/8/95	Replaced heat exchanger to driver mount boiting
59	95080876000	S31208ME062	HI-2	12/8/95	Replaced manway cover studs/nuts
70	95080898000	S3SI063H712	111-1	10/23/95	Replaced snubber
71	95080905000	S31104CEDM #50	111-1	12/8/95	Machined ball seal housing
72	95081076000	S3SI165H006	111-1	10/23/95	Replaced snubber
73	95081091000	3TE0122-1	III-1	11/21/95	Prefab/installation of RTD nozzle, PDT nozzle
74	95081112000	\$3\$I087H021	111-2	10/23/95	Replaced snubber
75	95081331000	S3FW189H010T	111-2	10/18/95	Replaced snubber
76	95081483000	S3RCP01H001	111-1	9/29/95	Repaired snubber, drilled hole in clevis
77	95081590000	S3ST002H026	111-2	10/23/95	Replaced snubber w/rigid strut
78	95081597000	S31301MU597	111-2	11/21/95	Replaced valve
79	95081602000	S3RCP02H001	III-1	10/18/95	Repaired snubber
30	95081626000	S3RCP02H001	111-1	9/29/95	Repaired snubber, drilled hole in clevis
31	95081629000	S31201MP003	III-1	9/29/95	Repaired snubber, drilled hole in clevis
32	95081630000	S3RCP04H001	10-1	9/29/95	Repaired snubber, drilled hole in clevis
33	95081797000	S3ST002H064	III-2	10/18/95	Replaced load pins
34	95082156000	S31104CEDM #76	lii-1	12/4/95	Seal weld housing nut to ball seal
35	95090062000	3HV0509	III-2	12/8/95	Replaced valve plug
16	95090111000	S31201ME087	III-1	12/4/95	Replaced manway stud
37	95090157000	S3ST016H703	111-2	11/16/95	Replaced snubber
38	95090158000	S3ST016H701	111-2	10/18/95	Replaced load pin w/cotter type
19	95090165000	S3ST580H002	111-2	12/11/95	Replaced load pin
90	95090476001	S3ST580H002	111-2	12/11/95	Machined load pin
		S31201ML126, 3-RC-126-1H	111-1	12/4/95	Replaced blind flange
32	95090910000	3FT6312 3-VALVE MANIFOLD	III-2	12/7/95	Replaced 3-valve manifold

5 NDE RECORDS

NDE PROCEDURES:

	transcription of the second second second second second second
SO23-XXVII-20.28	Ultrasonic Examination of Reactor Vessel Flange Stud Hole Threads
SO23-XXVII-20.47	Magnetic Particle Examination
SO23-XXVII-20.48	Liquid Penetrant Examination
SO23-XXVII-20.49	Visual Examination Procedure to Determine the Condition of Nuclear Parts, Components and Surfaces
SO23-XXVII-20.50	Visual Examination Procedure for the Evidence of Leakage
SO23-XXVII-20.51	Visual Examination Procedure for Operability of Nuclear Components and Supports and Conditions Relating to their Functional Adequacy
SO23-XXVII-20.52	UT Examination of Nozzle Inner Radius Areas
SO23-XXVII-20.53	UT Examination of Thickness Measurement
SO23-XXVII-20.54	UT Examination of Nuclear Cooling System Ferritic Piping
SO23-XXVII-20.55	UT Examination of Nuclear Cooling System Austenitic Piping
SO23-XXVII-20.56	UT Flaw Sizing
SO23-XXVII-20.57	UT Examination of Steel Forged Bolts & Studs, 2" and Greater in Diameter.
SO23-XXVII-20.58	UT Examination of Ferritic Steel Welds Using Time-of-Flight Diffraction Method
SO23-XXVII-20.59	Planar Size Characterization to ASME Section XI Code Requirements
SO23-XXVII-20.60	Permanent Weld Marking
SO23-XXVII-20.61	Preparation of the "ADAM" System
SO23-XXVII-20.62	Evaluation & Analysis of UT C-Scan Data Using ADAM Plus UT Imaging System
SO23-XXVII-20.63	UT of Reactor Coolant Pump Flywheel
SO23-XXVII-20.66	UT of Vessel V/elds & Adjacent Base Metal

NDE PERSONNEL CERTIFICATION RECORDS

NAMES	METHOD	LEVEL	Cert	Eye Test
Lambert MacGill & Th	omas, Inc.			
Elwin L. Thomas	PT, MT, UT VT-1,2,3,4	III	X X	X X
Scott Erickson	MT, PT VT-1,2,3,4 UT	III III	X X X	X X X
Mark Seiwald	ET, MT, PT, UT, VT-	I II	X X	X X
Southern California Ed	ison			
Jason Janke	VT-1,2,3,4	II	X	X
T. M. Pierno	VT-1,2,3	II	X	X
R. Keller	VT-1,2,3	П	X	X
J.B. Seaholts	VT-1,2,3,4	П	X	X
Paul F Haderlie	VT-1,2,3,4	II	X	X

6 ISI PROCEDURES & TRAVELERS

ISI Procedures

Inservice Inspection Program SO23-IN-1 Inservice Inspection Program Implementation SO123-XVII-1 Inservice Inspection Maintenance SO123-XVII-1.1 Inservice Inspection of Class 1 Components and Their SO123-XVII-3.1 Supports Refueling Outage Interval Examination of the Reactor SO123-3.1.1 Coolant Pressure Boundary to Detect Leakage Inservice Inspection of Class 2 Components and Their SO23-XVII-3.2 Supports Inservice Inspection of Class 3 Components and SO23-XVII-3.3 Their Supports SO123-XVII-2 Inservice Inspection of Reactor Coolant Pump Flywheels

ISI Construction Work Orders (Travelers)

Inside Containment	.94120418
Outside Containment	.94082526

7 AUGMENTED EXAMINATIONS

Low Pressure Turbine Disc UT Examination

ISI ID Repetitive Maintenance Order (Traveler)

\$31301MK003 20000661200 \$31301MK004 20001661200

8.0 STEAM GENERATOR EXAMINATIONS



Southern California Edison Company

P. O. BOX 128

SAN CLEMENTE, CALIFORNIA 92674-0128

November 27, 1995

WALTER C. MARSH MANAGER OF NUCLEAR REGULATORY AFFAIRS TELEPHONE (714) 368-7501

U. S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, D.C. 20555

Subject: Docket No. 50-362

Special Report, Steam Generator Tubes Inservice Inspection

San Onofre Nuclear Generating Station, Unit 3

Reference: PWR Steam Generator Examination Guidelines, Revision 3,

Electric Power Research Institute (EPRI) Report

Number NP-6201, dated November 1992.

Pursuant to Surveillance Requirement 4.4.4.5(b) of Appendix A, Technical Specifications to Facility Operating License NPF-15, this report is being submitted to the Commission following the completion of an inservice inspection of steam generator tubes at San Onofre Unit 3.

Eddy current inspection of the steam generator tubing was completed on August 17, 1995. A total of 18,086 tubes (100% of the tubes in service) in two steam generators were inspected full length and 31 tubes were removed from service by mechanical plugging. This inspection significantly exceeded the inspection requirements of Surveillance Requirements 4.4.4.0 through 4.4.4.2.

The planned inspection programs for both steam generators were fully consistent with industry recommendations in the "PWR Steam Generator Examination Guidelines". The programs included inspection of the full length of all tubes with the bobbin probe, and inspection of all tubes with a rotating probe at the inlet top-of-tubesheet location. Further, they included inspection of 20% of the tubing with a rotating probe at the outlet top-of-tubesheet location, and full length profilometry of all tubes adjacent to tie rods.

In Steam Generator E-088, 9047 tubes were inspected full length. Fourteen tubes were preventively plugged due to degradation at a vertical strap support. Two tubes were preventively plugged due to degradation at an eggcrate support. One tube was found to exhibit distortion of the eddy current signal at the tube expansion transition at the inlet top-of-tubesheet location and was preventively plugged.

One tube in E-088 had a non-quantifiable indication by bobbin probe at the diagonal support on the inlet side of the tube, and was plugged. Rotating probe testing of the indication in this tube indicated volumetric (i.e., no specific axial or circumferential aspect) degradation.

Also in E-088, two tubes had a non-quantifiable indication, and one tube had a less than 20% indication, by bobbin probe, in the vicinity of or between the ninth eggcrate support and the diagonal support on the inlet side of the tube. In subsequent testing of these tubes and surrounding tubes, by a rotating probe, two additional tubes with a similar single volumetric indication at a similar location were identified. All five of these tubes were plugged.

In Steam Generator E-089, 9039 tubes were inspected full length. One tube was found by a rotating probe to have a circumferential indication at the inlet top-of-tubesheet location and was plugged. One tube was found to be defective due to a 49% throughwall indication above the lowest eggcrate support on the outlet side of the tube, and was plugged. One tube was found to be defective due to a 44% throughwall indication at a diagonal support on the inlet side of the tube, and was plugged. Two tubes were found by rotating probe to have a single volumetric indication at the outlet top-of-tubesheet and were plugged. Three tubes were preventively plugged due to degradation at a vertical strap support.

As required by Surveillance Requirement 4.4.4.5(b), complete results of the recently completed inservice inspection of steam generator tubing are provided in the enclosures. Enclosure 1 provides the steam generator internal location reference guide. The eddy-current indication locations listed in the remaining enclosures are based upon this guide. Enclosure 2 provides a list of abbreviations used to describe the indications from rotating probe testing in the remaining enclosures. Enclosures 3 and 5 provide a list of eddy current testing indications, including tube identification, indication depth for bobbin probe indications, indication description for rotating probe indications, and the axial location of the indication in the tube. Enclosures 4 and 6 provide a list of tubes plugged after completion of the inservice inspection.

If you require any additional information, please so advise.

Status C Marsh

Enclosures (6)

cc: L. J. Callan, Regional Administrator, NRC Region IV

J. E. Dyer, Director, Division of Reactor Projects, NRC Region IV

K. E. Perkins, Jr., Director, Walnut Creek Field Office, NRC Region IV

J. A. Sloan, NRC Senior Resident, San Onofre Units 1, 2 & 3 M. B. Fields, NRC Project Manager, San Onofre Units 2 and 3 Institute of Nuclear Power Operations (INPO)

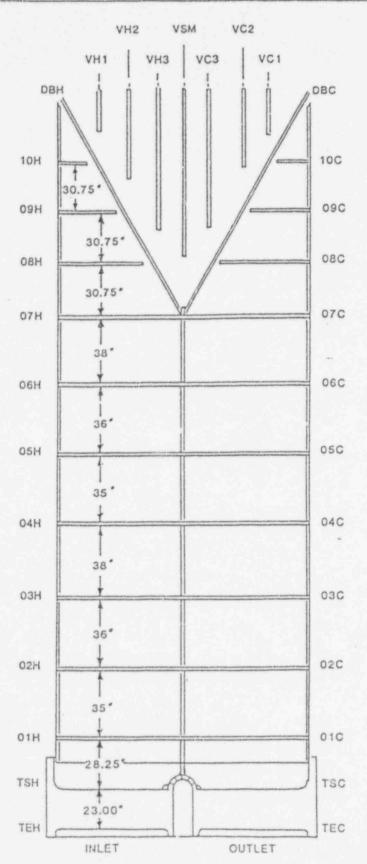
The following Code Cases of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, were used:

N-401-1: Digitized Collection and Storage of Eddy

Current Test Data

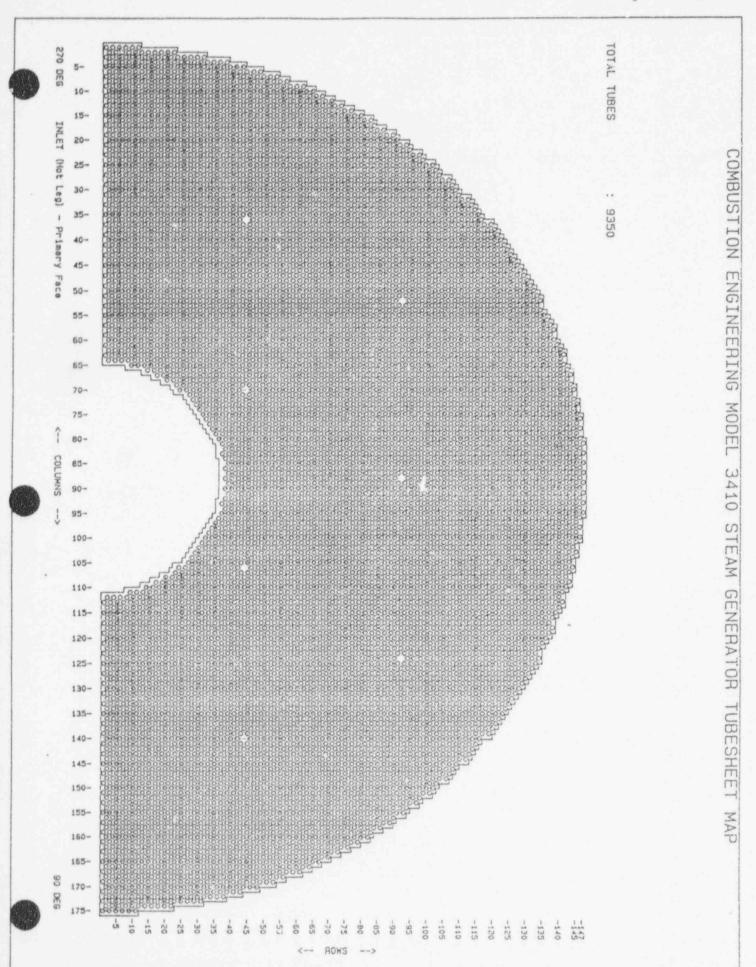
N-402-1: Eddy Current Calibration Standards

Enclosure 1
CE MODEL 3410 TUBE SUPPORT DRAWING



Enclosure 1 CLARIFICATION OF TUBING/SUPPORT INTERFACES ABOVE THE 7TH FULL EGGCRATE SUPPORT

ROW(S)		TUBING	/SUPPORT	INTERFACE	<u>ES</u>		
120-147_	08H,09H,10H	,DBH,VH1	,VH2,VH3	VSM, VC3,	/C2,VC1	DBC,10C	,09C,08C
115-119_	08H,09H	DBH, VH1	,VH2,VH3	VSM, VC3, V	/C2,VC1	, DBC	090,080
84-114	08H,09H	DBH	VH2,VH3	VSM, VC3,	/C2	DBC	090,080
83	08H	DBH	VH2,VH3	VSM, VC3, V	/C2	DBC	080
51-82	08H	DBH	VH3.	VSM, VC3,		DBC	080
49-50	08Н	DBH		VSM		DBC	080
19-48	Sunfaced to the second country order surrounds. Surveyors and	DBH		VSM		DBC	
1-18		DBH				DBC	



Enclosure 2

LIST OF ABBREVIATIONS USED TO DESCRIBE THE INDICATIONS FROM ROTATING PROBE TESTING

Abbreviation	Explanation of the Abbreviation
SCI MCI SAI MAI SVI	Single Circumferential Indication Multiple Circumferential Indications Single Axial Indication Multiple Axial Indications Single Volumetric Indication (i.e., no specific axial or circumferential aspect)

ENCLOSURE (3) CUMULATIVE REPORT

07/95, SOUTHERN CALIFORNIA EDISON, SAN ONOFRE, UNIT 3

STEAM GENERATOR : 88

OUTAGE DATA SET : CURRENT
SELECTION VAKIABLES: Percent

PAGE: 1 OF 5 DATE: 08/25/95 TIME: 08:32:31

		EXAM	1		EXAM E	EXTENT				-							
ROW	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MIL	DEG	%	CH	CHN
43	5	07/95		C	TEC-TEH	TEC-TEH	No. of Street, or other Desires.	00034	580UL	04C-	0.14	0.23		0	<20	P	2
37		07/95		C	TEC-TEH	TEC-TEH		00034	580UL	05H+	3.40	0.70	1	154	<20	1	1
78		07/95	i	С	TEC-TEH	TEC-TEH			580UL		1.02	0.53		0	28	P	2
86		07/95		C	TEC-TEH	TEC-TEH		00057	580UL	VSM-	1.17	0.19	1	0	<20	P	2]
89		07/95		C	TEC-TEH	TEC-TEH		00078	580UL	VHZ+	0.30	0.43		0	20	P	2
80	30	07/95		C	TEC-TEH	TEC-TEH		00056	580UL	TSC+	2.15	0.43		155	<20		1
102		07/95		С	TEC-TEH	TEC-TEH		00078	580UL	08C-	0.97	0.48		0	21	P	2
104		07/95		C	TEC-TEH	TEC-TEH		00056	580UL	VH2-	0.71	1 0.67		0	25	P	2
		07/95		Н	TEH-TEC	TEH-TEC		00114	580UL	VH2+	0.41	0.77		0	34	P	2
		07/95		C	TEC-TEH	TEC-TEH		00056	580UL	VC2+	0.86	0.25		0	<20	P	2
75	31	07/95		C	TEC-TEH	TEC-TEH		00078	580UL	VH3+	0.89	0.30		0	<20	P	21
76		07/95		C	TEC-TEH	TEC-TEH		00058	580UL	VH3+	0.82	0.46	1	0	23	P	2
114		07/95		C	TEC-TEH	TEC-TEH		00058	580UL	DBC-	1.83	0.49	1	0	22	P	2
97		07/95		С	TEC-TEH	TEC-TEH		00059	580UL	01H+	12.14	0.95	i	153	<20		1
82		07/95		C	TEC-TEH	TEC-TEH		00059	580UL	V1:3-	0.12	0.46		0	26	P	2
112		07/95		c	TEC-TEH	TEC-TEH		00078	580UL	VC2-	0.24	0.61		0	26	P	2
81		07/95		C	TEC-TEH	TEC-TEH		00058	580UL	VH3-	0.63	0.54		0	24	P	2
60		07/95	e i	C	TEC-TEH	TEC-TEH		00042	580UL	VC3+	1.25	1 0.26	1	0	<20	P	2
27		07/95		C	TEC-TEH	TEC-TEH		00051	580UL	02H+	25.36	1.01		158	<20	1	1
49		L7/95		C	TEC-TEH	TEC-TEH		00042	580UL	08H+	1.56	0.44		0	<20	P	5
86	46	07/95	(×)	C	TEC-TEH	TEC-TEH		00061	580UL	08H+	2.43	0.38	Į	0	24	P	2
71	47	07/95		C	TEC-TEH	TEC-TEH		00054	580UL	VSH-	0.93	0.52		0	25	P	2
89	47	07/95	1	C	TEC-TEH	TEC-TEH		00060	580UL	VSM+	0.98	0.16	1	0	<20	P	2 [
76	48	07/95		C	TEC-TEH	TEC-TEH		03000	580UL	VSM-	0.81	0.34		0			2]
	1	07/95		C	TEC-TEH	TEC-TEH		00060	1580UL	VSH+	0.93	0.34	5	0			2
	1	07/95		C		TEC-TEH		00060	580UL	VC3+	1.02	0.20		0	<20		2
94	48	07/95		C	TEC-TEH	TEC-TEH		00061	580JL	VH2+	0.83	0.45		0		P	
98	48	07/95		C	TEC-TEH	TEC-TEH		00051	580UL	ACS+	0.76	0.26	3		<20		2
113	49	07/95		C	TEC-TEH	TEC-TEH		00060	580UL	DBH+	1.78	0.31	2	- 0	<20	5	2
106	50	07/95		C	TEC-TEH	TEC-TEH		00061	580UL	VH2+	0.80	0.39		0			21
	1	07/95		C	TEC-TEH	TEC-TEH	i	00061	580UL	VH3+		0.20		0	<20	*	2
131	51	07/95		C	TEC-TEH	TEC-TER		00073	580UL	DSC+	1.85	0.45		0	25		2
126	52	07/95		C	TEC-TEH	TEC-TEH			580UL		1.12	0.15		0			2
126	54	07/95		C	TEC-TEH	TEC-TEH		00072	580UL	VH1-	0.85	0.36		0	<20	1	
128	56	07/95		Н	TEH-TEC	TEH-TEC		00114	580UL	VH1+		0.66		5	32	2	
112	58	07/95		C	TEC-TEH	TEC-TEH		Same and	580UL			0.35		2	<20		10.0
	1	07/95		C	TEC-TEH	TEC-TEH		00062	580UL	VH2+		0.36	2	3	<20		
	1	07/95		C	TEC-TEH	TEC-TEH		00062	580UL	VH3+		0.41	2		<20		
126	58	07/95		C	TEC-TEH	TEC-TEH		00072	580UL	VH1-		0.58			24	8	
25	59	07/95		1 0	TEC-TEH	TEC-TEH			580UL			0.36	0	149			- 12
73	61	07/95		C	TEC-TEH	TEC-TEH		A ST. OF STREET	580UL		W	0.28			<20		- 1
137	61	07/95		C	2	TEC-TEH		a marine	580UL			0.48			21		- 4
140	62	07/95		C	TEC-TEH				58001.			0.29	2		<20	3	
81	65	07/95		C	TEC-TEH	TEC-TEH			580UL			0.51	2	2	24		
141	65	07/95		C	TEC-TEH	TEC-TEH	1	00074	580UL	DBC+	1.90	0.49	1	0	<20	P	2

STEAM GENERATOR : 88

OUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

PAGE: 2 OF 5 DATE: 08/25/95 TIME: 08:32:31

		EXAM			EXAM E	XTENT	1	1									
NOS	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MIL	DEG	z	CH	CHNO
18	66	07/95		c	YEC-TEH	TEC-TEH	-	00063	580UL	G6H+	3.03	1.18		149	<20	1	
26	66	07/95	i	C	TEC-TEH	TEC-TEH		00074	580UL	VH1-	0.76	0.37		0	<20	P 2	1
42		07/95		C	TEC-TEH	TEC-TEH			580UL		1.95	0.40		0	<20	P 2	1
		07/95		С	TEC-TEH	and the second		00074	580UL	VH1+	0.90	0.43		0	<20	P 2	1
	i	07/95		С	TEC-TEH	TEC-TEH		00074	580UL	DBC+	1.91	0.45		0	<20	P 2	1
97	67	07/95		C	TEC-TEH	TEC-TEH	i	00063	580UL	09H+	0.98	1 0.72		0	33	P 2	1
41		07/95		C	TEC-TEH	TEC-TEH		00074	580UL	DBH-	0.91	0.25		0	<20	P 2	1
82		07/95		C	TEC-TEH	TEC-TEH		00065	580UL	VH3-	1.00	0.14		0	<20	P 2	1
10	68	07/95		C	TEC-TEH	TEC-TEH	1	00065	580UL	VH2-	0.81	0.21		0	<20	P 2	1
43	69	07/95		C	TEC-TEH	TEC-TEH		00054	580UL	VSM-	0.84	0.24		0	<20	P 2	1
81		07/95		С	TEC-TEH	TEC-TEK		00064	580UL	VC3+	0.73	0.50		0	20	P 2	1
91	5	07/95		С	TEC-TEH	TEC-TEH	i	00065	580UL	08H+	0.77	0.21		0	<20	P 2	1
03		07/95			09H-DBH			00127	600PP	DBH+	1.53	0.18		0	SVI	5	1
		07/95		С	TEC-TEH	TEC-TEH		00065	580UL	DBH+	1.56	1 0.21	1	0	<20	P 2	1
		07/95		н	109H-D6H	DOH-DBH	1	00122	600RC	DBH+	1.86	0.67		0	SVI	4	1
00	70	07/95		н	09H-09H	09H-09H	1	00118	600RC	09H+	15.93	0.73		0	SVI	4	1
02		07/95			09H-0BH			00122	600RC	09H+	15.30	0.87	-	0	SVI	1 4	1
04		07/95			TEC-TEH				580UL		0.96	0.59		0	23	P 2	1
42		07/95			TEC-TEH			100074	580UL	DBC+	2.08	0.42		0	<20	P 2	1
44		07/95			TEC-TEH				580UL		2.01	0.63		0	20	P 2	1
77		07/95			TEC-TEH	and the same is a		00064	580UL	VH3+	0.80	0.59		0	23	P 2	1
05	1	07/95		Н		09H-DBH		00122	600RC	DBH+	2.14	0.60		0	SV!	4	1
44		07/95		С	TEC-TEH				580UL		0.93	0.32		0	<20	P 2	1
38		07/95		C	TEC-TEH				580UL		0.80	0.59	. 1	0	<20	P 2	1
44		07/95			TEC-TEH	A SALES AND ASSESSED.			580UL		0.90	0.25		0	<20	P 2	1
37		07/95		н	TEH-TEC				580UL		0.61	0.73		0	33	P 2	1
39		07/95		C	TEC-TEH				580UL		1.04	0.29		0	<20	P 2	
81		07/95		C		TEC-TEP			580UL		0.90	1 0.42		0	<20	P 2	1
97		07/95			TEC-TEH		i		580UL		0.69	0.42		- 0	<20	P 2	1 -
99		07/95	- 1		TEC-TEH				580UL		0.83	1 0.47		0	26	P 2	1
		07/95		н	109H-09H			00118	600RC	109H+	12.17	0.39		0	SVI	1	1
94		07/95			TEC-TE		5		580UL		0.37	0.26		0	<20	P 2	1
30		07/95		C	TEC-TEH				580UL		0.94	0.17		0	<20	P 2	1
32		07/95			TEC-TEH		2	100075	580UL	VH1-	0.91	0.32		0	20	P 2	1
38		07/95			TEC-TEH				580UL		0.91	0.74		0	23	P 2	1
39	2	07/95			TEC-TEH				580UL	-	1.04	0.32		0	<20	P 2	1
75		07/95			TEC-TEH			The second second	580UL		0.86	0.23	3			P 2	
93	2	07/95			TEC-TEH				580UL		0.26	0.25		0 0		P 2	
95		07/95			TEC-TEH				580UL		0.62	0.29				P 2	2
38		07/95			TEC-TEH				580UL		0.23	0.24				P 2	2
44		07/95			TEC-TEH				580UL	increase.	1.00	0.40				P 2	2
46	2 - 1	07/95			TEC-TEH			and the second	580UL		1.81	0.40	3 6			P 2	20
		07/95			TEC-TEH			D	580UL		0.85	0.35				P 2	2
77					TEC-TEH				580UL		2.00	0.43				P 2	0 .
46		07/95									0.79	0.30				P 2	2
47	1 14	07/95		C	TEC-TEH	IEC-IEN	1	2000	580UL	1 25/1	0.117	1 0.50					1

STEAM GENERATOR : 88

OUTAGE DATA SET : CURRENT

SELECTION VARIABLES: Percent

PAGE: 3 OF 5 DATE: 08/25/95 TIME: 08:32:31

		EXAM	A 00		EXAM E	EXTENT		1	1								
NON	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MIL	DEG	%	CH	CHN
33	79	07/95			TEC-TEH	TEC-TEH	-	00075	580UL	VH1-	1.04	0.30		0	<20	P 2	-
46	80	07/95		C	TEC-TEH	TEC-TEH		00074	580UL	DBC+	1.86	0.25		0	<20	P 2	1
75	81	07,95		С	TEC-TEH	TEC-TEH		00069	580UL	VH3+	0.83	1 5.45		0	24	P 2	1
36	82	07/95		C	TEC-TEH	TEC-TEH		00074	580UL	VH1+	0.82	0.46		0	<20	P 2	1
02	84	07/95		C	TEC-TEH	TEC-TEK		00069	580UL	DBH+	1.61	0.17		0	<20	P 2	1
14	84	07/95		C	TEC-TEH	TEC-TEH		83000	580UL	DBH+	1.95	0.44		0	<20	P 2	1
51	85	07/95		C	TEC-TEH	TEC-TEH		00125	580UL	03C+	18.43	0.81		158	<20	1	1
06	86	07/95		С	TEC-TEH	TEC-TEH		00069	580UL	VH3-	0.65	0.21		0	<50	P 2	1
34	86	07/95		C	TEC-TEH	TEC-TEH		00075	580UL	VH1-	0.91	0.85		0	34	P 2	1
47	87	07/95		C	TEC-TEH	TEC-TEH		00125	580UL	DBH+	1.78	0.14		0	<20	P 2	1
H		07/95		С	TEC-TEH	TEC-TEH		00125	580UL	VSM-	0.63	0.16		0	<20	P 2	1
		07/95		C	TEC-TEH	TEC-TEH		00125	580UL	DBC+	2.04	0.29		0	<20	P 2	1
50	88	07/95		C	TEC-TEN	TEC-TEH		00125	580UL	DBC-	1.50	0.21			<20		1
38	88	07/95		C	TEC-TEH	TEC-TEH		00118	580UL	VH1-	0.80	. 0.38		0	<20	P 2	1
47	89	07/95		C	TEC-TEH	TEC-TEH		00118	580UL	DBC-	1.95	0.56	-	0	26	1 2	1
38	90	07/95		C	TEC-TEH	TEC-TEH		00118	580UL	VH1-	0.78	0.88		1 0	24	P 2	1
		07/95		C	TEC-TEH	TEC-TEH		00118	580UL	010+	12.42	2.27	-	155	<20	1	1
81	91	07/95		C	TEC-TEH	TEC-TEH		00110	580UL	vc3-	0.03	1.05		0	36	P 1	1
34	92	07/95		Н	TEH-TEC	TEH-TEC		00114	580UL	VH1-	0.85	0.93		0	37	P 2	1
46	92	07/95		C	TEC-TEH	TEC-TEH		00118	580UL	10C+	0.80	0.28		0	<20	P 2	1
51	93	07/95		C	TEC-TEH	TEC-TEH		00125	580UL	DBH-	1.41	0.35	- 1	0	<20	P 2	1
75	93	07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VSM+	0.99	0.24		0	<20	P 2	1
77	93	07/95	- 1	н	TEH-TEC	TEH-TEC		00114	580UL	VSM+	0.54	0.69	-	0	33	P 2	1 -
79	93	07/95	- 1	C	TEC-TEH	TEC-TEH		00111	580UL	VH3+	1.19	0.28		0	<20	P 2	L
- 1		07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VSM+	0.94	0.47	- 1	0	21		1
- 1		07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VC3-	0.81	0.33		0	<50		
36	94	07/95		C	TEC-TEH	TEC-TEK		00119	580UL	VH1-	0.97	0.65		0		b 5	
44	96	07/95		C	TEC-TEH	TEC-TEH	- 1	00119	580UL	VH1+	0.86	0.43		0		P 2	
82	98	07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VH3-	0.79	0.32		- 0	<20		1
94	98	07/95		C	TEC-TEH	TEC-TEH		00111	580UL	02H-	1.21	0.24		0	21		1
46	100	07/95		C	TEC-TEH	TEC-TEH		00094	580UL	DBH+	1.82	0.33	. 1	0	<20		1
92	100	07/95		C	TEC-TEH	TEC-TEH		00110	580UL	09H-	0.84	0.50		0	25	P 2	
43	101	07/95				TEC-01H		00094	580UL	VSM-	0.65	0.44	- 17		<20		
79	101	07/95		C	TEC-TEH	TEC-TEH			580UL		0.84	0.40			<20		
- 1		07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VH3+	0.87	0.40			<20		-
- 1		07/95		C	TEC-TEH	TEC-TEH		00111	580UL	VSM-	0.82	0.25		3	<20		2
34	102	07/95		C	TEC-TEH	TEC-TEH		00117	580UL	AHS+	0.63	0.29			<20		7
35	103	07/95		C	TEC-TEH	TEC-TEH		00117	580UL	VH1-	0.81	0.46			21		
1		07/95		C	TEC-TEH	TEC-TEH		00117	580UL	VH1+	0.90	0.53		0	23	P 2	
1		07/95		C	TEC-TEH	TEC-TEK		00117	580UL	VH2-	0.78	0.43	1 6		20		
26	104	07/95	- 1	C	TEC-TEH	TEC-TEH		00117	580UL	VH1-	0.92	0.29			<20		
34	104	07/95	1	c	TEC-TEH	TEC-TEH		00117	580UL	VH1-	0.82	0.17		0	<20	P 2	
42	104	07/95		C	TEC-TEH	TEC-TEH	- 1	00117			1.84	0.27	-13		<20		
91	105	07/95		C	TEC-TEH	TEC-TEH		00111	580UL	09H-	0.21	0.28			25		2
05	105	07/95		C	TEC-TEH	TEC-TEH		00114	580UL	VK2-	0.45	0.14		0	<20	P 2	

STEAM GENERATOR : 88

OUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

DATE: 08/25/95 TIME: 08:32:31

PAGE: 4 OF 5

		EXAM			EXAM I	EXTENT		1		1		. 1				
NON	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MILIDE	1 %	CH	CHN
38	106	07/95		C	TEC-TEH	TEC-TEH		00093	580UL	VSM+	1.02	0.18		<20	P 2	1
		07/95	5 12		TEC-TEH		5		580UL		1.09	0.29	1 (1<20	P 2	1
		07/95			TEC-TEH				580UL		1.18	0.37		1 20	P 2	1
		07/95			TEC-TEH				580UL		0.24	0.30	100	25	P 2	i
		07/95	5		TEC-TEH				580UL		0.79	0.35	1 (1<20	P 2	i
		07/95			TEC-TEH				580UL		0.64	0.25	10	1<20	P 2	ĺ
75		07/95	5	Н		TEH-TEC			580UL		0.96	1 0.46	1 0	26	P 2	1
	0.00	07/95	0 1	C		TEC-TEH			580UL		0.89	0.48	1 0	1 26	P 2	İ
	5 6	07/95			TEC-TEH				580UL		0.76	0.40	1 (29	P 2	1
43	S. Branch	07/95	1 1		TEC-TEH	Landa Barbara			580UL		0.89	0.32	1 0	1<20	P 2	1
		07/95		С		TEC-TEH			580UL		0.66	0.58	1 0	1 24	P 2	1
		07/95	5		TEC-TEH				580UL		0.79	0.49	i	1 21	P 2	1
		07/95	5 0	C		TEC-TEH	2 1		580UL		1.62	0.33	1 0	1<20	P 2	i
		07/95	5 5		TEC-TEH		500		580UL		0.31	0.49		1<20		2
		07/95			TEC-TEH				580UL		0.74	0.68		23		
		07/95	1 1		TEC-TEH		51		580UL		0.98	0.27		1<20	1	2
		07/95		C		TEC-TEH			580UL		0.82	0.16		1<20		
		07/95	1 1	C		TEC-TEH			580UL		0.82	0.28		1<20	1	2
		07/95		C		TEC-TEH			580UL		1.04	0.29		1<20	7	
		07/95	1 1	C		TEC-TEH			580UL		0.83	0.22		<20		-
10	164	07/95	1 1	C		TEC-TEH			580UL		0.83	0.16		<20	2	
1.	192	07/95		C		TSC-TEH			580UL		0.84	0.26		<20		-
		07/95			TEC-TEH				580UL		0.56	0.21		<20		
		07/95			TEH-TEC				580UL		1.01	0.60		30		0
01		07/95			TEC-TEH			and the same of	580UL		0.85	0.41		<20		
80		07/95	5		TEC-TEH				580UL		0.66	0.99		35		
00		07/95	1		TEC-TEH				580UL		0.87	0.43		1<20		2
02									580UL		0.97	0.45			P 2	*
02	120	07/95			TEC-TEH			The second	580UL		0.70	0.47			P Z	3
		07/95			TEC-TEH		2		580UL		0.59	0.61			P 2	
	5 3	07/95			TEH-TEC				580UL		0.81	0.63		1	P 2	7
72	i a secoli	07/95			TEC-TEH			and the same of	580UL		0.81	1.03		1	P 2	1
			1						580UL		0.79	0.59		1	P 2	2
		07/95			TEC-TEH											2
	Common and	07/95			TEC-07H	kan arang managan ang		00082	Action and the second		W 200	1.13		<20		
		07/95			TEC-TEH			Lawrence LA	580UL		0.85	0.57		27	-	
ou		07/95		0.01	TEC-TEH		3	00114			0.87	0.24		<20		2
		07/95	š		TEH-TEC		1	00114	in the second second		0.92	0.76	1	34		
77	5	07/95			TEC-TEH	The same of the same of		00114			0.51	0.38		<20		
4-25		07/95			TEC-TEH				580UL		0.80	0.39		<20 2n		
		07/95			TEC-TEH		5 11		580UL		0.62	0.53		20		
441		07/95	1		TEC-TEH			00117			1.05	0.51		25		
44		07/95	5 75		TEH-TEC		5 - 6	00114	San		1.19	0.66		32		
0/		07/95	5		TEC-TEH		3 6	00097			1.00	0.48		25		
		07/95	2" (3		TEC-TEH		5	00103			0.92	0.30		<20		2
67	137	07/95		C	TEC-TEH	TEC-TEH		00103	580UL	03H-	1.50	0.28	1 0	<20	P 2	1
		-		distant.	-	-	-	-		-				1		1

STEAM GENERATOR : 88 OUTAGE DATA SET : CURRENT SELECTION VARIABLES: Percent

PAGE: 5 OF 5 DATE: 08/25/95 TIME: 08:32:31

		EXAM			EXAM E	EXTENT						1					
ROW	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MILID	EG	×	CH	CHNC
22	138	07/95		c	TEC-TEH	TEC-TEH	*********	00086	580UL	02H+	0.15	0.43		0	<20	P 2	1
80	140	07/95		C	TEC-TEH	TEC-TEH		00102	580UL	VC3-	1.05	0.42		0	20	P 2	1
		07/95		C	TEC-TEH	TEC-TEH		00102	580UL	VC3+	0.81	0.33		01	<20	P 2	1
16	142	07/95		C	TEC-TEH	TEC-TEH		00086	580UL	05H+	1.29	0.41	1 1	01	<20	P 2	1
80	142	07/95		C	TEC-TEH	TEC-TEH		00101	580UL	VH3-	0.99	0.30		01	21	P 2	1
-		07/95		C	TEC-TEH			00101	580UL	VH3+	0.42	0.38	1	01	25	P 2	1
- 1		07/95		C	TEC-TEH	TEC-TEH		00101	580UL	VSM-	0.73	0.33		01	23	P 2	1
		07/95		C	TEC-TEH	TEC-TEH		00101	580UL	vc3-	0.78	0.24		01	<20	P 2	1
- 1		07/95		С	TEC-TEH	TEC-TEH		00101	580UL	VC3+	0.57	0.22	1 1	01	<20	P 2	1
57	143	07/95		C	TEC-TEH	TEC-TEH		00096	580UL	05H-	0.86	0.40	1 1	01	<20	P 2	1
		07/95		н	YEH-TEC	TEH-TEC		00114	580UL	VH2-	0.47	0.68	1	01	32	P 2	1
. 1		07/95		C	TEC-TEH			00100	580UL	VH3+	1.20	0.45		01	21	P 2	1
94	146	07/95		C	and the control	TEC-TEH		00101	580UL	VH3-	0.93	0.24		01	<20	P 2	1
		07/95		C		TEC-TEH		00098	580UL	03H-	0.93	0.47		01	22	P 2	1
		07/95		С	A COLUMN TO SERVICE	TEC-TEH		00101	580UL	VH3+	0.63	0.23	1 1	01	<20	P 2	1
100		07/95		C	Comment of the last	TEC-TEH			580UL		0.95	0.30	i	0	<20	P 2	i
		07/95		C	Action Action	TEC-TEH		00100	580UL	VC3+	0.77	0.30		01	<20	P 2	1
		07/95		С	TEC-TEH	TEC-TEH		00101	580UL	05C+	0.99	0.22		01	<20	P 2	1
		07/95		С	TEC-TEH	TEC-TEH		00085	580UL	VSM+	0.68	0.28		01	<20	P 2	1
		07/95			TEC-TEH			00100	580UL	08C-	0.31	0.46		01	<20	P 2	1
		07/95	1		TEC-TEH			00100	580UL	DSH+	2.12	0.34		01	<20	P 2	1
		07/95	4-1	C	TEC-TEH	TEC-TEH!		00100	580UL	08H+	1.27	0.48		01.	<20	P 2	1
		07/95		C	TEC-TEH	TEC-TEK		00080	580UL	06C+	0.87	0.37	1	01.	<20	P 2	1

NUMBER OF TUBES SELECTED FROM CURRENT OUTAGE: 164

NUMBER OF DATA RECORDS SELECTED FROM CURRENT OUTAGE: 203

NO TREND ANALYSIS REQUESTED

DATA SELECTION CRITERIA:

Percent: MAI, MCI, SAI, SCI, SVI, MVI, 0 to 100%

REPORT OPTIONS:

Only examination results matching criteria are included

Enclosure 4 LIST OF TUBES PLUGGED

San Onofre Unit 3 Steam Generator E-088

Row	Column	Reason
. 101	25	Preventive Maintenance
104	30	Preventive Maintenance
128	56	Preventive Maintenance
97	67	Preventive Maintenance
103	69	Preventive Maintenance
100	70	Preventive Maintenance
102	70	Preventive Maintenance
105	71	Preventive Maintenance
37	73	Preventive Maintenance
99	73	Preventive Maintenance
134	86	Preventive Maintenance
81	91	Preventive Maintenance
134	92	Preventive Maintenance
. 77	93	Preventive Maintenance
136	94	Preventive Maintenance
46	96	Preventive Maintenance
81	125	Preventive Maintenance
80	126	Preventive Maintenance
82	126	Preventive Maintenance

Enclosure 4

LIST OF TUBES PLUGGED

San Onofre Unit 3 Steam Generator E-088

Row	Column	Reason
76	128	Preventive Maintenance
108	130	Preventive Maintenance
44	136	Preventive Maintenance
106	144	Preventive Maintenance

ENCLOSURE (5)

07/95, SOUTHERN CALIFORNIA EDISON, SAN ONOFRE, UNIT 3

STEAM GENERATOR : 89
CUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

PAGE: 1 OF 3 DATE: 08/25/95 TIME: 08:36:34

		EXAM			EXAM I	EXTENT			1			1					
ROW	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS M	LIDE	G S	4	СН	CHN
1	1	07/95		н	TSH-TSH	TSH-TSH		00002	600PP	TSH+	0.16	1.39	17	6	56	5	
1		07/95		Н	TSH-TSH	TSH-TSH		00025	600PP	TSH+	0.24	1.22	1 8	3 3	16	1	1
27	3	07/95	i	C	TEC-TEH	TEC-TEH		00106	580UL	TSH+	10.24	0.91	116	0 <	105	1	1
42		07/95				TEC-TEH			580UL		0.19	0.17	1	0 <	105	P 2	1
1		07/95		C	TEC-TEH	TEC-TEH		00110	580UL	VSM+	0.96	0.76	1	0 2	29	P 2	1
61		07/95		C	TEC-TEH	TEC-TEH		00110	580UL	VSM+	1.87	1.25	115	3 4	105	1	1
50	10	07/95	1	C	TEC-TEH	TEC-TEH		00110	580UL	VSM-	0.70	1.36	1	0 3	19	P 2	1
51	11	07/95	i	C	TEC-TEH	TEC-TEH		00111	580UL	03C-	1.10	0.29	1	0 <2	105	P 2	1
71	0.00	07/95		C	TEC-TEH	TEC-TEH		00094	580UL	VH3-	0.63	0.53	1	0 <2	10	P 2	1
80	16	07/95	i	C	TEC-TEH	TEC-TEH		00091	580UL	DBC+	2.22	0.52	1	0 <2	0.	P 2	
50	100	07/95				TEC-TEH	3 3	00110	580UL	VSM-	0.72	0.33	1	0 <2	0	P 2	
821		07/95	i			TEC-TEH			580UL		0.82	0.62	1	0 2	7	P 2	1
65		07/95				TEC-TEH	esc.		580UL		6.30	0.70	111	3 4	9	1	ĺ
1		07/95	i	C		01C-02C		00128	600PP	010+	6.40	0.26	1 5	8 84	1	P 2	1
75	19	07/95	i	C	TEC-TEH	TEC-TEH		00091	580UL	VC3+	0.16	0.53	1	0 <2	0	P :	
73		07/95	i			TEC-TEH		00090	580UL	DBH-	0.69	0.41	1	0 2	1	P 2	1
19	43	07/95	i	C	TEC-TEH	TEC-TEH		00087	580UL	TSC+	5.46	0.35 -	114	9 <2	10	1	1
88	46	07/95	i	C	TEC-TEH	TEC-TEH		00084	580UL	DBC-	1.75	0.21	1	0 <2	0	2	1
66	52	07/95	1	C	TEC-TEH	TEC-TEH		00110	580UL	02H-	1.21	0.31	1	0 <2	0	2 9	1
13	53	07/95	1	C	TEC-TEH	TEC-TEH		00076	580UL	060+	25.48	0.38	114	6 2	3	1	
77	59	07/95	1	C	TEC-TEH	TEC-TEH		00085	580UL	VSM-	0.55	1.27	1	0 3	2 1	2	1
1	1	07/95	1	C	TEC-TEH	TEC-TEH		00085	580UL	VC3+	0.92	0.66	1	0 2	1 1	5 5	
i	1	07/95	1	C	TEC-TEH	TEC-TEH	- 1	00121	580UL	VC3+	0.79	0.71	1	0 2	1	5 5	
24	60	07/95	1	c	TEC-TEH	TEC-TEH	- 1	00093	580UL	03H-	1.05	0.61	1	0 <2	0 1	2	
77	61	07/95	- 1	c j	TEC-TEH	TEC-TEH	- 1	00085	580UL	VSM+	0.90	0.91	1	0 2	6/1	5 5	
78	62	07/95	1	c	TEC-TEH	TEC-TEH	- 1	00085	580UL	VC3-	0.77	0.57	1	0 <2	0 1	5 5	
411	63	07/95	1	C	TEC-TEH	TEC-TEH		00092	580UL	DBH+	2.01	0.41	1	0 <2	0 1	5	
50	64	07/95	i	C	TEC-TEH	TEC-TEH	- 1	00113	580UL	VSM+	0.81	0.58	1	0 2	3 1	2	
29	65	07/95	i	c	TEC-TEH	TEC-TEH	1	00092	580UL	VH2-	1.18	0.35	1	0 <2	0 1	5	
42		07/95	i	C	TEC-TSC	TEC-TSC	i	00133	600PP	TSC-	0.28	0.31	1	OSV	1	4	
30		07/95	i	17		TEC-TEH	12	00092			0.67	0.33	1	0 <2	0	2	
77		07/95	i	- 1		TEC-TEH!	- 2	00083			0.77	0.63	i	0 2	1	2	
00		07/95	i			TEC-TEH			580UL		0.56	0.53	i	0 2	4 1	2	
		07/95	i			TEC-TEH	- 3	00092	Acres and the same of		1.14	0.84	î	0 2	5	2	
		07/95	i			TEC-TEH	- 1	00092	and the second			0.60	131	0 2			
08		07/95	i	- 2		TEC-TEH!	12	00080	and the second			0.89		2 2			
-		07/95	i			TEC-TEH	- 2	00080				1.08	3	7 2	12	1	
180	100	07/95	i	- 2		TEC-TEH	- 77	00080			0.78	0.24	2	0 <2		2	
47		07/95	i			TEC-TEH!	- 0	00094			0.65	0.22		0 <2			
39	447	07/95	i			TEC-TEH!	- 2	00094			0.94	0.20	- 2	0 <2			
47		07/95	1	1	TEC-TEH		- 2	00094			1.93	0.58	2	0 2			
i	- 2	07/95	1		TEC-TEH		- 2	00131			2.00	1.09		0 2	. 0		
56		07/95]	1		TEC-TEH!	Access to the second second	- 0	00125			2.00	0.32		0 <2	- 2		
26	0.7	07/95	1		TEC-TEH		- 15	00094			0.76	0.40		0 <2			
38		07/95	1		TEC-TEH		12	00094			0.91	0.82	3	0 2			

STEAM GENERATOR : 89
OUTAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

DATE: 08/25/95 TIME: 08:36:34

PAGE: 2 OF 3

ROW	cor	DATE			EXAM E	1			1		1		1				
				LEG	PROGRAM	ACTUAL	EXP	CAL	PROSE		LOCATION	VOLTS	WIL	DEG	%	Сн	CHN
	-	07/95		C	TEC-TEH	TEC-TEH	ALCOHOLD S	00121	580UL	VH1-	0.83	0.86		0	24	P 2	-
		07/95		C	TEC-TEH	TEC-TEH		00094	580UL	VH2-	0.91	0.97		0	28	P 2	1
1		07/95	i	C	TEC-TEH	TEC-TEH		00121	580UL	AHS-	0.83	0.95		0	26	P 2	1
1		07/95		C	TEC-TEH	TEC-TEH		00094	580UL	VH2+	0.88	0.71		0	23	P 2	1
		07/95	1 1	C	TEC-TEH	TEC-TEH		00121	580UL	VH2+	0.83	0.76		0	22	P 2	1
35	87	07/95		C	TEC-TEH	TEC-TEH		00094	580UL	VH2+	1.48	0.72		0	29	P 2	1
54	88	07/95		C	TEC-TEH	TEC-TEH		00125	580UL	DBC-	1.55	0.41		0	20	P 2	1
46	90	07/95		C	TEC-TEH	TEC-TEH		00099	580UL	VH3-	0.80	0.39		0	<20	P 2	1
47	91	07/95		C	TEC-TEH	TEC-TEH		00099	580UL	VH2+	0.65	0.41		0	<20	P 2	1
54	94	07/95		C	TEC-TEH	TEC-TEH		00059	580UL	DBC-	1.57	0.42		0	<20	P 2	1
82	94	07/95		С	TEC-TEH	TEC-TEH		00071	580UL	VH2-	0.03	0.31		0	<20	P 2	1
32	94	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	VH2-	1.00	0.65		0	25	P 2	1
4		07/95		C	TEC-TEH	TEC-TEH		00121	580UL	VH2-	0.98	0.69		0	21	P 2	1
28	96	07/95		С	TEC-TEH	TEC-TEH		00098	580UL	VC2-	0.76	0.41		0	<20	P 2	1
		07/95		C	TEC-TEH	TEC-TEH		00121	580UL	VC2-	0.62	0.29		0	<20	P 2	1
44	96	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	VX2-	0.62	0.63		0	25	P 2	1
		07/95		С	TEC-TEH	TEC-TEH		00121	580UL	VH2-	0.88	0.79		0	23	P 2	1
50	98	07/95		C	TEC-TEH	TEC-TEH		00059	580UL	DBH-	1.73	0.87		0	<20	P 2	1
39	99	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	VH2-	0.94	0.41		0	<20	P 2	1
45	101	07/95		C	TEC-TEH	TEC-TEH		00058	580UL	DBC+	1.69	0.29	- 1	0	<20	P 2	1
83	101	07/95		C	TEC-TEH	TEC-TEH		00070	580UL	VSM+	1.21	0.29		0	<20	P 2	1
27	101	07/95		C	TEC-TEH	TEC-TEH	Hill	00098	580UL	07C+	1.52	1.76	- 1	164	<20	1	1
43	101	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	VH2-	0.69	0.42		01	<20	P 2	1
38	102	07/95	1	c	TEC-TEH	TEC-TEH		00052	580UL	DBC-	2.12	0.23		01	<20	P 2	1
22	102	07/95	1	C	TEC-TEH!	TEC-TEH		00074	580UL	01H+	1.14	1 0.50	- 1	01	21	P 2	1 -
55	103	07/95	1	c	TEC-TEH	TEC-TEH		00059	580UL	VC3+	1.07	0.54		01	<20	P 2	1
29	103	07/95		C	TEC-TEH	TEC-TEH		00099	580UL	VCZ+	4.96	1.53	- 1	148	21	1	1
35	103	07/95	1	C	TEC-TEH	TEC-TEH		00098	580UL	VH1+	0.72	0.54	- 1	0	24	P 2	1
43	103	07/95	1	C	TEC-TEH	TEC-TEH		00098	580UL	VH1-	0.66	0.30	- 1	- 01	<50	P 2	1
46	104	07/95		C	TEC-TEH	TEC-TEH		00059	580UL	VSM-	0.82	0.36	- 1	01	<20	P 2	1
37	105	07/95	- 1	C	TEC-TEH	TEC-TEH		00053	580UL	VSM-	0.66	0.76	- 1	01	22	P 2	1
29	109	07/95	- 1	C	TEC-TEH	TEC-TEH		00098	580UL	10H-	0.50	0.34	- 1	01	<20	P 2	1.
21	113	07/95	1	C	TEC-TEH	TEC-TEH		00072	58CUL	VH1-	0.86	0.58		01	<20	P 2	1
41	113	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	DBH+	1.89	0.40	- 1	0	<20	P 2	1
44	114	07/95	1	C	TEC-TEH	TEC-TEH		00056	580UL	VSM-	1.22	0.41	- 1	0	<20	P 2	1
150	114	07/95	1	C	TEC-TEH	TEC-TEH		00072	580UL	05H+	31.74	0.40	- 1	154	<20	1	1
36	114	07/95	1	C	TEC-TEH	TEC-TEH		00098	580UL	VC1+	1.52	0.77	- 1	0	28	P 2	
1		07/95	1	C	TEC-TEH	TEC-TEH	-	00098	580UL	DBC+	1.30	0.52	- 1	01	22	P 2	
40	114	07/95	1	C	TEC-TEH	TEC-TEH		00098	580UL	DBH-	1.76	2.17	- 1	0	44	P 2	
1		07/95	- 1	C	TEC-TEH	TEC-TEH		00121	580UL	DBH-	1.82	2.17	- 1	0	42	P 2	
į	1	07/95		C	TEC-TEH	TEC-TEH		00098	580UL	DBH+	1.85	1.72	1	0	41]	P 2	
		07/95	İ	c	TEC-TEH	TEC-TEH		00121			1.85	1 1.67	1	0	37	P 2	
83	115	07/95	- 1	C	TEC-TEH	TEC-TEH		00068	580UL	VSM+	1.32	0.22	1	01	<20	P 2	
17	117	07/95	İ	C	TEC-TEH	TEC-TEH		00072	580UL	06H+	8.15	0.70	1	155	<20	1	
		07/95	i		TEC-TEH		- 3	00057			0.67	0.94	1	01	<201	P 2	

CUMULATIVE REPORT 07/95, SOUTHERN CALIFORNIA EDISON, SAN ONOFRE, UNIT 3

STEAM GENERATOR : 89
OUYAGE DATA SET : CURRENT
SELECTION VARIABLES: Percent

PAGE: 3 OF 3 DATE: 08/25/95 TIME: 08:36:34

		EXAM			EXAM	EXTENT			-							
ROW	COL	DATE	HEAT#	LEG	PROGRAM	ACTUAL	EXP	CAL	PROBE		LOCATION	VOLTS	MIL DEG	1 %	CH	CHN
50	128	07/95		c	TEC-TEH	TEC-TEH	Detroise	00055	580UL	030+	0.92	0.82	0	21	P	2
103	131	07/95		C	TEC-TEH	TEC-TEH		00071	580UL	VH2-	1.09	0.48	0	21	P	5
46	138	07/95	L 1	C	TEC-TEH	TEC-TEH		00045	580UL	04C-	0.19	0.45	0	<20	P	2
106	138	07/95		C	TEC-TEH	TEC-TEH		00067	580UL	VH2-	1.01	0.61	0	24	P :	2
31	139	07/95		Н	TSH-TSH	TSH-TSH		00115	600RC	TSH-	0.20	0.23	0	SCI	P	1
119	139	07/95		C	TEC-TEH	TEC-TEH		00066	580UL	10C+	0.07	0.69	0	27	P	2
106	142	07/95		C	TEC-TEH	TEC-TEH		00066	580UL	VH2-	0.80	0.45	0	<20	P	2
43	145	07/95	i	C	TEC-TEH	TEC-TEH		00043	580UL	VSM+	0.60	0.42	0	<20	P :	2
47	145	07/95		C	TEC-TEH	TEC-TEM		00043	580UL	VSM+	0.95	0.34	0	<20	P	2
73	145	07/95	1	C	TEC-TEH	TEC-TEH		00066	580UL	VC3-	0.86	0.37	0	<20	P	2
42	146	07/95	ĺ	C	TEC-TEH	TEC-TEH	ĺ	00043	580UL	VSM+	0.69	0.39	0	<20	P	2
46	146	07/95	1	C	TEC-TEH	TEC-TEH	1	00043	580UL	VSM+	0.91	0.67	0	<20	P :	2
76	146	07/95	i	C	TEC-TEH	TEC-TEH		00067	580UL	VH3+	0.77	0.91	0	24	P	2
73	147	07/95	1	C	TEC-TEH	TEC-TEH		00121	580UL	VH3+	1.08	0.76	0	27	P :	2
		07/95	İ	C	TEC-TEH	TEC-TEH		00066	580UL	VH3+	0.83	0.60	1 0	24	P	2
		07/95	1	C	TEC-TEH	TEC-TEH		00121	580UL	VSM-	0.93	0.99	0	27	P	2
	1	07/95	1	C	TEC-TEH	TEC-TEH		00066	580UL	VSM-	0.73	0.73	0	28	P	2
75	147	07/95		C	TEC-TEH	TEC-TEH	1	00067	580UL	VC3+	0.74	0.81	1 0	22	P	2
77	147	07/95	1	C	TEC-TEH	TEC-TEH		00066	580UL	VSM-	0.61	0.56	0	23	P :	2
101	149	07/95	1	C	TEC-TEH	TEC-TEH	1	00062	580UL	VH2+	0.89	0.45	0	<20	P :	2
79	153	07/95	į į	C	TEC-TEH	TEC-TEH		00100	580UL	VC3+	0.94	1.22	0	35	P:	2
81	153	07/95		C	TEC-TEH	TEC-TEH		00100	580UL	VH3+	0.00	0.19	1 0	<20	P :	2
77	155	07/95	1	C	TEC-TEH	TEC-TEH	1	00060	580UL	VH3+	0.64	0.35	1 0	<20	P	2
87	157	07/95	1	C	TEC-TEH	TEC-TEH		00061	580UL	03H-	1.31	0.74	1 0	<20	P	2
78	160	07/95		C	TEC-TEH	TEC-TEH		00060	580UL	VH3-	0.98	0.63	0	<20	P :	2

NUMBER OF TUBES SELECTED FROM CURRENT DUTAGE: 93
NUMBER OF DATA RECORDS SELECTED FROM CURRENT OUTAGE: 115

NO TREND ANALYSIS REQUESTED

DATA SELECTION CRITERIA:

Percent: MAI, MCI, SAI, SCI, SVI, MVI, 0 to 100%

REPORT OPTIONS:

Only examination results matching criteria are included

Enclosure 6

LIS OF TUBES PLUGGED

San Onofre Unit ? Steam Generator E-089

Row	Column	Reason
50	10	Preventive Maintenance
65	19	49% Indication at O1C + 6.3
77	59	Preventive Maintenance
142	68	Preventive Maintenance
141	69	Preventive Maintenance
140	114	44% Indication at DBH + 1.7
31	139	Preventive Maintenance
79	153	Preventive Maintenance

ATTACHMENT 9

LIST OF COMPLETED ISI NDE EXAMINATIONS AND SYSTEM PRESSURE TESTS



Southern California Edison

ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
ZONE: 01							
03-001-054-01	FLANGE LIGAMENT AREA - STUD HOLE #1	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-02	FLANGE LIGAMENT AREA - STUD HOLE #2	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-03	FLANGE LIGAMENT AREA - STUD HOLE #3	BG!	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-04	FLANGE LIGAMENT AREA - STUD HOLE #4	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
63-001-054-05	FLANGE LIGAMENT AREA - STUD HOLE #5	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-06	FLANGE LIGAMENT AREA - STUD HOLE #6	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-07	FLANGE LIGAMENT AREA - STUD HOLE #7	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-08	FLANGE LIGAMENT AREA - STUD HOLE #8	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-054-09	FLANGE LIGAMENT AREA - STUD HOLE #9	BG1	B6.40	UT	08/01/95	395-08IUT-017	ACCEPT
03-001-056-01	REACTOR VESSEL CLOSURE STUD #1	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-01	REACTOR VESSEL CLOSURE STUD #1	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-02	REACTOR VESSEL CLOSURE STUD #2	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-02	REACTOR VESSEL CLOSURE STUD #2	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-03	REACTOR VESSEL CLOSURE STUD #3	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-03	REACTOR VESSEL CLOSURE STUD #3	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-04	REACTOR VESSEL CLOSURE STUD #4	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-04	REACTOR VESSEL CLOSURE STUD #4	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-05	REACTOR VESSEL CLOSURE STUD #5	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-05	REACTOR VESSEL CLOSURE STUD #5	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-06	REACTOR VESSEL CLOSURE STUD #6	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-06	REACTOR VESSEL CLOSURE STUD #6	BG1	B6.30	MT	08/07/95	395-08IMT-003	Accept
03-001-056-07	REACTOR VESSEL CLOSURE STUD #7	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-07	REACTOR VESSEL CLOSURE STUD #7	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-08	REACTOR VESSEL CLOSURE STUD #8	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-09	REACTOR VESSEL CLOSURE STUD #9	BG1	B6.30	UT	08/10/95	395-08IUT-022	ACCEPT
03-001-056-10	REACTOR VESSEL CLOSURE STUD #10	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-11	REACTOR VESSEL CLOSURE STUD #11	BG1	B6 30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-13	REACTOR VESSEL CLOSURE STUD #13	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-14	REACTOR VESSEL CLOSURE STUD #14	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-15	REACTOR VESSEL CLOSURE STUD #15	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-16	REACTOR VESSEL CLOSURE STUD #16	BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-056-18		BG1	B6.30	MT	08/08/95	395-08IMT-004	ACCEPT
03-001-057-01	REACTOR VESSEL CLOSURE NUT #1	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-02	REACTOR VESSEL CLOSURE NUT #2	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-03	REACTOR VESSEL CLOSURE NUT #3	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-04		BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-05		BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-06		BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-07		BG1	B6.10	MT		395-08IMT-006	
03-001-057-08		BG1	B6.10			395-08IMT-005	
	REACTOR VESSEL CLOSURE NUT #9	BG1	B6.10		08/08/95	395-08IMT-005	ACCEPT



Southern California Edison

ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-001-057-10	REACTOR VESSEL CLOSURE NUT #10	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-11	REACTOR VESSEL CLOSURE NUT #11	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-12	REACTOR VESSEL CLOSURE NUT #12	BG1	B6.10	MT	08/08/95	395-08IMT-005	ACCEP1
03-001-057-13	REACTOR VESSEL CLOSURE NUT #13	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-14	REACTOR VESSEL CLOSURE NUT #14	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-15	REACTOR VESSEL CLOSURE NUT #15	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-16	REACTOR VESSEL CLOSURE NUT #16	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-057-17	REACTOR VESSEL CLOSURE NUT #17	BG1	B6.10	MT	08/08/95	395-08IMT-005	ACCEP
03-001-057-18	REACTOR VESSEL CLOSURE NUT #18	BG1	B6.10	MT	08/09/95	395-08IMT-006	Accept
03-001-058-01	REACTOR VESSEL CLOSURE WASHER #1	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-01	REACTOR VESSEL CLOSURE WASHER #1	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-02	REACTOR VESSEL CLOSURE WASHER #2	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-03	REACTOR VESSEL CLOSURE WASHER #3	BG1	B6.50	VT-I	08/09/95	395-08IVT-038	ACCEPT
03-001-058-04	REACTOR VESSEL CLOSURE WASHER #4	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-05	REACTOR VESSEL CLOSURE WASHER #5	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-06	REACTOR VESSEL CLOSURE WASHER #6	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-07	REACTOR VESSEL CLOSURE WASHER #7	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-08	REACTOR VESSEL CLOSURE WASHER #8	BG1	B6.50	VT-I	08/09/95	395-08IVT-038	ACCEPT
03-001-058-09	REACTOR VESSEL CLOSURE WASHER #9	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-10	REACTOR VESSEL CLOSURE WASHER #10	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-11	REACTOR VESSEL CLOSURE WASHER #11	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-12	REACTOR VESSEL CLOSURE WASHER #12	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-13	REACTOR VESSEL CLOSURE WASHER #13	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-14	REACTOR VESSEL CLOSURE WASHER #14	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEP
03-001-058-15	REACTOR VESSEL CLOSURE WASHER #15	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-16	REACTOR VESSEL CLOSURE WASHER #16	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-17	REACTOR VESSEL CLOSURE WASHER #17	BG1	B6.50	VT-1	08/09/95	395-08IVT-038	ACCEPT
03-001-058-18	REACTOR VESSEL CLOSURE WASHER #18	BG1	B6.50	VT-I	08/09/95	395-08IVT-038	ACCEPT
03-001-080	AREAS ABOVE AND BELOW REACTOR CORE			VT-3	08/08/95	395-08IVT-039	ACCEPT
ZONE: 02							
03-002-001-S	REACTOR CLOSURE HEAD FLNG-TO-TORUS	B-A	B1.40	MT		395-08IMT-007	
03-002-001-V	REACTOR CLOSURE HEAD FLNG-TO-TORUS	B-A	B1.40	UT		395-08IUT-024	
03-002-002	PEEL SEGMENT WELD @ 18 DEGREES	B-A	B1.22	UT		395-08IUT-023	_
03-002-003	PEEL SEGMENT WELD @ 90 DEGREES	B-A	B1.22	UT	08/11/95	395-08IUT-023	ACCEPT
03-002-015-01	INSTRUMENT NOZZLE #92-TO-FITTING WELD	B-J	B9.11	UT	08/14/95	395-08IUT-025	ACCEPT
03-002-015-01	INSTRUMENT NOZZLE #92-TO-FITTING WELD	B-J	B9.11	PT	08/14/95	395-08IPT-043	ACCEPT
03-002-015-03	INSTRUMENT NOZZLE #94-TO-FITTING WELD	B-J	B9.11	UT	08/14/95	395-08IUT-025	ACCEPT
03-002-015-03	INSTRUMENT NOZZLE #94-TO-FITTING WELD	B-J	B9.11	PT	08/14/95	395-08IPT-043	ACCEPT
03-002-015-04	INSTRUMENT NOZZLE #95-TO-FITTING WELD	B-J	B9.11	UT	08/14/95	395-08IUT-025	ACCEP?
03-002-015-04	INSTRUMENT NOZZLE #95-TO-FITTING WELD	B-J	B9.11	PT	08/14/95	395-08IPT-043	ACCEP'
03-002-015A-01	INSTRUMENT NOZZLE #92 ICI FLANGE-TO-GRAYLOCK FITTING	B-J	B9.11	UT	08/14/95	395-08IUT-025	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-002-015A-01	INSTRUMENT NOZZLE #92 ICI FLANGE-TO-GRAYLOCK FITTING	В-Ј	B9.11	PT	08/14/95	395-08IPT-043	ACCEPT
03-002-015A-03	INSTRUMENT NOZZLE #94 ICI FLANGE-TO-GRAYLOCK FITTING	В-Ј	B9.11	UT	08/14/95	395-08IUT-025	ACCEPT
03-002-015A-03	INSTRUMENT NOZZLE #94 ICI FLANGE-TO-GRAYLOCK FITTING	B-J	B9.11	PT	08/14/95	395-08IPT-043	ACCEPT
03-002-015A-04	INSTRUMENT NOZZLE #95 ICI FLANGE-TO-GRAYLOCK FITTING	B-J	B9.11	UT	08/14/95	395-08IUT-025	ACCEPT
03-002-015A-04	INSTRUMENT NOZZLE #95 ICI FLANGE-TO-GRAYLOCK FITTING	B-J	B9.11	PT	08/14/95	395-08IPT-043	ACCEPT
ZONE: 04							
03-004-027-01	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-I	08/04/95	395-08IVT-069	ACCEPT
03-004-027-02	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-03	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VI-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-04	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEP7
03-004-027-05	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-06	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VI-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-07	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-08	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-09	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-10	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-11	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEP!
03-004-027-12	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-13	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-14	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-15	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-16	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-17	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-18	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-19	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-027-20	PRIMARY MANWAY STUD @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-01	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-02	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-03	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-04	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-05	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-06	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-07	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-08	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-09	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-10	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-11	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-004-028-12	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-13	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-14	PRIMARY MANWAY NUT @ 0 DEGREES	BG?	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-15	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-16	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-17	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-18	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-19	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-028-20	PRIMARY MANWAY NUT @ 0 DEGREES	BG2	B7.30	VT-1	08/04/95	395-08IVT-069	ACCEPT
03-004-029-01	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-02	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-03	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-04	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VI-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-05	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-06	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-07	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-08	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-09	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-10	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-11	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08ivt-070	ACCEPT
03-004-029-12	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08ivt-070	ACCEPT
03-004-029-13	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7 30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-14	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-15	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VI-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-16	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-17	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-18	PRIMARY MANWAY STUD @ 112 DEGREES, 30	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
	MINUTES						
03-004-029-19	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-029-20	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-01	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-02	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-03	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-04	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-05	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-06	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-07	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-08	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-09	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-10	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VΓ-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-11	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-12	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-13	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-14	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVI-070	ACCEPT
03-004-030-15	THE RESIDENCE OF THE PROPERTY	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-16		BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-17	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-18	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-19	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT
03-004-030-20	PRIMA ANWAY NUT @ 112 DEGREES, 30	BG2	B7.30	VT-1	08/04/95	395-08IVT-070	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
	MINUTES						
ZONE: 12							
03-012-001	SAFE END-TO-PUMP SUCTION SAFE END WELD	B-J	B9.11	UT	08/17/95	395-08IUT-033	ACCEP
03-012-001	SAFE END-TO-PUMP SUCTION SAFE END WELD	B-J	B9.11	PT	08/15/95	395-08IPT-042	ACCEP
03-012-002	ELBOW-TO-SAFE END WELD	B-F	B5.130	UT	08/17/95	395-08IUT-033	ACCEP
03-012-002	ELBOW-TO-SAFE END WELD	B-F	B5.130	PT	08/15/95	395-08IPT-042	ACCEP
03-012-003 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-003 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/14/95	395-08IMT-011	Accept
03-012-003 SG	ELBOW BODY WELD - INSIDE RADIUS (SG END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-003 SG	ELBOW BODY WELD - INSIDE RADIUS (SG END)	B-J	B9.12	MT	08/14/95	395-08IMT-011	Accept
03-012-004 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/16/95	395-08IIJT-028	ACCEP
03-012-004 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/14/95	395-08IMT-011	Accept
03-012-004 SG	ELBOW BODY WELD - OUTSIDE RADIUS (SG END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-004 SG	ELBOW BODY WELD - OUTSIDE RADIUS (SG END)	B-J	B9.12	MT	08/14/95	395-08IMT-011	Accept
03-012-005	PIPE-TO-ELBOW WELD	B-J	B9.11	UT	08/16/95	395-08IUT-028	ACCEP
03-012-005	PIPE-TO-ELBOW WELD	B-J	B9.11	MT	08/14/95	395-08IMT-011	Accept
03-012-006 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-006 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	MT	08/14/95	395-08IMT-011	Accept
03-012-006 SG	PIPE LONGITUDINAL WELD (SG END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-006 SG	PIPE LONGITUDINAL WELD (SG END)	B-J	B9.12	MT	08/14/95	395-08IMT-015	Accept
03-012-007 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-007 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	MT	08/14/95	395-08IMT-010	Accept
03-012-007 SG	PIPE LONGITUDINAL WELD (SG END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-007 SG	PIPE LONGITUDINAL WELD (SG END)	B-J	B9.12	MT	08/14/95	395-08IMT-010	Accept
03-012-008	ELBOW-TO-PIPE WELD	B-J	B9.11	UT	08/16/95	395-08IUT-028	ACCEP
03-012-008	ELBOW-TO-PIPE WELD	B-J	B9.11	MT	08/14/95	395-08IMT-014	Accept
03-012-009 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-009 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/14/95	395-08IMT-010	Accept
	ELBOW BODY WELD - INSIDE RADIUS (SG END)	B-J	B9.12	UT	08/15/95	395-08/UT-027	ACCEP
03-012-009 SG	ELBOW BODY WELD - INSIDE RADIUS (SG END)	B-J	B9 12	MT	08/14/95	395-08IMT-010	Accept
03-012-010 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9 12	UT	08/16/95	395-08IUT-028	ACCEP
03-012-010 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/14/95	395-08IMT-010	Accept
03-012-010 SG	ELBOW BODY WELD - OUTSIDE RADIUS (SG END)	B-J	B9.12	UT	08/15/95	395-08IUT-027	ACCEP
03-012-010 SG	ELBOW BODY WELD - OUTSIDE RADIUS (SG END)	B-J	B9.12	MT	08/14/95	395-08IMT-010	Accept
03-012-011	ELBOW-TO-ELBOW WELD	B-J	B9.11	UT	08/15/95	395-08IUT-027	ACCEP
03-012-011	ELBOW-TO-ELBOW WELD	B-J	B9.11	MT	08/15/95	395-08IMT-017	Accept
03-012-012 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-027	ACCEP
03-012-012 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/15/95	395-08IMT-017	Accept
03-012-013 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-027	ACCEP
03-012-013 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/15/95	395-08IMT-017	Accept



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
ZONE: 13							
03-013-001	PUMP-TO-SAFE END WELD	B-J	B9.11	UT	08/17/95	395-08IUT-034	ACCEPT
03-013-001	PUMP-TO-SAFE END WELD	B-J	B9.11	PT	08/08/95	395-08IPT-036	ACCEPT
03-013-002	SAFE END-TO-PIPE WELD	B-F	B5.130	UT	08/17/95	395-08IUT-034	ACCEPT
03-013-002	SAFE END-TO-PIPE WELD	B-F	B5.130	PT	08/08/95	395-08IPT-036	ACCEPT
03-013-003 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-029	ACCEPT
03-013-003 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9 12	MT	08/07/95	395-08IMT-001	Accept
03-013-004 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-029	ACCEPT
03-013-004 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	MT	08/07/95	395-08IMT-001	Accept
03-013-011	SAFETY INJECTION SAFE END-TO-NOZZLE WELD	B-F	B5.130	UT	08/19/95	395-08IUT-047	ACCEPT
03-013-011	SAFETY INJECTION SAFE END-TO-NOZZLE WELD	B-F	B5.130	PT	08/09/95	395-08IPT-037	ACCEPT
ZONE: 14	A A STATE OF THE PARTY OF						
03-014-001	SAFE END-TO-PUMP SUCTION NOZZLE WELD	B-J	B9.11	UT	08/17/95	395-08IUT-035	ACCEPT
03-014-001	SAFE END-TO-PUMP SUCTION NOZZLE WELD	B-J	B9.11	PT	08/15/95	395-08IPT-041	ACCEPT
03-014-002	ELBOW-TO-SAFE END WELD	B-F	B5.130	UT	08/17/95	395-08IUT-035	ACCEPT
03-014-002	ELBOW-TO-SAFE END WELD	B-F	B5.130	-PT	08/15/95	395-08IPT-041	ACCEPT
03-014-003 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/11/95	395-08IMT-009	Accept
03-014-003 SG	ELBOW BODY WELD - INSIDE RADIUS (S. G. END)	B-J	B9.12	MT	08/11/95	395-08IMT-009	Accept
03-014-004 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/11/95	395-08IMT-009	Accept
03-014-004 SG	ELBOW BODY WELD - OUTSIDE RADIUS (S. G. END)	B-J	B9.12	MT	08/11/95	395-08IMT-009	Accept
03-014-005	PIPE-TO-ELBOW WELD	B-J	B9.11	MT	08/11/95	395-08IMT-009	Accept
03-014-006 P	PIPE LONGITUDINAL WELD (PUMP END)	B-J	B9.12	MT	08/11/95	395-08IMT-009	Accept
03-014-006 SG	PIPE LONGITUDINAL WELD (STEAM GENERATOR END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEPT
03-014-006 SG	PIPE LONGITUDINAL WELD (STEAM GENERATOR END)	В-Ј	B9.12	MT	08/14/95	395-08IMT-013	Accept
03-014-007 P	PIPE LONGITUDINAL WELD (PUMP END)	B-J	B9.12	MT	08/11/95	395-08IMT-008	Accept
03-014-007 SG	PIPE LONGITUDINAL WELD (STEAM GENERATOR END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEPT
03-014-007 SG	PIPE LONGITUDINAL WELD (STEAM GENERATOR END)	B-J	B9.12	MT	08/11/95	395-08IMT-008	Accept
03-014-008	ELBOW-TO-PIPE WELD	B-J	B9.11	UT	08/15/95	395-08IUT-026	ACCEPT
03-014-008	ELBOW-TO-PIPE WELD	B-J	B9.11	MT	08/14/95	395-08IMT-012	Accept
03-014-009 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEPT
03-014-009 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	МТ	08/11/95	395-08IMT-008	Accept
03-014-009 SG	ELBOW BODY WELD - INSIDE RADIUS (STEAM GENERATOR END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEP1
03-014-009 SG		В-Ј	B9.12	MT	08/11/95	395-08IMT-008	Accept
03-014-010 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEPT
03-014-010 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/11/95	395-08IMT-008	- Accept
03-014-010 SG		B-J	B9 12	UT		395-08IUT-026	



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	GENERATOR END)						
03-014-010 SG	ELBOW BODY WELD - OUTSIDE RADIUS (STEAM GENERATOR END)	B-J	B9.12	MT	08/15/95	395-08IMT-016	Accept
03-014-011	ELBOW-TO-ELBOW WELD	B-J	B9.11	UT	08/15/95	395-08IUT-026	ACCEP
03-014-011	ELBOW-TO-ELBOW WELD	B-J	B9.11	MT	08/15/95	395-08IMT-016	Accept
03-014-012 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEP
03-014-012 P	ELBOW BODY WELD - OUTSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/15/95	395-08IMT-016	Accept
03-014-013 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	UT	08/15/95	395-08IUT-026	ACCEP'
03-014-013 P	ELBOW BODY WELD - INSIDE RADIUS (PUMP END)	B-J	B9.12	MT	08/15/95	395-08IMT-016	Accept
ZONE: 15			MANAGE STORAGE				
03-015-001	PUMP-TO-SAFE END WELD	B-J	B9.11	UT	08/17/95	395-08IUT-036	ACCEP
03-015-001	PUMP-TO-SAFE END WELD	B-J	B9.11	PT	08/08/95	395-08IPT-035	ACCEP
03-015-002	SAFE END-TO-PIPE WELD	B-F	B5.130	UT	08/17/95	395-08IUT-036	ACCEP
03-015-002	SAFE END-TO-PIPE WELD	B-F	B5.130	PT	08/08/95	395-08IPT-035	ACCEP
03-015-003 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-030	ACCEP
03-015-003 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	MT	08/07/95	395-08IMT-002	Accept
03-015-004 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	UT	08/16/95	395-08IUT-030	ACCEP
03-015-004 P	PIPE LONGITUDINAL WELD - PUMP END	B-J	B9.12	MT	08/07/95	395-08IMT-002	Accept
03-015-010	SAFETY INJECTION PIPF-TO-NOZZLE WELD	B-F	B5.130	UT	08/19/95	395-08IUT-045	ACCEP
03-015-010	SAFETY INJECTION PIPE-TO-NOZZLE WELD	B-F	B5.130	PT	08/11/95	395-08IPT-038	ACCEP
03-015-015	CHARGING NOZZLE-TO-SAFE END WELD	B-F	B5.140	PT	08/14/95	395-08IPT-039	ACCEPT
ZONE: 19							
03-019-120C	SIDE PLATE BOLTING (STUDS & NUTS) (DRAWING NO. SO23-408-1-6-47)	BG2	B7.70	VT1	08/18/95	395-08IVT-067	Accept
03-019-130	8" SCH 140 VALVE-TO-PIPE	B-J	B9.11	UT	08/03/95	395-08IUT-020	ACCEPT
03-019-130	8" SCH 140 VALVE-TO-PIPE	B-J	B9.11	PT	08/02/95	395-08IPT-029	ACCEP?
03-019-150	8" SCH 140 PIPE-TO-ELBOW	B-J	B9.11	UT	08/03/95	395-08IUT-020	ACCEPT
03-019-150	8" SCH 140 PIPE-TO-ELBOW	B-J	B9.11	PT	08/02/95	395-08IPT-029	ACCEPT
03-019-160	8" SCH 140 ELBOW-TO-PIPE	B-J	B9.11	UT	08/16/95	395-08IUT-031	ACCEP?
03-019-160	8" SCH 140 ELBOW-TO-PIPE	B-J	B9.11	PT	08/02/95	395-08IPT-029	ACCEP
03-019-170	8" SCH 140 PIPE-TO-REDUCING TEE	B-J	B9.11	UT	08/03/95	395-08IUT-020	ACCEPT
03-019-170	8" SCH 140 PIPE-TO-REDUCING TEE	B-J	B9.11	PT	08/02/95	395-08IPT-029	ACCEPT
03-019-180	8" SCH 140 REDUCING TEE-TO-PIPE	B-J	B9.11	UT	08/03/95	395-08IUT-020	ACCEPT
03-019-180	8" SCH 140 REDUCING TEE-TO-PIPE	B-J	B9.11	PT	08/02/95	395-08IPT-029	ACCEP
03-019-810	12" SCH 160 PIPE-TO-NOZZLE	B-J	B9.11	UT	08/19/95	395-08IUT-046	ACCEP"
03-019-810	12" SCH 160 PIPE-TO-NOZZLE	B-J	B9.11	PT	08/17/95	395-08IPT-044	ACCEP
ZONE: 20							
03-020-010C	SIDE PLATE BOLTING (DRAWING NO. SO23-408-1-6-46)	BG2	B7.70	VT-1	07/24/95	395-08IVT-072	ACCEPT
03-020-240A	12" CHECK VALVE BODY (DRAWING NO. SO23-408-1-6-46)	ВМ2	B12.50	VI-3	08/11/95	395-08IVT-074	ACCEPT
03-020-310	12" SCH 160 PIPE-TO-NOZZLE SAFE END	B-J	B9.11	UT	08/19/95	395-08IUT-048	ACCEPT
03-020-310	12" SCH 160 PIPE-TO-NOZZLE SAFE END	B-J	B9.11	PT	08/17/95	395-08IPT-045	ACCEP



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03-020-530	8" SCH 140 VALVE-TO-PIPE	B-J	B9.11	Uı	08/02/95	395-08IUT-019	ACCEPT
03-020-530	8" SCH 140 VALVE-TO-PIPE	B-J	B9.11	PT	08/01/95	395-08IPT-026	ACCEPT
ZONE: 21							
03-021-110	18" SCH 160 PIPE-TO-ELBOW	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-110	18" SCH 160 PIPE-TO-ELBOW	B-J	B9 11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-120	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-120	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-130	18" SCH 160 PIPE-TO-ELBOW	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-130	18" SCH 160 PIPE-TO-ELBOW	B-J	B9.11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-140	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-140	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-150	18" SCH 160 PIPE-TO-ELBOW	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-150	18" SCH 160 PIPE-TO-ELBOW	B-J	B9 11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-160	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	UT	08/05/95	395-08IUT-021	ACCEPT
03-021-160	18" SCH 160 ELBOW-TO-PIPE	B-J	B9.11	PT	08/04/95	395-08IPT-034	ACCEPT
03-021-260A	16" STOP VALVE BODY (DRAWING NO. SO23-507-1-37)	ВМ2	B12.50	VI-3	08/13/95	395-08IVT-073	ACCEPT
03-021-450A	10" STOP VALVE BODY (DRAWING SO23-507-5-1-130)	ВМ2	B12.50	VT-3	08/12/95	395-08IVT-075	ACCEPT
03-021-620-F	Y-STOP	F-A	F1.10A	VT-3	08/16/95	395-08IVT-065	ACCEPT
ZONE: 23							
03-023-040	3" SCH 160 PIPE-TO-ELBOW	B-J	B9.21	PT	08/03/95	395-08IPT-030	ACCEPT
03-023-050	3" SCH 160 ELBOW-TO-PIPE	B-J	B9.21	PT	08/03/95	395-08IPT-030	ACCEPT
03-023-060	3" SCH 160 PIPE-TO-ELBOW	B-J	B9.21	PT	08/03/95	395-08IPT-030	ACCEPT
03-023-070	3" SCH 160 ELBOW-TO-PIPE	B-J	B9.21	PT	08/03/95	395-08IPT-030	ACCEPT
03-023-090	3" SCH 160 PIPE-TO-ELBOW	B-J	B9.21	PT	08/03/95	395-08IPT-032	ACCEPT
03-023-110	3" SCH 160 PIPE-TO-REDUCER	B-J	B9.21	PT	08/03/95	395-08IPT-032	ACCEPT
03-023-120	4" SCH 120 REDUCER-TO-PIPE	B-J	B9.11	UT	08/16/95	395-08IUT-032	ACCEPT
03-023-120	4" SCH 120 REDUCER-TO-PIPE	B-J	B9.11	PT	08/03/95	395-08IPT-031	ACCEPT
03-023-121	4" SCH 120 PIPE-TO-ELBOW	B-J	B9.11	UI	08/16/95	395-08IUT-032	ACCEPT
03-023-121	4" SCH 120 PIPE-TO-ELBOW	B-J	B9.11	PT	08/03/95	395-08IPT-031	ACCEPT
03-023-122	4" SCH 120 ELBOW-TO-PIPE	B-J	B9.11	UT	08/16/95	395-08IUT-032	ACCEPT
03-023-122	4" SCH 120 ELBOW-TO-PIPE	B-J	B9.11	PT	08/03/95	395-08IPT-033	ACCEPT
03-023-180	VARIABLE SPRING	F-A	F1.10C	VT-3	08/22/95	395-08IVT-064	ACCEPT
ZONE: 25							
03-025-010	6" SCH 160 PIPE-TO-ELBOW @ 315 DEGREES	B-J	B9.11	UT	08/18/95	395-08IUT-041	ACCEPT
03-025-010	6" SCH 160 PIPE-TO-ELBOW @ 315 DEGREES	B-J	B9.11	PT	08/18/95	395-08IPT-046	ACCEPT
03-025-110	6" SCH 160 PIPE-TO-FLANGE	B-J	B9.11	UT	08/18/95	395-08IUT-041	ACCEPT
03-025-110	6" SCH 160 PIPE-TO-FLANGE	B-J	B9.11	PT	08/18/95	395-08IPT-046	ACCEPT
ZONE: 27							
03-027-010	2" SCH 160 NOZZLE-TO-PIPE	B-J	B9.21	PT	08/14/95	395-08IPT-040	ACCEPT
03-027-020	2" SCH 160 PIPE-TO-VAL/VE	B-J	B9.21	PT	08/14/95	395-08IPT-040	ACCEPT
03-027-040	2" VALVE-TO-2" SCH 160 PIPE	B-J	B9.21	PT	08/14/95	395-08IPT-040	ACCEPT



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03-027-140	GUIDE	F-A	F1.10B	VT-3	08/16/95	395-08IVT-066	ACCEPT
ZONE: 37							
03-037-112	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-113	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-114	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-115	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-116	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-117	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-118	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-119	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-120	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-121	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-122	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-123	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-124	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-125	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-126	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
03-037-127	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/11/95	395-08IVT-068	ACCEPT
ZONE: 38							
03-038-080	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08[VT-061	ACCEPT
03-038-081	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-082	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-083	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-084	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG.	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
	NO. SO23-922-157)						
03-038-085	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-086	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-087	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. 8023-922-157)	BG2	B7,60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-088	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-089	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-090	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-091	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. 8023-922-157)	BG2	B7.60	VI-1	08/11/95	395-08IVT-061	ACCEPT
03-038-092	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG- NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-093	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-094	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-095	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-096	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-097	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. \$023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-098	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-099	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-100	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. \$023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-101	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-102	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-103	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-104	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG NO. S023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-105	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. 8023-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-106	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT



Southern California Edison

ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
	NO. SO23-922-157)						
03-038-107	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. 8023-922-157)	BG2	B7.60	VI-1	08/11/95	395-08IVT-061	ACCEPT
03-038-108	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-109	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-110	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-111	HEAT EXCHANGER-TO-DRIVER MOUNT NUT (DWG. NO. SO23-922-157)	BG2	B7.60	VT-1	08/11/95	395-08IVT-061	ACCEPT
03-038-112	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VI-1	08/10/95	395-08IVI-062	ACCEPT
03-038-113	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-114	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-115	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-116	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG NO. S023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-117	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-118	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VT-i	08/10/95	395-08IVT-062	ACCEPT
03-038-119	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-120	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-121	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-122	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-123	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VI-I	08/10/95	395-08IVT-062	ACCEPT
03-038-124	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. S023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-125	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-126	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG. NO. 8023-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT
03-038-127	SEAL HOUSING-TO-FLANGE CAPSCREW (DWG, NO. SO23-922-231-6)	BG2	B7.60	VT-1	08/10/95	395-08IVT-062	ACCEPT



Southern California Edison

D3-042-043 FEEDWATER EXTENSION-TO-NOZZLE WELD	ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
Color	ZONE: 42							
ZONE: 43	03-042-043	FEEDWATER EXTENSION-TO-NOZZLE WELD	CF2	C5.51	UT	08/18/95	395-08IUT-037	ACCEPT
03-043-043 FEEDWATER EXTENSION-TO-NOZZLE WELD CP2 C5.51 UT 08/18/95 395-08IMT-020 ACCEP 2ONE: 44 03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CP2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CP2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CP2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-045-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-045-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 03-045-460-F GUIDE & Y-STOP F-A F1.20B VT-3 08/16/95 395-08IMT-010 ACCEP 03-051-2010 ACP 40* ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 03-051-200B CP 40* ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 03-051-1210 40* ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 03-051-1210 40* ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-012 ACCEP 03-051-1210 40* ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-012 ACCEP 03-051-1211 8G 40* PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 03-051-1211 8G 40* PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 03-061-12140-1 V-STOP WINTEGRALLY WELDED LUGS C-C C3.20 PT 07/14/95 395-08IMT-014 ACCEP 03-061-12140-1 Y-STOP WINTEGRALLY WELDED LUGS C-C C3.20 PT 07/14/95 395-08IVT-004 ACCEP 03-061-12140-1 Y-STOP WINTEGRALLY WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IVT-004 ACCEP 03-067-2700-1 ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-004 ACCEP 03-067-2700-1 ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-014 ACCEP 03-067-2700-1 ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-014 ACCEP 03-067-2700-1 ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-010 ACCEP 03-067-2700-1 ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-010 ACCEP 03-067-	03-042-043	FEEDWATER EXTENSION-TO-NOZZLE WELD	CF2	C5.51	MT	08/16/95	395-08IMT-018	Accept
203.043-043 FEEDWATER EXTENSION-TO-NOZZLE WELD CF2 C5.51 MT 08/18/95 395-08IMT-020 ACCEP 208.044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CF2 C5.51 UT 08/18/95 395-08IMT-019 ACCEP 209.0404-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CF2 C5.51 UT 08/18/95 395-08IMT-019 ACCEP 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-010 ACCEP 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-012 Accept 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-012 ACCEP 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-012 ACCEP 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-012 ACCEP 209.0405-360 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 UT 08/18/95 395-08IMT-012 ACCEP 209.051-200A CP 40° ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2101 40° ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2101 40° ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2118 64 0° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2118 64 0° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2118 70 40° FIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 209.051-2118 70 40° FIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-012 ACCEP 200.051-2118 70 40° FIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-014 ACCEP 200.051-2119 70 40° FIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-014 ACCEP 200.051-2119 70 40° FIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-014 ACCEP 200.061-2100 GUIDE F-A FIL20B VT-3 07/14/95 395-08IMT-014 ACCEP 200.061-2100 GUIDE F-A FIL20B VT-3 07/14/95 395-08IMT-014 ACCEP 200.061-2100	ZONE: 43							CORRECTION OF STREET
ZONE: 44	03-043-043	FEEDWATER EXTENSION-TO-NOZZLE WELD	CF2	C5.51	UT	08/18/95	395-08IUT-038	ACCEPT
03-044-010 18* SCH 80 ELBOW-TO-NOZZLE EXTENSION CF2 C5.51 UT 08/18/95 395-08IUT-039 ACCEP	03-043-043	FEEDWATER EXTENSION-TO-NOZZLE WELD	CF2	C5.51	MT	08/18/95	395-O8IMT-020	ACCEPT
23-044-010 18" SCH 80 ELBOW-TO-NOZZLE EXTENSION CF2 C5.51 MT 08/16/95 395-08IMT-019 Accept	ZONE: 44							
ZONE: 45 03-045-360	03-044-010	18" SCH 80 ELBOW-TO-NOZZLE EXTENSION	CF2	C5.51	UT	08/18/95	395-08IUT-039	ACCEP
03-045-360	03-044-010	18" SCH 80 ELBOW-TO-NOZZLE EXTENSION	CF2	C5.51	MT	08/16/95	395-08IMT-019	Accept
103-045-360 18" SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE CF2 C5.51 MT 08/18/95 395-08IMT-021 Accept 03-045-460-F GUIDE & Y-STOP F-A F1.20B VT-3 08/16/95 395-08IVT-063 ACCEP A	ZONE: 45		na real Santonia					
203-045-460-F GUIDE & Y-STOP F-A F1.20B VT-3 08/16/95 395-08IVT-063 ACCEP	03-045-360	18" SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE	CF2	C5.51	UT	08/18/95	395-08IUT-040	ACCEPT
ZONE: 51 03-051-200A CP 40° ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-200B CP 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IUT-044 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 51 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IUT-044 ACCEP 03-061-2100 GUDE F-A F1 20B VT-3 07/14/95 395-08IVT-044 ACCEP 03-061-2140-F Y-STOP 03-061-2140-F Y-STOP 03-061-2140-F Y-STOP SNUBBER F-A F1 20B VT-3 07/14/95 395-08IVT-004 ACCEP 03-061-2140-F Y-STOP F-A F1 20B VT-3 07/14/95 395-08IVT-004 ACCEP 03-061-2140-F Y-STOP WINTEGRALLY WELDED LUGS C-C C3 20 PT 04/14/95 395-08IVT-004 ACCEP 03-067-2008-F Y-STOP ANCHOR STRAP C-C C3 20 PT 07/14/95 395-08IVT-005 ACCEP 03-067-2008-F Y-STOP F-A F1 20A VT-3 07/14/95 395-08IVT-005 ACCEP 03-067-2008-F Y-STOP F-A F1 20A VT-3 07/14/95 395-08IVT-005 ACCEP 03-067-2100 Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3 20 PT 07/14/95 395-08IVT-017 ACCEP 03-067-2100-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3 20 PT 07/14/95 395-08IVT-014 ACCEP 03-067-2100-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3 20 PT 07/14/95 395-08IVT-014 ACCEP 03-067-2100-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3 20 PT 07/14/95 395-08IVT-014 ACCEP 03-067-2100-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3 20	03-045-360	18" SCH 80 ELBOW-TO-NOZZLE EXTENSION PIECE	CF2	C5.51	MT	08/18/95	395-08IMT-021	Accept
03-051-200A CP 40° ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IVT-044 ACCEP 03-051-200A CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 MT 08/19/95 395-08IMT-022 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-061-210 GUIDE F-A F1 20B VT-3 07/14/95 395-08IMT-024 ACCEP 03-061-210 GUIDE F-A F1 20B VT-3 07/14/95 395-08IMT-024 ACCEP 03-061-2100 GUIDE F-A F1 20B VT-3 07/14/95 395-08IMT-044 ACCEP 03-061-2140-F Y-STOP F-A F1 20A VT-3 07/14/95 395-08IMT-044 ACCEP 03-061-2140-F Y-STOP WINTEGRALLY WELDED LUGS C-C C3 20 PT 04/14/95 395-08IMT-04 ACCEP 03-067-2070-F ANCHOR F-A F1 20B VT-3 07/14/95 395-08IMT-04 ACCEP 03-067-2070-F ANCHOR F-A F1 20B VT-3 07/14/95 395-08IMT-04 ACCEP 03-067-2070-F ANCHOR FAD F1 ACCEP 03-067-2070-F ANCHOR FAD F1 ACCEP 03-067-2070-F ANCHOR FAD F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-F ANCHOR F1 ACCEP 03-067-2070-	03-045-460-F	GUIDE & Y-STOP	F-A	F1.20B	VT-3	08/16/95	395-08IVT-063	ACCEP
03-051-200A CP 40° ELBOW BODY WELD - OUTSIDE RADIUS CF2 C5 52 MT 08/19/95 395-08IMT-022 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5 51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 50 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 50 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5 52 UT 08/19/95 395-08IMT-022 ACCEP 03-061-210 GUIDE F-A F1 20B VT-3 07/14/95 395-08IMT-04 ACCEP 03-061-2100 GUIDE F-A F1 20B VT-3 07/14/95 395-08IVT-034 ACCEP 03-061-2130-F SNUBBER F-A F1 20C VT-3 06/05/95 395-08IVT-034 ACCEP 03-061-2140-F Y-STOP WINTEGRALLY WELDED LUGS C-C C3 20 PT 04/14/95 395-08IVT-034 ACCEP 03-061-2140-F Y-STOP WINTEGRALLY WELDED LUGS C-C C3 20 PT 04/14/95 395-08IVT-034 ACCEP 03-067-2070-F ANCHOR F-A F1 20A VT-3 07/14/95 395-08IVT-035 ACCEP 03-067-2070-F ANCHOR F-A F1 20A VT-3 07/14/95 395-08IVT-035 ACCEP 03-067-2080-F Y-STOP WINTEG WELDED ATTACHMENT (SPRING C-C C3 20 PT 07/14/95 395-08IVT-035 ACCEP 03-067-2080-F Y-STOP WINTEG WELDED ATTACHMENT (SPRING C-C C3 20 PT 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1 20A VT-3	ZONE: 51							
03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 UT 08/19/95 395-08IUT-044 ACCEP 03-051-200B CP 40° ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 MT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-024 ACCEP 03-051-210 40° ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-024 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 SG 40° PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-061-2010 GUDE F-A F1.20B VT-3 07/14/95 395-08IMT-024 ACCEP 03-061-2100 GUDE F-A F1.20B VT-3 07/14/95 395-08IMT-044 ACCEP 03-061-2130-F SNUBBER F-A F1.20B VT-3 07/14/95 395-08IVT-034 ACCEP 03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-034 ACCEP 03-061-2140-I Y-STOP WINTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20A VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-014 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-014 AC	03-051-200A CI	P 40" ELBOW BODY WELD - OUTSIDE RADIUS	CF2	C5.52	UT	08/19/95	395-08IUT-044	ACCEP:
03-051-200B CP 40" ELBOW BODY WELD - INSIDE RADIUS CF2 C5.52 MT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40" ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-210 40" ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40" PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40" PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40" PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-051-211 8G 40" PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IMT-022 ACCEP 03-061-080 I6" CONTROL VALVE BODY WELD (DRAWING NO S023-507-5-1-36) D3-061-2100 GUIDE F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-061-2140-F Y-STOP F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-014 ACCEP 03-061-2140-F Y-STOP F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/14/95 395-08IPT-014 ACCEP REPL DCP 3-6683 2BP)	03-051-200A CI	P 40" ELBOW BODY WELD - OUTSIDE RADIUS	CF2	C5.52	MT	08/19/95	395-08IMT-022	ACCEP:
103-051-210 40" ELBOW-TO-PIPE CF2 C5.51 UT 08/19/95 395-08IUT-044 ACCEP	03-051-200B CI	P 40" ELBOW BODY WELD - INSIDE RADIUS	CF2	C5.52	UT	08/19/95	395-08IUT-044	ACCEP
03-051-210 40" ELBOW-TO-PIPE CF2 C5.51 MT 08/19/95 395-08IMT-022 ACCEP	03-051-200B CI	P 40" ELBOW BODY WELD - INSIDE RADIUS	CF2	C5.52	MT	08/19/95	395-08IMT-022	ACCEP
03-051-211 SG 40" PIPE LONGITUDINAL WELD CF2 C5.52 UT 08/19/95 395-08IDT-044 ACCEP 03-051-211 SG 40" PIPE LONGITUDINAL WELD CF2 C5.52 MT 08/19/95 395-08IMT-022 ACCEP 03-061-210 SG 40" PIPE LONGITUDINAL WELD CP2 C5.52 MT 08/19/95 395-08IMT-022 ACCEP 03-061-210 GUIDE F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-061-2130-F SNUBBER F-A F1.20C VT-3 06/05/95 395-08IVT-034 ACCEP 03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-004 ACCEP 03-061-2140-I Y-STOP W/INTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH MENT (SPRING C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-010 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-014 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT	03-051-210	40" ELBOW-TO-PIPE	CF2	C5.51	UT	08/19/95	395-08IUT-044	ACCEPT
20NE: 61 03-061-2080	03-051-210	40" ELBOW-TO-PIPE	CF2	C5.51	MT	08/19/95	395-08IMT-022	ACCEPT
ZONE: 61 03-061-080	03-051-211 SG	40" PIPE LONGITUDINAL WELD	CF2	C5.52	UT	08/19/95	395-08IUT-044	ACCEPT
16" CONTROL VALVE BODY WELD (DRAWING NO. SO23-507-5-1-36) 03-061-2100 GUIDE F-A F1.20B VT-3 07/17/95 395-08IPT-014 ACCEP 03-061-2130-F SNUBBER F-A F1.20C VT-3 06/05/95 395-08IVT-004 ACCEP 03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-014 ACCEP 03-061-2140-I Y-STOP W/INTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IPT-014 ACCEP 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IPT-014 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-003 ACCEP 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IVT-010 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-014 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP 03-067-2120-I SWAY	03-051-211 SG	40" PIPE LONGITUDINAL WELD	CF2	C5.52	MT	08/19/95	395-08IMT-022	ACCEPT
SO23-507-5-1-36) 03-061-2100 GUIDE F-A F1.20B VT-3 07/17/95 395-08IVT-034 ACCEP' 03-061-2130-F SNUBBER F-A F1.20C VT-3 06/05/95 395-08IVT-009 ACCEP' 03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-004 ACCEP' 03-061-2140-I Y-STOP W/INTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IVT-014 ACCEP' ZONE: 67 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IVT-005 ACCEP' 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-017 ACCEP' 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IVT-017 ACCEP' REPL DCP 3-6683.2BP) 03-067-2120-F SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IVT-010 ACCEP' REPL DCP 3-6683.2BP) ZONE: 69	ZONE: 61							
SAUBBER F-A F1.20C VT-3 06/05/95 395-08IVT-009 ACCEP	03-061-080		C-G	C6.20	PT	07/14/95	395-08IPT-014	ACCEPT
03-061-2140-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-004 ACCEPT 03-061-2140-I Y-STOP W/INTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IVT-014 ACCEPT 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IVT-005 ACCEPT 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-005 ACCEPT 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-005 ACCEPT 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IVT-017 ACCEPT REPL DCP 3-6683.2BP) 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/14/95 395-08IVT-031 ACCEPT 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IVT-010 ACCEPT REPL DCP 3-6683.2BP) ZONE: 69	03-061-2100	GUIDE	F-A	F1.20B	VT-3	07/17/95	395-08IVT-034	ACCEPT
O3-061-2140-1 Y-STOP W/INTEGRALLY WELDED LUGS C-C C3.20 PT 04/14/95 395-08IPT-014 ACCEPT	03-061-2130-F	SNUBBER	F-A	F1.20C	VT-3	06/05/95	395-08IVT-009	ACCEPT
2ONE: 67 03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IVT-005 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IVT-005 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-005 ACCEP 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IVT-017 ACCEP REPL DCP 3-6683.2BP) 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-031 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IVT-010 ACCEP REPL DCP 3-6683.2BP) 2ONE: 69	03-061-2140-F	Y-STOP	F-A	F1.20A	VT-3	07/14/95	395-08IVT-004	ACCEPT
03-067-2070-F ANCHOR F-A F1.20B VT-3 07/14/95 395-08IVT-005 ACCEP 03-067-2070-I ANCHOR STRAP C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEP 03-067-2080-F Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING REPL DCP 3-6683.2BP) 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IPT-017 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-010 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP) ZONE: 69	03-061-2140-I	Y-STOP W/INTEGRALLY WELDED LUGS	C-C	C3.20	PT	04/14/95	395-08IPT-014	ACCEPT
03-067-2070-I ANCHOR STRAP 03-067-2080-F Y-STOP 03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING REPL DCP 3-6683.2BP) 03-067-2100 Y-STOP 03-067-2120-F SWAY STRUT 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP) 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP) 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP) 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP) 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER REPL DCP 3-6683.2BP)	ZONE: 67							
03-067-2080-F Y-STOP	03-057-2070-F	ANCHOR	F-A	F1.20B	VT-3	07/14/95	395-08IVT-005	ACCEP
03-067-2080-I Y-STOP W/INTEG WELDED ATTACHMENT (SPRING C-C C3.20 PT 07/14/95 395-08IPT-017 ACCEPT REPL DCP 3-6683.2BP) 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-031 ACCEPT SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-010 ACCEPT 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEPT REPL DCP 3-6683.2BP) ZONE: 69	03-067-2070-I	ANCHOR STRAP	C-C	C3.20	PT	07/14/95	395-08IPT-017	ACCEPT
REPL DCP 3-6683.2BP) 03-067-2100 Y-STOP F-A F1.20A VT-3 07/14/95 395-08IVT-031 ACCEP 03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-010 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP REPL DCP 3-6683.2BP) ZONE: 69	03-067-2080-F	Y-STOP	F-A	F1.20A	VT-3	07/14/95	395-08IVT-005	ACCEPT
03-067-2120-F SWAY STRUT F-A F1.20A VT-3 07/18/95 395-08IVT-010 ACCEP 03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP REPL DCP 3-6683.2BP) ZONE: 69	03-067-2080-1		C-C	C3.20	PT	07/14/95	395-08IPT-017	ACCEPT
03-067-2120-I SWAY STRUT W/INTEG WELDED ATTACH (SNUBBER C-C C3.20 PT 07/18/95 395-08IPT-024 ACCEP REPL DCP 3-6683.2BP) ZONE: 69	03-067-2100	Y-STOP	F-A	F1.20A	VT-3	07/14/95	395-08IVT-031	ACCEPT
REPL DCP 3-6683.2BP) ZONE: 69	03-067-2120-F	SWAY STRUT	F-A	F1.20A	VT-3	07/18/95	395-08IVT-010	ACCEPT
	03-067-2120-1		C-C	C3.20	PT	07/18/95	395-08IPT-024	ACCEPT
03-069-010 4" X 4" X 4" TEE-TO-4" SCH 80S PIPE CF1 C5.21 UT 07/11/95 395-08IUT-006 ACCEP	ZONE: 69							
	03-069-010	4" X 4" X 4" TEE-TO-4" SCH 80S PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEP1



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-069-010	4" X 4" X 4" TEE-7 O-4" SCH 80S PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-008	ACCEPT
03-069-030	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-030	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-008	ACCEPT
03-069-040	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-040	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-008	ACCEPT
03-069-090	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-090	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-100	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-100	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-110	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-110	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-120	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-120	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-130	4" SCH 80S PiPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-130	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-140	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-140	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-150	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-150	4° SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-1520	3" SCH 160 PIPE TO PENETRATION 71	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-1520	3" SCH 160 PIPE TO PENETRATION 71	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-1530	3" SCH 160 VALVE-TO- PIPE	CF1	C5.21	UI	07/17/95	395-08IUT-014	ACCEPT
03-069-1530	3" SCH 160 VALVE-TO- PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-1550	3" SCH 160 ELBOW-TO-VALVE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-1550	3" SCH 160 ELBOW-TO-VALVE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-1580	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-1580	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-1590	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-1590	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-160	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT		395-08IUT-006	
03-069-160	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-007	ACCEPT
03-069-1600	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	UT	07/13/95	395-08IUT-009	ACCEPT
03-069-1600	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	PT	07/13/95	395-08IPT-013	ACCEPT
03-069-1830	2" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	UT	07/13/95	395-08IUT-010	ACCEPT
03-069-1830	2" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	PT		395-08IPT-012	
03-069-1840	2" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	UT		395-08IUT-010	
03-069-1840	2" SCH 160 PIPE-TO-ELBOW	CF1	C5.21			395-08IPT-012	
03-069-1850	2" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	UT		395-08IUT-010	
03-069-1850	2" SCH 160 ELBOW-TO-PIPE	CF1	C5.21		-	395-08IPT-012	
03-069-1900	2" SCH 160 PIPE-TO-VALVE	CF1	C5.21	PT		395-08IPT-012	
03-069-2050	3" SCH 160 TEE-TO-PIPE	CF1	C5.21			395-08IUT-002	
03-069-2050	3" SCH 160 TEE-TO-PIPE	CF1	C5.21			395-08IPT-005	



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-069-2060	3" X 3" X 3" SCH 160 TEE-TO-REDUCER	CF1	C5.21	UT	07/10/95	395-08IUT-002	ACCEPT
03-069-2060	3" X 3" X 3" SCH 160 TEE-TO-REDUCER	CF1	C5.21	PT	07/07/95	395-08IPT-005	ACCEPT
03-069-2070	3" X 3" X 3" SCH 160 REDUCER-TO-TEE	CF1	C5.21	UT	07/10/95	395-08IUT-002	ACCEPT
03-069-2070	3" X 3" X 3" SCH 160 REDUCER-TO-TEE	CF1	C5.21	PT	07/07/95	395-08IPT-005	ACCEPT
03-069-2080	3" X 2" SCH 160 REDUCER-TO-PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-003	ACCEPT
03-069-2080	3" X 2" SCH 160 REDUCER-TO-PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-006	ACCEPT
03-069-2090	2" VALVE-TO-PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-003	ACCEPT
03-069-2090	2" VALVE-TO-PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-003	ACCEPT
03-069-2110	2" PIPETO-VALVE	CF1	C5.21	UT	07/10/95	395-08IUT-003	ACCEPT
03-069-2110	2" PIPETO-VALVE	CF1	C5.21	PT	07/07/95	395-08IPT-003	ACCEPT
03-069-2130	2" SCH 80S PIPE-TO ELBOW	CF1	C5.21	UT	07/10/95	395-08IUT-004	ACCEPT
03-069-2130	2" SCH 80S PIPE-TO ELBOW	CF1	C5.21	PT	07/07/95	395-08IPT-004	ACCEPT
03-069-2140	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-004	ACCEPT
03-069-2140	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-004	ACCEPT
03-069-2350	2" SCH 160 COUNTERBORE-TO-SCH 80 PIPE-TO-ELBOW	CF1	C5.21	UT	07/17/95	395-08IUT-013	ACCEPT
03-069-2350	2" SCH 160 COUNTERBORE-TO-SCH 80 PIPE-TO-ELBOW	CF1	C5.21	PT	07/15/95	395-08IPT-022	ACCEPT
03-069-2360	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-013	ACCEPT
03-069-2360	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-022	ACCEPT
03-069-2390	2" VALVE-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-012	ACCEPT
03-069-2390	2" VALVE-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-023	ACCEPT
03-069-2410	3" X 2" REDUCER-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2410	3" X 2" REDUCER-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2430	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2430	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2440	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2440	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2450	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2450	3" SCH 160 PIPE-TO-ELBOW	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2460	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2460	3" SCH 160 ELBOW-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2470	3" SCH 160 PIPE-TO-FLANGE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2470	3" SCH 160 PIPE-TO-FLANGE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2500	3" FLANGE-TO-PIPE	CF1	C5.21	UT	07/17/95	395-08IUT-014	ACCEPT
03-069-2500	3" FLANGE-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-019	ACCEPT
03-069-2680	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/18/95	395-08IUT-015	ACCEPT
03-069-2680	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/15/95	395-08IPT-020	ACCEPT
03-069-2690	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/18/95	395-08IUT-015	ACCEPT
03-069-2690	2" SCH 80S = 3OW-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-020	ACCEPT
03-069-2700	2" SCH 160 PIPE-TO-VALVE	CFI	C5.21	UT	07/18/95	395-08IUT-016	ACCEPT
03-069-2700	2" SCH 160 PIPE-TO-VAL VE	CF1	C5.21	PT	07/15/95	395-08IPT-021	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-069-2720	2" VALVE-TO-PIPE	CF1	C5.21	UT	07/18/95	395-08IUT-016	ACCEPT
03-069-2720	2" VALVE-TO-PIPE	CF1	C5.21	PT	07/15/95	395-08IPT-021	ACCEPT
03-069-2730	2" SCH 160 PIPE-TO-REDUCER	CF1	C5.21	UT	07/18/95	395-08IUT-016	ACCEPT
03-069-2730	2" SCH 160 PIPE-TO-REDUCER	CF1	C5.21	PT	07/15/95	395-08IPT-021	ACCEPT
03-069-3040	GUIDE	F-A	F1.20A	VT-3	07/14/95	395-08IVT-032	ACCEPT
03-069-3050	GUIDE & Y-STOP	F-A	F1.20B	VT-3	07/14/95	395-08IVT-032	ACCEPT
03-069-3220-F	ANCHOR STRAP	F-A	F1.20B	VT-3	07/08/95	395-08IVT-001	ACCEPT
03-069-3220-1	INTEGRALLY WELDED ANCHOR STRAP	C-C	C3.20	PT	07/08/95	395-08IPT-009	ACCEPT
03-069-3230	GUIDE	F-A	F1.20A	VT-3	07/17/95	395-08IVT-037	Accept
03-069-3620	Y-STOP	F-A	F1.20A	VT-3	07/11/95	395-08IVT-002	ACCEPT
03-069-3700	GUIDE & Y-STOP	F-A	F1.20B	VT-3	07/17/95	395-08IVT-037	Accept
03-069-3760	GUIDE	F-A	F1.20A	VT-3	07/17/95	395-08IVT-037	Accept
03-069-3770-F	Y-STOP	F-A	F1.20A	VT-3	07/11/95	395-08I-VT-002	ACCEPT
03-069-3790-F	3-WAY STOP	F-A	F1.20B	VT-3	07/13/95	395-08IVT-003	ACCEPT
03-069-3790-1	3-WAY STOP W/INTEGRALLY WELDED LUGS	C-C	C3.20	PT	07/13/95	395-08IPT-012	ACCEPT
03-069-3820	GUIDE	F-A	F1.20B	VT-3	07/11/95	395-08IVT-002	ACCEPT
03-069-390	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-390	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/07/95	395-08IPT-001	ACCEPT
03-069-3910-F	ANCHOR STRAP	F-A	F1.20B	VT-3	07/15/95	395-08IVT-008	ACCEPT
03-069-3910-1	INTEGRALLY WELDED ANCHOR STRAP	C-C	C3.20	PT	07/15/95	395-08IPT-020	ACCEPT
03-069-3930-F	3-WAY STOP	F-A	F1.20B	VT-3	07/17/95	395-08IVT-037	Accept
03-069-400	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-400	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-001	ACCEPT
03-069-410	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-410	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/07/95	395-08IPT-001	ACCEPT
03-069-420	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-420	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-001	ACCEPT
03-069-430	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-430	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/07/95	395-08IPT-002	ACCEPT
03-069-450	4" SCH 80S PIPE-TO-TEE	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-450	4" SCH 80S PIPE-TO-TEE	CF1	C5.21	PT	07/07/95	395-08IPT-002	ACCEPT
03-069-460	4" X 4" X 2" SCH 80S REDUCER TEE-TO-4" SCH 80S PIPE	CF1	C5.21	UT	07/10/95	395-08IUT-001	ACCEPT
03-069-460	4" X 4" X 2" SCH 80S REDUCER TEE-TO-4" SCH 80S PIPE	CF1	C5.21	PT	07/07/95	395-08IPT-002	ACCEPT
03-069-600	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-600	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-009	ACCEPT
03-069-610	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-610	4" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/08/95	395-08IPT-009	ACCEPT
03-069-620	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/11/95	395-08IUT-006	ACCEPT
03-069-620	4" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/08/95	395-08IPT-009	ACCEPT
03-069-800	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/13/95	395-08IUT-008	ACCEPT



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ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-069-800	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/10/95	395-08IPT-010	ACCEPT
03-069-810	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/13/95	395-08IUT-008	ACCEPT
03-069-810	2" SCH 80S ELBOW-TO-PIPE	CF1	C5 21	PT	07/10/95	395-08IPT-010	ACCEPT
03-069-820	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	UT	07/13/95	395-08IUT-008	ACCEPT
03-069-820	2" SCH 80S PIPE-TO-ELBOW	CF1	C5.21	PT	07/10/95	395-08IPT-010	ACCEPT
03-069-830	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	UT	07/13/95	395-08IUT-008	ACCEPT
03-069-830	2" SCH 80S ELBOW-TO-PIPE	CF1	C5.21	PT	07/10/95	395-08IPT-010	ACCEPT
03-069-850	2" SCH 80S PIPE-TO-VALVE	CF1	C5.21	UT	07/13/95	395-08IUT-008	ACCEPT
03-069-850	2" SCH 80S PIPE-TO-VALVE	CF1	C5.21	PT	07/10/95	395-08IPT-010	ACCEPT
ZONE: 73							
03-073-1560	8" SCH 140 PIPE-TO-VALVE (DWG NO. 41886 NOTE 4)	CF1	C5.11	UT	07/12/95	395-08IUT-007	ACCEPT
03-073-1560	8" SCH 140 PIPE-TO-VALVE (DWG NO. 41886 NOTE 4)	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1580	VALVE-TO-8" SCH 140 PIPE	CF1	C5.11	UT	07/12/95	395-08IUT-007	ACCEPT
03-073-1580	VALVE-TO-8" SCH 140 PIPE	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1590	8" SCH 140 PIPE-TO-PENETRATION NO. 50	CF1	C5.11	UT	07/12/95	395-08IUT-007	ACCEPT
03-073-1590	8" SCH 140 PIPE-TO-PENETRATION NO. 50	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1600	PENETRATION NO. 50-TO-8" SCH 140 PIPE	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-1600	PENETRATION NO. 50-TO-8" SCH 140 PIPE	CF1	C5.11	PT	08/02/95	395-08IPT-028	ACCEPT
03-073-1610	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-1610	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	PT	08/02/95	395-08IPT-028	ACCEPT
03-073-1810	8" SCH 140 PIPE-TO-VALVE	CFI	C5.21	UT	07/17/95	395-08IUT-011	ACCEPT
03-073-1810	8" SCH 140 PIPE-TO-VALVE	CF1	C5.21	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1830	VALVE-TO-8" SCH 140 PIPE	CF1	C5.11	UT	07/17/95	395-08IUT-011	ACCEPT
03-073-1830	VAL VE-TO-8" SCH 140 PIPE	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1840	8" SCH 140 PIPE-TO-PENETRATION NO. 49	CF1	C5.11	UT	07/17/95	395-08IUT-011	ACCEPT
03-073-1840	8" SCH 140 PIPE-TO-PENETRATION NO 49	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-1850	PENETRATION NO. 49-TO-8" SCH 140 PIPE	CF1	C5.11	UI	08/02/95	395-08IUT-018	ACCEPT
03-073-1850	PENETRATION NO. 49-TO-8" SCH 140 PIPE	CF1	C5.11	PT	08/02/95	395-08IPT-027	ACCEPT
03-073-1860	8" SCH 140 PIPE-TO-ELBOW	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-1860	8" SCH 140 PIPE-TO-ELBOW	CF1	C5.11	PT	08/02/95	395-08IPT-027	ACCEPT
03-073-1870	8" SCH 140 ELBOW-TO-PIPE	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-1870	8" SCH 140 ELBOW-TO-PIPE	CF1	C5.11	PT	08/02/95	395 08IPT-027	ACCEPT
03-073-1880	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	UI	08/02/95	395-08IUT-018	ACCEPT
03-073-1880	8" SCH 140 PIPE-TO-VAL VE	CF1	C5.11	PT	08/02/95	395-08IPT-027	ACCEPT
03-073-2200	GUIDE	F-A	F1.20A	VT-3	07/17/95	395-08IVT-036	Accept
03-073 2210-F	SWAY STRUT	F-A	F1.20/	VT-3	07/17/95	395-08IVT-036	Accept
03-073-2220-F	GUIDE & Y-STOP	F-A	F1.20E	3 VT-3	07/14/95	395-08IVT-006	ACCEPT
03-073-2220-1	GUIDE & Y-STOP W/INTEGRALLY WELDED LUGS	C-C	C3.20	PT	07/14/95	395-08IPT-015	ACCEPT
03-073-2240	GUIDE	F-A	F1.20/		-	395-08IVT-036	
03-073-2250-F	Y-STOP	Г-А	F1.20/		07/14/95	395-08IVT-006	ACCEPT
03-073-2250-I	Y-STOP W/INTEGRALLY WELDED LUGS	C-C				395-08IPT-015	
03-073-830	8" SCH 140 PIPE-TO-VAL VE	-	C5.11			395-08IUT-007	

12/13/95



Southern California Edison

ISI ID NO.	Area Description	Cat	Item	Method	Exam Date	Report No	Results
03-073-830	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-850	VALVE TO 8" SCH 140 PIPE	CF1	C5.11	UT	07/12/95	395-08IUT-007	ACCEPT
03-073-850	VALVE TO 8" SCH 140 PIPE	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-860	8" SCH 140 PIPE-TO-PENETRATION NO 51	CF1	C5.11	UT	07/12/95	395-08IUT-007	ACCEPT
03-073-860	8" SCH 140 PIPE-TO-PENETRATION NO. 51	CF1	C5.11	PT	07/12/95	395-08IPT-011	ACCEPT
03-073-870	PENTRATION NO. 51-TO-8" SCH 140 PIPE	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-870	PENTRATION NO. 51-TO-8" SCH 140 PIPE	CF1	C5.11	PT	08/01/95	395-08IPT-025	ACCEPT
03-073-880	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	UT	08/02/95	395-08IUT-018	ACCEPT
03-073-880	8" SCH 140 PIPE-TO-VALVE	CF1	C5.11	PT	08/01/95	395-08IPT-025	ACCEPT
ZONE: 75			71.1				
03-075-580	GUIDE & Y-STOP	F-A	F1.20B	VT-3	07/14/95	395-08IVT-033	ACCEPT
03-075-590	GUIDE	F-A	F1.20A	VT-3	07/14/95	395-08IVT-033	ACCEPT
03-075-610-F	VARIABLE SPRINGS	F-A	F1.20C	VI-3	07/14/55	395-08IVT-033	ACCEPT
03-075-610-I	VARIABLE SPRINGS W/INTEGRALLY WELDED LUGS	C-C	C3.20	PT	07/14/95	395-08IPT-018	ACCEPT
ZONE: 78							
03-078-1010	GUIDE	F-A	F1.20A	YT-3	07/14/95	395-08IVT-035	ACCEPT
03-078-1020	Y-STOP	F-A	F1.20A	VT-3	07/14/95	395-08IVT-035	ACCEPT
03-078-1030	GUIDE	F-A	F1.20A	VT-3	07/14/95	395-08IVT-035	ACCEPT
03-078-940	VARIABLE SPRING	F-A	F1.20C	VT-3	07/14/95	395-08IVT-035	ACCEPT
03-078-950-F	GUIDE & AXIAL STOP	F-A	F1.20B	VT-3	07/14/95	395-08IVT-007	ACCEPT
03-078-950-I	GUIDE & AXIAL STOP W/INTEGRALLY WELDED LUGS	C-C	C3.20	PT	07/14/95	395-08IPT-016	ACCEPT
03-078-970	GUIDE	F-A	F1.20A	VT-3	07/14/95	395-08IVT-035	ACCEPT
03-078-990-F	ANCHOR	F-A	F1.20B	VT-3	07/14/95	395-08IVT-035	ACCEPT
And the second s							

UNIT-3 CYCLE-8 SYSTEM PRESSURE TESTS

SYSTEM	PLANT LOCATION	PRESSURE REQT/ACT PSI.	TEMPERATURE REQT/ACT F	EXAM DATE
A) SYSTEM LEAKAGE TESTS				
REACTOR COOLANT (1201)	RCS PIPING INSIDE CONTAINMENT	2250 <u>+</u> 25 / 2250	>350/430	9/21/95
B) SYSTEM FUNCTIONAL TESTS				
LOW PRESSURE SAFETY INJECTION 1204	PUMP NO. 1/ MP015	NOP(1) /160	NOT(2)/AMB(3)	9/12/95
LOW PRESSURE SAFETY INJECTION 1204	PUMP NO.2/ MP016	NOP/160	NOT/AMB	9/24/95
HIGH PRESSURE SAFETY INJECTION 1204	PUMP NO. 1/ MP017	NOP/975	NOT/AMB	6/20/95
HIGH PRESSURE SAFETY INJECTION 1204	PUMP NO. 2/ MP018	NOP/1000	NOT/AMB	6/8/95
HIGH PRESSURE SAFETY INJECTION 1204	PUMP NO. 3/ MP019	NOP/1505	NOT/AMB	7/11/95
CONTAINMENT SPRAY 1206	PUMP NO. 1/MP012	NOP/275	NOT/AMB	9/20/95
CONTAINMENT SPRAY 1206	PUMP NO. 2/MP013	NOP/248	NOT/AMB	9/15/95
C) SYSTEM INSERVICE TESTS				
CHEMICAL & VOLUME CONTROL 1208	INSIDE CONTAINMENT	NOP/2256-RCS(4)	NOT/≥553-RCS	7/22/95
CHEMICAL & VOLUME CONTROL 1208	OUTSIDE CONTAINMENT	NOP/2251	NOT/545	7/21/95 & 9/22/95
MAIN STEAM 1301	INSIDE CONTAINMENT	NOP/865.7	NOT/501	7/22/95
MAIN STEAM 1301	OUTSIDE CONTAINMENT	NOP/852	NOT/495	7/10/95
MAIN FEEDWATER 1305	INSIDE CONTAINMENT	NOP/865.7	NOT/501	7/22/95
MAIN FEEDWATER 1305	OUTSIDE CONTAINMENT	NOP/998	NOT/418	7/10/95
AUXILIARY FEEDWATER 1305	INSIDE CONTAINMENT	NOP/998.5	NOT/513	7/22/95
AUXILIARY FEEDWATER 1305	OUTSIDE CONTAINMENT	NOP/998.5	NOT/513	7/22/95
(1) Normal Operating Pressure				
(2) Normal Operating Temperature				
(3) Ambient or RoomTemperature				
(4) Reactor Coolant System				

ATTACHMENT 10

FORM NIS-2 OWNER'S REPORTS FOR REPAIRS OR REPLACEMENTS

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required in the Provisions of the ASME Code Section CO

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System CEDM Control

2. Plant:

Unit: 3

MO: 92012135003 95080905000

Rspec: GEN-107, 191-95

P&ID: 40111ASO3

N-5: S3-1201-3

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, W'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
Control Element Drive Mechanism	Combustion Engineering	1470-093	N/A	S31104CEDM #50	1978	Repaired	Yes
Ball Seal Housing	Combustion Engineering	Heat 28119	N/A	RSO 1274-87, SA479 316, CR- 3008-95	N/A	Replacement	No
Vent Stem	Combustion Engineering	Heat 36101, SN 404	N/A	RSO 1974-92, SA479 316	N/A	Replacement	No
Housing Nut	Combustion Engineering	Heat 36101, SN 413	N/A	RSO 1974-92, SA479 316	N/A	Replacement	No

7. Description of Work:

The CEDM vent housing was replaced in accordance with NCR 92020267 and MO 92012135002 by Combustion Engineering. The housing nut and vent stem were also replaced. Because there was a root alignment mismatch problem between the upper pressure housing and the new ball seal housing, the stop shoulder bearing surface on the ball seal housing required machining. The machining was performed using support MO 95080905 in accordangly with the NCR disposition. The required dimensions were verified by VT-3 examination and the upper housing was PT examined prior to installation by CE.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 440 F

FORM NIS-2 (back)

9. Remarks CR-3008-95 reconciles the replacement ball seal housing which was certified to ASME III-1, 1974 Edition, W'75 Addenda. (Applicable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair and replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A - Supervising ASME Codes Engineer Date: 12/8/95 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

2/10/95 to 12/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California

National Board, State, Province, and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit: 3

MO: 93110269001

Rosemead, California 91770

Rspec: 003-94

2. Plant:

San Onofre Nuclear Generating Station

P&ID: 40111ASO3 E-7 N-5: S3-1201-3

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

Expiration Date:

N/A N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1 and 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Globe Valve	Kerotest	YW29-18	N/A	S31201MR187	1979	***	Yes
3/8"x3/4" Pipe-to- tube Adapter	Parker Hannifin	Ht Code UAZJ	N/A	RSO 2720-93, SA479 TP316	N/A	Replacement	No
3/8" Seamless Tubing	Consolidated Power Supply	Heat 432578	N/A	RSO 1295-95, SA213 TP316	N/A	Replacement	No
3/8" Tube Union	Swagelok, Crawford Fitting	Heat R14IR0519B	N/A	RSO 1312-95, SA479 TP316	N/A	Replacement	No

Description of Work:

The Parker pipe-to-tube adapter fitting at valve S31201MR187 was scheduled for replacement due to the accumulation of dry boric acid crystals. Because plant interferences prevented this work from being done in the field, the entire valve assembly was cut from the system at the socket weld at the nozzle-to-nipple joint (Class 1 joint). In the shop, the pipe-to-tube adapter was welded using weld record WR3-94-008 (Class 2 joint). The tubing and tube union were also replaced. The entire assembly was then reinstalled in accordance with the WR3-94-008.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2250 psia

Temp: N/A

(Applicable Manufacturers Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No; N/A Expiration Date: N/A Signed: Supervising ASME Codes Engineer Date: 12/8/95 Owner or Owner's Designee, Title

CE	RTIFICATE OF	INSPECTION	
I, the undersigned holding a valid commission the State or Province of California, and employ Waltham, Massachusetts have inspected the BUGS to DAB GS has performed examinations and taken corrective requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector examinations and corrective measures describe employer shall be liable in any manner for any connected with this inspection.	components described and state ve measures described in this Owner's	of Mutual Insurantibed in this Owne that to the best of ribed in this Owner makes any warranteport. Furtherm	nce Company of it's Report during the period f my knowledge and belief, the Owner it's Report in accordance with the nty, expressed or implied, concerning the ore, neither the Inspector nor his
Inspector's Signature	Commissions _		California State, Province, and Endorsements
Date Jac. 8, 1995			

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

93110650000 MO:

3 Unit:

Rosemead, California 91770

Rspec: 278-93 R3 P&ID: 40112ASO3 H-2

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-34

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1980 Edition, S'82 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
2" Globe Stop Check Valve	Rockwell International	22ACJ	N/A	S31204MU034	1989	Repaired	Yes

7. Description of Work:

The valve in plant location S31204MU034 was disassembled for rework. This required the removal of the body-to-bonnet seal weld. The valve was cleaned and inspected with satisfactory results. The seal weld was reapplied in accordance with weld record WR3-93-629.

8. Tests Conducted: System Functional Pressure Test

Pressure: 1000 psig

Temp: N/A

FORM NIS-2 (back)

9. Remarks None.

(Apporable Manufacturer's Data Apports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Owner or Owner's Designee, Title

Supervising ASME Codes Engineer Date: 12/5/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/23/95 to 19/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

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California

National Board, State, Province, and Endorsements

Date Dec. Ce, 1995

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Unit: 3

93111806000 MO:

Rosemead, California 91770

Rspec: 296-93

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40112ASO3 C-2 N-5: \$3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

Expiration Date:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1977 Edition, S'77 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2" Threaded Globe Needle Valve	Anderson, Greenwood & Co.	N70083	N/A	S31204MR434	1992	Replaced	Yes
1/2" Threaded Globe Needle Valve	Anderson, Greenwood & Co.	N70074	N/A	RSO 0573-93, CR- 89-003	1993	Replacement	Yes

7. Description of Work:

The vent valve in position S31204MR434 was replaced due to seat leakage. The existing upstream male connector was reused.

8. Tests Conducted: System Functional Pressure Test

Pressure: 1505 psig

Temp: N/A

FORM NIS-2 (back)

9. Remarks CR-89-003 reconciles the replacement valve which was certified to ASME III-2, 1983 Edition, S'85 Addenda. (Appocable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/23/95 Merche Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 3/7/94 to 10/94/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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

National Board, State, Province, and Endorsements

Inspector's Signature Commissions 1862

connected with this inspection.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 MO: 93121777000

Unit:

N-5:

FCN: F10742M, F10743M

Rspec: 004-95

San Onofre Nuclear Generating Station P&ID: 40111ASO3 F-5 San Clemente, California 92674-0128 S3-1204-32, S3-1204-2-11

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A 4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda (Valve), 1974 Edition, S'74 Addenda (Installation), 1992 Edition, No Addenda (NDE): Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda, Code Case: N-416-1

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3" Tilting Disc Check Valve	Anchor/Darling	1N-351	N/A	S31204MU152	1979	Replaced	Yes
3" Tilting Disc Check Valve	Anchor/Darling	ET435-1-2	N/A	RSO 2560-93	1993	Replacement	Yes
3" Sch. 160 Pipe	Tioga Pipe	Heat V40401	N/A	RSO 1226-95, SA376 TP316	N/A	Replacement	No

7. Description of Work:

2. Plant:

The check valve was replaced with a new model in accordance with FCNs F10742M and F10743M. The valve end preparations were PT examined. The installation welds, performed in accordance with weld record WR3-95-093, received final RT and PT examinations. A VT-1 examination was performed on the hinge pin cover bolting with satisfactory results. Reference: Weld Record WR3-95-093

8. Tests Conducted: System Leakage Pressure Test

Pres: 1550 psig

Temp: N/A

FORM NIS-2 (back)

Remarks The provisions of Code Case N-416-1 were applied which allow for alternative pressure testing.
 Accordingly, the requirements of the 1992 Edition with no Addenda of Sections III and XI were implemented for NDE and pressure testing.

(Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 14/0/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 12/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any measurer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

Date Dec. 8, 1995

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Unit:

MO: 94010478001

Rosemead, California 91770

Rspec: 089-94

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40141HSO3 G-5 N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Main Steam

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2" NPT x 3/8" Tube Fitting	Crawford Fitting Co.	Ht Code FHT/EVZ	N/A	RSO 1121-93, Part SS-600-1-8, SA182 Gr. 316	N/A	Replacement	No

7. Description of Work:

The male pipe-to-tube adapter between isolation valve S31301MR035 and the bushing adapter at the actuator dome was replaced due to nitrogen leakage at the dome.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2450 psig

Temp: N/A

connected with this inspection.

Inspector's Signature

(Appucable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/6/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/5/95 to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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

Commissions /862

California

National Board, State, Province, and Endorsements

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit 3

MO: 94010824000

Rspec: EREF-0089

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40141ASO3 C-2 N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

4. Identification of System Steam Generator Blowdown Processing

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, No Addenda, Code Case: 1637

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6" Diaphragm Actuated Control Valve	Fisher Controls	6489973	N/A	3HV4053	1979	***	Yes
Primary Plug	Fisher Controls	PB2790-1	N/A	RSO 3575-86, CR- 3011-95	1986	Replacement	Yes

7. Description of Work

The valve was disassembled for inspection due to observed leakage. The valve was reassembled after replacing the valve plug.

8. Tests Conducted: System Functional Pressure Test

Pressure: 996 psia

Temp: N/A

9. Remarks CR-3011-95 reconciles the replacement primary plug which was certified to ASME III-2, 1980 Edition, S'82 Addenda. (Applicable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/8/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions /80

California

National Board, State, Province, and Endorsements

Inspector's Signature

As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit:

MO:

RS:

94011296 94020204

San Onofre Nuclear Generating Station P.O. Box 128, San Clemente, CA 92674-0128

009-94

011-94

P&ID:

40123BSO3 (E-6) S3-1208-14

3. Work Performed by:

Plant:

Southern California Edison Company

N-5:

N/A

Identification of System:

Chemical and Volume Control

Type Code Symbol Stamp: Authorization No:

N/A

Expiration Date:

N/A

5. Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S73 Addenda, Code Cases: 1649 (a)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1977 Edition, 579 Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.		Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
1" Flow Control Valve	ITT Hammel Dahl Conoflow	74/5797/014	95 N/A	3PV0201A	1977	Repaired	Yes
Valve Plug	ITT Hammel Dahi Conoflow	A-6 Ht. 840855	N/A	RSO 8095-84 SA-479, TP. 316 w/Stellite 6	1984	Replacement	Yes

Description of Work:

The valve internals were inspected and the valve plug was replaced using MO 94011296. On MO 94020204, the socket weld joint between the packing leak-off nipple and the valve bonnet, which contained a pinhole leak, was removed. The leak-off nipple was shortened to remove the old weld zone and rewelded in accordance with WR3-94-032.

Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other [] Pressure: 330 psig Temp: N/A

9.	Remarks: None
7.	Lightight year 140010

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 6/4 , 1994

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 13/94 to 6/9/94, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions /462 California (National Board, State, Province, and Endorsements)

Date Auro 9, 1994

As Required by the Provisions of the ASME Code SectionX

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

San Clemente, California

3. Work Performed by: Southern California Edison Company

4. Identification of System Reactor Coolant

Unit: 3

MO: 94020698000 94120245000

FCN: F9660M Rspec: 122-94

P&ID: 40112CSO3 D-3

N-5: S3-1204-5

Type Code Symbol Stamp: N/A

Authorization No:

Expiration Date:

N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3" Tilting Disc Check Valve	Anchor/Darling	1N-243	N/A	S31204MU018	1977		Yes
1/2"-13x 36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
1/2"-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 2991-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9660M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: ______Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 12195, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

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Commissions 1862

California

Inspector's Signature

Commingate

National Board, State, Province, and Endorsements

Date Nov. 21, 1995

As Required by the Provisions of the ASME Code SectionIC

1. Owner: Southern California Edison Company

Unit: 2244 Walnut Grove Avenue MO: 94020700000 94120245000

Rosemead, California 91770 FCN: F9661M

Rspec: 123-94 2. Plant: San Onofre Nuclear Generating Station P&ID: 40112CSO3 C-3 San Clemente, California 92674-0128 N-5: S3-1204-4

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A 4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3" Tilting Disc Check Valve	Anchor/Darling	1N-201	N/A	S31204MU019	1976	***	Yes
1/2"-13x 36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
1/2"-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSOs 2991-93, 1377-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9661M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

properties menulacurers wate Asports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Myaiche Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 10/20/94 to 1/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MON. 21, 1995

1. Owner: Southern California Edison Company

Unit: 2244 Walnut Grove Avenue MO:

Rosemead, California 91770 FCN: F9662M

Rspec: 124-94 2. Plant: San Onofre Nuclear Generating Station P&ID: 40112CSO3 B-3 San Clemente, California 92674-0128 N-5: S3-1204-3

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A 4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3" Tilting Disc Check Valve	Anchor/Darling	1N-204	N/A	S31204MU020	1976	***	Yes
1/2"-13x 36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 2991-93, SA453 660B	N/A	Replacement	No
1/2"-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 2991-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9662M, Root Cause Report 93-002

8. Tests Conducted: System Leakage P essure Test

Pres: 2250 psia

Temp: 431 F

94020701000 94120245000

Apparent manuscriets was reported to be similarly

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: WHA Supervising ASME Codes Engineer Date: 11/21/95

Owner of Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 12/20/94 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Mov. 21, 1995

As Required by the Provisions of the ASME Code SeptionAC

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Noscincad, Camorina

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

4. Identification of System Reactor Coolant

Unit: 3

100 0100

MO: 94020702000 94120245000

FCN: F9663M

Rspec: 125-94

P&ID: 40112CSO3 N-5: S3-1204-2

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
3" Tilting Disc Check Valve	Anchor/Darling	1N-202	N/A	S31204MU021	1976	***	Yes
1/2"-13x 36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 2991-93, SA453 660B	N/A	Replacement	No
1/2"-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 2991-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9663M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

9.	Remarks	None.
2.	TAMERICAN POST	T. A. M. T. S. M.

(Approadie Manutacter's Data Reports to be stracted)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 11/21/95

Owner of Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/4/95 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MOV. 21, 1995

1. Owner: Southern California Edison Company

Unit: 2244 Walnut Grove Avenue 94020703000 94120245000

Rosemead, California 91770 FCN: F9672M Rspec: 140-94

2. Plant: San Onofre Nuclear Generating Station P&ID: 40112CSO3 F-7 San Clemente, California 92674-0128 N-5: S3-1204-15

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A 4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3* Tilting Disc Check Valve	Anchor/Darling	2N-1407	N/A	S31204MU155	1978	***	Yes
1/2"-13x 36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 3299-93, SA453 660B	N/A	Replacement	No
1/2°-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 0335-95, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. Reference: FCN F9672M, Root Cause Report 93-002

8. Tests Conducted: System Functional Pressure Test

Pres: 975 psig

Temp: N/A

 Remarks The replacement bolting was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134.

(Applicable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A Expiration Date: N/A

Signed: AlMerill Supervising ASME Codes Engineer Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862 California

National Board, State, Province, and Endorsements

Date May, 21, 1995

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Work Performed by: Southern California Edison Company

4. Identification of System Reactor Coolant

2. Plant:

3 Unit

MO:

94020705000 94120245000

FCN: F9665M

Rspec: 126-94

P&ID: 40112DSO3

N-5: S3-1204-5

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
8" Tilting Disc Check Valve	Anchor/Darling	1N-230	N/A	S31204MU072	1976	***	Yes
5/8"-11 x 36" All Thread	Nova Machine Products	Heat 22678	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
5/8"-11 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 2 5/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9665M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

9. Remarks None.

(Appacable Manufacturer's Data Reports to be atlached)

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Not describe to	A Aut A Torre	h the short	- A	That That's	a 7 and the	take but I have been

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising A SME Codes Engineer Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/4/95 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MON. 21, 1995

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Reactor Coolant

Unit:

94020706000 94120245000 MO:

FCN: F9666M

Rspec: 127-94

P&ID: 40112DSO3 N-5: S3-1204-4

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
8" Tilting Disc Check Valve	Anchor/Darling	1N-228	N/A	S31204MU073	1976	***	Yes
5/8"-11 x 36" All Thread	Nova Machine Products	Heat 22678	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
5/8"-11 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 1837-94, SA453 660B	N/A	Replacement	No

Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 2 5/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9666M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Applicable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certifice's of Authorization No: N/A Expiration Date: N/A Date: 1/21/95 Signed: /MA Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual In urance Company of Waltham, Massachusetts have inspected the components described in this (wner's Report during the period 1/4/95 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 Inspector's Signature California National Board, State, Province, and Endorsements

Southern California Edison Company 1. Owner:

Unit: 2244 Walnut Grove Avenue

94020707000 94120245000 MO:

Rosemead, California 91770 FCN: F9667M

Rspec: 128-94 San Onofre Nuclear Generating Station 2. Plant: P&ID: 40112DSO3 San Clemente, California 92674-0128 S3-1201-3 N-5:

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A 4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
8" Tilting Disc Check Valve	Anchor/Darling	1N-232	N/A	S31204MU074	1976	***	Yes
5/8"-11 x 36" All Thread	Nova Machine Products	Heat 22678	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
5/8*-11 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 1837-94, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight study were cut to 2 5/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9667M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Appurable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 11/21/95

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, and employed by Arlwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Ovner's Report during the period 1/4/95 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Manpoon Commissions 1862

Inspector's Signature

National Board, State, Province, and Endorsements

Date May, 21, 1995

As Required by the Provinces of the walked Code Society C.

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Reactor Coolant

Unit: 3

MO: 94020708000 94120245000

FCN: F9668M

Rspec: 129-94 P&ID: 40112DSO3

N-5: S3-1204-2

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
8" Tilting Disc Check Valve	Anchor/Darling	1N-223	N/A	S31204MU075	1976	****	Yes
5/8"-11 x 36" All Thread	Nova Machine Products	Heat 22678	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
5/8"-11 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 1837-94, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 2 5/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9668M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Applicable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: While Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Mev. 21, 1995

Southern California Edison Company 1. Owner:

Unit: 2244 Walnut Grove Avenue MO:

94020709000 94120245000 Rosemead, California 91770

FCN: F9677M Rspec: 136-94

2. Plant: San Onofre Nuclear Generating Station P&ID: 40113ASO3 San Clemente, California 92674-0128 N-5: S3-1204-5

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A 4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
12" Tilting Disc Check Valve	Anchor/Darling	1N-182	N/A	S31204MU040	1976	***	Yes
3/4"-10 x 36" All Thread	Nova Machine Products	Heat 22678	N/A	RSO 1377-93, SA453 660B	N/A	Replacement	No
3/4"-10 Heavy Hex Nuts (8)	Nova Machine Products	Heat 74853	N/A	RSO 1846-94, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight study were cut to 3 1/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9677M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Appucable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: alleill Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/4/95 to 1/2/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

___Commissions 1862

California

National Board, State, Province, and Endorsements

Date MW. 21, 1995

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Clemente, California 92674-0128

San Onofre Nuclear Generating Station

Work Performed by: Southern California Edison Company

4. Identification of System Boric Acid Mix and Storage

Unit:

MO: 94020711000 94120245000

FCN: F9678M

Rspec: 137-94

P&ID: 40113ASO3 S3-1204-4 N-5:

Type Code Symbol Stamp: N/A

Authorization No:

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addends, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
12" Tilting Disc Check Valve	Anchor/Darling	1N-195	N/A	S31204MU041	1976	***	Yes
3/4"-10 x 36" All Thread	Vitco Nuclear Products	Ht Code NBM	N/A	RSO 0318-94, SA453 660B	N/A	Replacement	No
3/4"-10 Heavy Hex Nuts (8)	Nova Machine Products	Heat 74853	N/A	RSO 1846-94, SA453 660B	N/A	Replacement	No

7. Description of Work:

2. Plant:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 3 1/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9678M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Appurable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

We certuly that the statements made in the report are correct and this of the ASME Code, Section XI.

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer
Owner or Owner's Designee, Title

Date: 1/21/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 112195, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MOV. 21, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Safety Injection and Shutdown Cooling

Unit: 3

MO: 94020712000 94120245000

FCN: F9679M

Rspec: 138-94 P&ID: 40113BSO3 N-5: S3-1204-3

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements. 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
10" Tilting Disc Check Valve	Anchor/Darling	1N-188	N/A	S31204MU042	1976	***	Yes
3/4"-10 x 36" All Thread	Vitco Nuclear Products	Ht Code NBM	N/A	RSO 0318-94, SA453 660B	N/A	Replacement	No
3/4"-10 Heavy Hex Nuts (8)	Nova Machine Products	Heat 74853, 37730, 37730	N/A	RSOs 1846-94, 1710-93, 1377-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 3 1/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9679M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

9. Remarks None

(Apposable Manufamirer's Data Asports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 2/8/95 to 11/27/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Mey 27, 1995

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Dan Cicineme, California 92074-0120

3. Work Performed by: Southern California Edison Company

4. Identification of System Safety Injection and Shutdown Cooling

Unit: 3

MO: 94020713000 94120245000

FCN: F9680M

Rspec: 139-94

P&ID: 40113BSO3

N-5: S3-1204-2

Type Code Symbol Stamp: N/A

Authorization No:

Expiration Date: N/A

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
12" Tilting Disc Check Valve	Anchor/Darling	1N-184	N/A	S31204MU043	1976	***	Yes
3/4"-10 x 36" All Thread	Nova Machine, Vitco Nuc Prod	Heat 22678, Ht Code NBM	N/A	RSO 1377-93, 0318-94, SA453 660B	N/A	Replacement	No
3/4"-10 Heavy Hex Nuts (8)	Nova Machine Products	Heat 37730	N/A	RSO 1710-93, 1377-93, SA453 660B	N/A	Replacement	No

7. Description of Work:

2. Plant:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 3 1/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9680M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

(Appusable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions /840

California

National Board, State, Province, and Endorsements

Date Mev. 21, 1995

As Respected by the Provisious of the ASMX Code Section XI

Owner: Southern California Edison Company 1.

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit: 3

MO:

94021183

2. Plant: San Opofre Nuclear Generating Station

RS: P&ID: 017-94

40123SO3 (E-5) S3-1208-14

P.O. Box 128, San Clemente, CA 92674-0128

N-5:

3. Work Performed by:

(b)

6.

Southern California Edison Company

Type Code Symbol Stamp:

N/A

Identification of System: 4

Chemical and Volume Control

Authorization No:

N/A

(a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, \$73 Addenda, Code Cases: None

Expiration Date:

N/A

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
1" Flow Control Valve	ITT Hammel Dahl Conoflow	74/5797/015	N/A	3PV0201B	1977	***	Yes
Valve Plug	ITT Hammel Dahl Conoflow	A-2 Ht. 840855	N/A	RSO 8095-84	1977	Replacement	Yes

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

7. Description of Work:

The valve was disassembled and refurbished. The valve plug required replacement.

Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other [] Pressure: 330 psig Temp: N/A

Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/4 in. x 11 in., (2) information in Items 1 through 6 on this 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, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

Remarks: None

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 6/25 1994

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period to 7/1/94 to 7/1/94 and state that to the best of my knowledge and belief, the Owner has performed examination; and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862 California (National Board, State, Province, and Endorsements)

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit: 3

94030880000 MO:

Rspec: 032-94

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40134DSO3 E-5 N-5: S3-1212-8

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

4. Identification of System: Nuclear Plant Sampling

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2" Globe Valve	Kerotest	ZP56-24	N/A	S31212MU020	1978	***	Yes
Disc	Kerotest	MAK295-18	N/A	RSO 2-P-2322-82, PN 22-9-(1)-Z	1982	Replacement	Yes

7. Description of Work

The valve was disassembled for inspection due to seat leakage and operational difficulties. The valve was reassembled after replacing the valve disc.

8. Tests Conducted: System Functional Pressure Test

Pressure: 24 psig

Temp: N/A

9. Remarks: The replacement disc was certified to ASME III-1.

(Applicable Manufacture's Data Reports to be affached)

CERTIFICA	TE OF	COMPL	LANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed:

Supervising ASME Codes Engineer

Date: 4/5/95

Owner or Owner's Designee, Title

CERTIFICATE OF INSPECTION

the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 6/30/94 to 4/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862 California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

MO: 94031576000

P&ID: 40156DSO3 H-5

Rspec: 090-94

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1305-7

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date: N/A N/A

4. Identification of System Feedwater

5. (a) Applicable Construction Code: ASME Section III. Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2" NPT x 3/8" Tube Fitting	Swagelok	Heat R13IL0511B	N/A	RSO 0857-94, SS- 600-1-8, SA182 Gr. 316		Replacement	No

7. Description of Work:

The male pipe-to-tube adapter between isolation valve S31305MR849 and the bushing adapter at the actuator dome was replaced due to nitrogen leakage at the dome.

8. Tests Conducted: System Functional Pressure Test

Pressure: 1650 psig

Temp: N/A

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(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/5/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/7/95 to 12/6/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

na Dec. 6, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3 MO: 94031694000

MO: 94031694000 Rspec: EREF-0209

P&ID: 40134ASO3 E-6

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1212-13

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

Expiration Date:

N/A

4. Identification of System Nuclear Plant Sampling

5. (a) Applicable Construction Code: ASME Section III. Class 2, 1974 Edition, No Addenda, Code Case: 1637

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Diaphragm Actuated Control Valve	Fisher Controls	6289688	3296	3HV0511	1978	***	Yes
Valve Plug	Fisher Controls	SB1179-1	N/A	RSO 1175-95, 20A0585X10	1995	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection due to observed leakage when used as a boundary. The valve was reassembled after replacing the valve plug.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2260 psia

Temp: N/A

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 12/5/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/24/95 to 12/6/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

1 Simpson Inspector's Signature

Commissions

California

National Board, State, Province, and Endorsements

MO:

94040562002

P&ID: 40134DSO3 F-5

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770 Rspec: 054-94

2. Plant: San Onofre Nuclear Generating Station

N-5: \$3-1212-14 San Clemente, California 92674-0128

Type Code Symbol Stamp: N/A 3. Work Performed by: Southern California Edison Company

Authorization No: N/A Expiration Date: N/A

4. Identification of System Nuclear Plant Sampling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2" Globe Valve	Kerotest	ZP56-15	N/A	S31212MU027	1978	***	Yes
Disc	Kerotest	MAK295-9	N/A	RSO 2-P-2322-82, 22-9-(1)-Z	1982	Replacement	Yes

7. Description of Work:

The valve leaked and required rework. The valve disc was replaced and returned to service.

8. Tests Conducted: System Functional Pressure Test

Pressure: 310 psig

(Approprie Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 12/1/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

9/13/94 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASMF Code SectionXI

1. Owner: Southern California Edison Company
2244 Walnut Grove Avenue
Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

San Clemente, California 92674-0128

San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System: Chemical and Volume Control

Type Code Symbol Stamp: N/A

Authorization No: N/A
Expiration Date: V/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0009	N/A	3PSV9225	1985	Replaced	Yes
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0012	N/A	Tested Spare, Rebuild MO 92041751	1985	Replacement	Yes

7. Description of Work:

The relief valve was replaced with a rebuilt spare due to leakage from the valve body. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2350 psig

9. Remarks: None.

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: ______ Supervising ASME Codes Engineer Date: 6/26/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 2/24/94 to 6/27/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

94060676000

As Required by the Provisions of the ASME Code SectionIX

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue MO:

Rosemead, California 91770 FCN: F10161M
Rspec: GEN-106 R1

2. Plant: San Onofre Nuclear Generating Station P&ID: 40111ASO3 G-8 San Clemente, California 92674-0128 N-5: S3-1201-3

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A
4 Identification of System Reactor Coolant Expiration Date: N/A

4. Identification of System Reactor Coolant Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, W71 Addenda (Pump), 1980 Edition, S'82 Addenda (Seal Cartridge), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
36" Reactor Coolant Pump	Byron Jackson	701-N-0561	N/A	S31201MP003	1978	076	Yes
Mechanical Seal Cartridge	Bingham Willamette	1714880-8	1168	SO23-CART-18	1986	Replaced	Yes
Mechanical Seal Cartridge	Bingham Willamette	1659057-12	1220	SO23-CART-26, Rebuild MO 93120402	1986	Replacement	Yes

7. Description of Work:

The RCP seal cartridge was replaced with a spare which had been rebuilt in accordance with MO 93120402, and FCN F10161M. A VT-1 examination was performed on the seal housing assembly capscrews with satisfactory results. The removed seal cartridge was placed into the rebuild program.

8. Tests Conducted: System Leakage Pressure Test Pres: 2250 psia Temp: 435 F

9. Remarks None.

(Appurable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer Date: 12/1/95
Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/30/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date Jake 4 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit:

MO: 94061659001

Rosemead, California 91770

Rspec: GEN-139

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40141DSO3 B-2 N-5: S3-1301-1

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A Authorization No:

Expiration Date:

N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: 1781

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
40" Gate Valve	WKM	484769	1374	3HV8205	1978		Yes
5/8"-11x36" All Thread	Nova Machine Products	Heat 8099572	N/A	RSO 0943-95, SA193 B7, CR- 2001-93	N/A	Replacement	No
5/8"-11 Heavy Hex Nuts (8)	Vitco Nuclear Products	Ht Code 107	N/A	RSO 0819-95, SA194 2H, CR- 2001-93	N/A	Replacement	No

Description of Work:

The valve was disassembled for inspection. The upper-north flange studs and nuts required replacement. Four studs were cut to 4 1/4" lengths from all-thread material in accordance with CEN-139, with the required markings being transferred to the cut pieces.

8. Tests Conducted: System Inservice Pressure Test

Pressure: 987 psig

 Remarks CR-2001-93 reconciles the replacement studs and nuts, which were certified to ASME III-2 1989 Edition, No Addenda, and III-2, 1974 Edition No Addenda, respectively. There was supporting RSO documentation that supported later Code editions & CR-2001-93.

F COMPLIANCE this replacement conforms to the rules
this replacement conforms to the rules
repair or replacement
n Date: N/A des Engineer Date: /2/11/95
INSPECTION ional Board of Boiler and Pressure Vessel Inspectors and at Mutual Insurance Company of ribed in this Owner's Report during the period e that to the best of my knowledge and belief, the Owner ribed in this Owner's Report in accordance with the
makes any warranty, expressed or implied, concerning the Report. Furthermore, neither the Inspector nor his
property damage or a loss of any kind arising from or 186 Z California
d II

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

MO: 94061797000 Rspec: EREF-0173

3

Unit

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40111BSO3 G-7

N-5: S3-1201-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1974 Edition, No Addenda (Valve), S'74 (Bolting), Code Cases:
None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Rep aired, Rep aced or Rep acement	ASME Code Stamped Yes/No
6"x8" Pressurizer Safety Valve	Dresser	BSO3210	N/A	3PSV0200	1978	Replaced	Yes
6"x8" Pressurizer Safety Valve	Dresser	BSO3212	N/A	Rebuild MO 95040633, RSO 1104-95	1978	Replacement	Yes
2"-8x14 1/2" Stud Thread	Nova Machine Products	Heat 89712, K7K	N/A	RSO 1638-93, SA194 B7	N/A	Replacement	No
2"-8 Heavy Hex Nuts (2)	Nova Machine Products	Ht Code K7M	N/A	RSO 1869-93, SA193 Gr. 7	N/A	Replacement	No

7. Description of Work:

The pressurizer safety valve was replaced as a preventative maintenance action. The inlet flange bolting was VT-1 examined. The stud and nut in the #2 position was replaced based on the examination results. The replacement valve was a spare which had been returned to the vendor for refurbishment and testing. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 435 F

Date Ste 4, 1995

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 62/1/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/85/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

As Remined by the Pennisions of the ASME Code Section NT

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

MO: 94061806000

Unit:

Rosemead, California 91770

Rspec: EREF-0173 P&ID: 40111BSO3 G-5

2. Plant:

3. Work Performed by:

San Onofie Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1201-2

3

Type Code Symbol Stamp: N/A

Southern California Edison Company

Authorization No:

4. Identification of System Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1974 Edition, No Addenda (Valve), S'74 (Bolting), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x8" Pressurizer Safety Valve	Dresser	BS-03211	N/A	3PSV0201	1978	Replaced	Yes
6"x8" Pressurizer Safety Valve	Dresser	BUO6253	N/A	Rebuild MO 95040633, RSO 1104-95	1980	Replacement	Yes
2"-8x14 1/2" Studs (3)	Cardinal Industrial Products	Ht Code B4	N/A	RSO 3073-91, SA193 B7	N/A	Replacement	No
2" Heavy Hex Nuts (6)	Nova Machine Products	Ht Code K7M	N/A	RSO 1869-93	N/A	Replacement	No

7. Description of Work:

The pressurizer safety valve was replaced as a preventative maintenance action. The inlet flange bolting was VT-1 examined. Selected studs and nuts were replaced based on the examination results. The replacement valve was a spare which had been returned to the vendor for refurbishment and testing. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 435 F

(Apparable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: MMilel Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 12/1/95

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, and employed by Arkwright Mutual Insurance Company of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/25/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date Dec. 4, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770

MO: 94062299000

Unit:

Rspec: EREF-0185 P&ID: 40141DSO3 G-7

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1301-1

Southern California Edison Company Work Performed by:

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Main Steam

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0002	N/A	3PSV8401	1976	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0037	N/A	RSO 0822-95	1976	Replacement	Yes
1 3/8" - 8 Inlet Nuts (12)	Nova Machine Products	Ht Code X2C	N/A	RSO 0740-95, SA194 Gr 7, CR- 2001-93	N/A	Replacement	No

Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle, disc insert and bonnet nut by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0037 to N58737-01-0037 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 998 psia

9. Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda.

(Approprie Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A

Expiration Date: N/A Certificate of Authorization No: N/A

Supervising ASME Codes Engineer Date: /2/1/95 Signed:

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/16/95 to 12/4/95 __, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions

California

National Board, State, Province, and Endorsements

Date Dec. 4, 1995

As Required by the Provisions of the ASME Code Section NI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

MO: 94062304000

3

Unit:

Rosemead, California 91770

Rspec: EREF-0188 P&ID: 40141DSO3 G-5

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1301-1

Work Performed by:

Southern California Edison Company

Type Code Symbol Starnp: N/A Authorization No: N/A

Expiration Date: N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0011	N/A	3PSV8404	1976	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0004	N/A	RSO 0824-95	1976	Replacement	Yes
1 3/8" - 8 Inlet Nuts (12)	Nova Machine Products	Ht Code X2C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle and disc insert by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0004 to N58737-01-0004 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 998 psia

9. Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda.

(Appsoable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A Expiration Date: N/A

Signed: Alleide Supervising ASME Codes Engineer Date: 18/1/35

Owner or Owner's Designee, Title

	CERTIFICATE OF	INSPECTION		
I, the undersigned holding a valid commission the State or Province of California, and emp Waltham, Massachusetts have inspected to 12/4/9 to 12/4/9 has performed examinations and taken correctly requirements of the ASME Code, Section XI	ployed by Arkwrighte components described and state of the measures described by Arkwrighte and State of the components	nt Mutual Insurant cribed in this Owne te that to the best of	nce Company of r's Report during the period my knowledge and belief, the	Owner
By signing this certificate, neither the Inspect examinations and corrective measures descri- employer shall be liable in any manner for an connected with this inspection.	bed in this Owner's	Report. Furtherm	ore, neither the Inspector nor his	3
In the support	Commissions	1862	California	
Inspector's Signature		National Board, S	State, Province, and Endorsemen	ats
a a second				
Date 6/ec, 4, 1995				

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit:

MO: 94062306000 Rspec: EREF-0189

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40141DSO3 G-5 N-5: S3-1301-1

Type Code Symbol Stamp: N/A Authorization No:

N/A

3. Work Performed by: Southern California Edison Company

Expiration Date: N/A

4. Identification of System Main Steam

2. Plant:

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0023	N/A	3PSV8405	1978	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0007	N/A	RSO 0826-95	1976	Replacement	Yes
1 3/8" - 8 Inlet Nuts (12)	Nova Machine Products	Ht Code X2C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle and disc insert by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0007 to N58737-01-0007 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 998 psia

 Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda.

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer
Owner or Owner's Designee, Title

Date: 12/1/95

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 <u>California</u> and employed by <u>Arkwright Mutual Insurance Company</u> of <u>Waltham, Massachusetts</u> have inspected the components described in this Owner's Report during the period to <u>Deffector</u>, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the

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 Owner's 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.

Inspector's Signature

requirements of the ASME Code, Section XI.

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Dec. 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Main Steam

Unit: 3

MO: 94062307000

Rspec: EREF-0187 P&ID: 40141CSO3 G-6

N-5: S3-1301-1

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0003	N/A	3PSV8412	1976	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0020	N/A	RSO 0823-95	1977	Replacement	Yes
1 3/8" - 8 Inlet Nuts (12)	Nova Machine Products	Ht Code X3C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle and disc insert by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0020 to N58737-01-0020 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 996 psia

9. Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda (Appacable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/1/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1116/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date (Dec. 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 10: 94062308000

Unit:

Rspec: EREF-0188 P&ID: 40141CSO3 G-5

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III. Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0006	N/A	3PSV8413	1976	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0001	N/A	RSO 0825-95	1976	Replacement	Yes
1 3/8" - 8 Inlet Nuts (6)	Nova Machine Products	Ht Code X2C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No
1 3/8" - 8 Inlet Nuts (6)	Nova Machine Products	Ht Code X3C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle and disc insert by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0001 to N58737-01-0001 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 996 psia

9. Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda. (Appacable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/1/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements Date Que, 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead California 91770 Unit: 3 MO: 94062:

MO: 94062312000 Rspec: EREF-0193

P&ID: 40141CSO3 G-3

Plant: San Onofre Nuclear Generating Station

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1301-2

San Clemente, Camornia 920/4-0126

Type Code Symbol Stamp: N/A Authorization No: N/A

Authorization No: Expiration Date:

N/A

4. Identification of System Main Steam

Work Performed by:

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Southern California Edison Company

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-00-0036	N/A	3PSV8418	1977	Replaced	Yes
6"x10" Safety Relief Valve	Crosby Valve & Gage	N58737-01-0038	N/A	RSO 0827-95	1976	Replacement	Yes
1 3/8" - 8 Inlet Nuts (12)	Nova Machine Products	Ht Code X3C	N/A	RSO 0740-95, SA194 Gr. 7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The main steam safety valve was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and flexi-disc modification. The attached NVR-1 data report documents the replacement of the nozzle, disc insert, two bonnet nuts, and one bonnet stud by the vendor. A new valve nameplate was created by Crosby which altered the serial number from N58737-00-0038 to N58737-01-0038 to indicate that the flexi-disc modification had been performed. During installation, the inlet nuts were also replaced. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 996 psia

9. Remarks CR-2001-93 reconciles the replacement inlet nuts which were certified to ASME III-2, 1989 Edition, No Addenda.

(Applicable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 12/5/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/16/95 to 12/6/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Dec 6, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Unit: 2244 Walnut Grove Avenue MO: 94062457002

Rosemead, California 91770 FCN: F10219M

Rspec: 060-94 R2 2. Plant: San Onofre Nuclear Generating Station P&ID: 40141GSO3 H-4 San Clemente, California 92674-0128 N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A 4. Identification of System: Main Steam Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/8" Instrument Valve	Imperial Clevite Inc.	40948	N/A	Isolation valve for 3PI8204M	1984	Replaced	Yes
3/8" Instrument Valve	Anderson Greenwood	N89275	N/A	RSO 1307-93, CR-89-003	1993	Replacement	Yes

7. Description of Work:

The pressure indicator isolation valve was leaking by and was replaced. The replacement valve was changed from an Imperial Clevite valve to an Anderson Greenwood valve in accordance with FCN F10219M. The existing tubing was reused.

8. Tests Conducted: System Functional Pressure Test

Pres: 2440 psig

9. Remarks: CR-89-003 reconciles the replacement valve which was certified to ASME III-2, 1983 Edition, S'85 Addenda. (Appenable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 7/12/95 Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 11/2/04 to 7/13/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

Date July 13, 1995

As Required by the Provinces of the ASME Code SectionOll

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

MO: 94062812000 FCN: F10162M

3

Unit:

San Onofre Nuclear Generating Station

Rspec: GEN-106 R1

San Clemente, California 92674-0128

P&ID: 40111ASO3 N-5: S3-1201-3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Reactor Coolant

2. Plant:

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, W71 Addenda (Pump), 1980 Edition, S'82 Addenda (Seal Cartridge). Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
36" Reactor Coolant Puinp	Byron Jackson	701-N-0562	N/A	S31201MP004	1979	***	Yes
Mechanical Seal Cartridge	Bingham Willamette	1659057-6	1174	SO23-CART-24	1986	Replaced	Yes
Mechanical Seal Cartridge	Bingham Willamette	1659057-11	1219	SO23-CART-25, Rebuild MO 93062340	1986	Replacement	Yes

7. Description of Work:

The RCP seal cartridge was replaced with a spare which had been rebuilt in accordance with MO 93062340, and FCN F10162M. A VT-1 examination was performed on the housing assembly capscrews and the heat exchanger bolting with satisfactory results. The removed seal cartridge was placed into the rebuild program.

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

Temp: 435 F

(Apparable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/1/95 Signed: 4

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

1/31/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date (Dec. 4, 1995

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit:

MO: 94070768000

Rosemead, California 91770

Rspec: EREF-0018 P&ID: 40112BSO3 D-3

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-12

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Y-Type Globe Valve	Kerotest	TNE6-10	N/A	S31204MR099	1976	***	Yes
Disc	BW/IP Intl.	305765, 15	N/A	RSO 3450-93	1993	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection due to the accumulation of boric acid crystals over the valve. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 515 psig

FORM NIS-2 (back) 9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NA-2134. (Appacable Manufaction's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: /2/5/95 Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/18/95 to 22/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions /8/02 California National Board, State, Province, and Endorsements

Date Wes . 7, 1995

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

Bechtel Construction Company

Unit: 3

MO: 94070913000, 95010331000

FCN: F9604M, F11043M

Rspec: 107-95, 111-95 P&ID: 40111ASO3 N-5: S3-1201-3-12

Type Code Symbol Stamp: N/A
Authorization No: N/A

Expiration Date:

N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1 (ML058), Class 1-NF (Supports), Class 2 (ML096), 1974

Edition, S'74 Addenda; Class 1, 1986 Edition, No Addenda (Valve), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes?
3/4" Sch 160S Pipe	Consolidated Power Supply	Ht Code SW769	N/A	RSO 0153-95, SA376 TP316	N/A	Replacement	No
1" Sch 160 Pipe	Al Tech Steel	Ht Code AH4481	N/A	RSO 0941-95, SA376 TP316	N/A	Replacement	No
3/4" Sch 160S RFWN Flange	Consolidated Power Supply	Ht Code 958WNE	N/A	RSO 0809-95, SA182 F316, CR-3007-95	N/A	Replacement	No
1"x 3/4" Sch 160S Concentric Reducer	Consolidated Power Supply	Ht Code 928WNA	N/A	RSO 0875-95, SA403 WP316	N/A	Replacement	No
45 Deg 1" Elbow	Consolidated Power Supply	Ht Code LJNP-1	N/A	RSO 0912-95, SA403 WP316	N/A	Replacement	No
3/4" Anchor	NPS Products	Heat 754303, Ht Code 22798NH	N/A	RSO 0608-95, SA240 Gr 304	N/A	Replacement	No
1" Sch 160 RFWN Flange	WFI	Ht Code 804TNE	N/A	RSO 3285-91, SA182 Tp 316	N/A	Replacement	No
12"x12"x 1/2" Plate	Consolidated Power Supply	Heat 224554W	N/A	RSO 0153-95, SA240 Tp 304	N/A	Replacement	No
12"x12"x 1" Plate	Consolidated Power Supply	Heat 914435	N/A	RSO 0153-95, SA240 Tp 304	N/A	Replacement	No
1" Bolted Bonnet Gate Valve	Anchor/Darling	ET967-1-1	N/A	RSO 1481-94	1994	Replacement	Yes
3.4"-10x 3 1/4" Heavy Hex Bolts (4)	Nova Machine Products	Heat 4-9943FA	N/A	RSO 0476-95, SA193 B7	N/A	Replacement	No

7. Description of Work:

The head vent line LOCA Limiter (3FO-0296) was replaced with an orifice gate valve, allowing flow when needed. The purpose of this modification is to reduce manometer effects thus improving the reactor fill/drain process while functioning as a LOCA Limiter during Modes 1 through 4 (FCN F9338M). The replacement reactor head vent line (S31201ML058) was prefabricated and hydrostatically tested. Installation on the reactor head was performed by Maintenance using MO 94070913.

Tests Conducted: <u>System Hydrostatic Pressure Test</u>
 System Leakage Pressure Test

Pres: 3110 psig 2250 psig Temp: <u>N/A</u> 430 F

9. Remarks CR-3007-95 reconciles the replacement flange (item 65) which was certified to 1986 Edition, 1986 Addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICA	TE OF C	OMPLIA	NCF
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We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: applicable Supervising ASME Codes Engineer

Date: 10/23/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 4/27/95 to 10/24/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 24, 1995

As Required by the Provisions of the ASME Code Section AJ

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Reactor Coolant

Unit: 3

MO: 94072206000 95090111000

Rspec: GEN-140

P&ID: 40111BSO3 E-5

N-5: S3-1201-2

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Pressurizer	Combustion Engineering	CE 70603	21496	S31201ME087	1977	***	Yes
Manway Stud (1)	Combustion Engineering	Heat 82158, Ht Code J-6391	N/A	RSO 2-P-1131-83, SA540 B24	N/A	Replacement	No

7. Description of Work:

The pressurizer manway studs and nuts were removed and VT-1 examined. All manway studs and nuts were acceptable for reuse with the exception of stud number 11, which was replaced. A VT-1 examination was performed on the replacement stud with satisfactory results.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 435 F

(Applicable Manufacturer's Data Reports to be stracted)

CERTIFICATE C	F COMPLIANCE
We certify that the statements made in the report are correct and of the ASME Code, Section XI.	this replacement conforms to the rules repair or replacement
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A Expiration Signed: Supervising ASME Co Owner or Owner's Designee, Title	on Date: N/A des Engineer Date: 12/1/95
CERTIFICATE OF	
I, the undersigned holding a valid commission issued by the Nathe State or Province of California and employed by Arkwright Waltham. Massachusetts have inspected the components described by the Natham performed examinations and taken corrective measures descrequirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employed examinations and corrective measures described in this Owner's	ional Board of Boiler and Pressure Vessel Inspectors and by Mutual Insurance Company of cribed in this Owner's Report during the period that to the best of my knowledge and belief, the Owner cribed in this Owner's Report in accordance with the makes any warranty, expressed or implied, concerning the Report. Furthermore, neither the Inspector nor his
I, the undersigned holding a valid commission issued by the Nathe State or Province of California and employed by Arkwrig Waltham. Massachusetts have inspected the components described by the National State of the Code, Section XI.	tional Board of Boiler and Pressure Vessel Inspectors and the Mutual Insurance Company of wribed in this Owner's Report during the period the that to the best of my knowledge and belief, the Owner wribed in this Owner's Report in accordance with the makes any warranty, expressed or implied, concerning the Report. Furthermore, neither the Inspector nor his

As Required by the Provisions of the ASME Code FectionXI

Southern California Edison Company

Unit: 2244 Walnut Grove Avenue MO: Rosemead, California 91770

Rspec: EREF-0207

3

San Onofre Nuclear Generating Station 2. Plant:

P&ID: 40112DSO3

San Clemente, California 92674-0128

N-5: S3-1201-4

Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A Authorization No: N/A Expiration Date: N/A

94072367000

4. Mentification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
6"x8" Nozzle Type Relief Valve	Crosby Valve & Gage	N60061-00-0001	N/A	3PSV9349	1978	Replaced	Yes
6"x8" Nozzle Type Relief Valve	Crosby Valve & Gage	N60061-00-0002	N/A	Rebuild MO 93112096	1978	Replacement	Yes

7. Description of Work:

The relief valve in plant position 3PSV9349 was replaced which a tested spare as a preventative maintenance action (Reference MO 93112096). The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 313 psig

(Apparable Manufartiner's Data Reports to be strached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/4/95 Signed:

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/17/05 to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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, excessed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property darnage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature Commissions 1862

National Board State

California

National Board, State, Province, and Endorsements

Date Lake. 7, 1995

Unit:

MO:

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

94080918000 94120245000 Rosemead, California 91770

FCN: F9670M

Rspec: 110-94, EREF-0055 2. Plant: San Onofre Nuclear Generating Station P&ID: 40112ASO3 C-1 San Clemente, California 92674-0128 N-5: \$3-1204-34

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: 4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
4" Tilting Disc Check Valve	Anchor/Darling	2N888	N/A	S31204MU017	1977	***	Yes
1/2"-13-36" All Thread	Nova Machine Products	Heat 16925	N/A	RSO 3299-93, SA453 660B	N/A	Replacement	No
1/2"-13 Heavy Hex Nuts (8)	Nova Machine Products	Heat 24848	N/A	RSO 0335-95, SA453 660B	N/A	Replacement	No

Description of Work:

The hinge pin cover studs and nuts were replaced with an alternate material with greater resistance to stress corrosion cracking. Using MO 94120245 and GEN-139, eight studs were cut to 1 7/8" lengths from all-thread material, with the required markings being transferred to the cut pieces. A VT-1 examination was performed on the replacement bolting. Reference: FCN F9670M, Root Cause Report 93-002

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

Temp: 431 F

9. Remarks The replacement bolting was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 11/21/95 Supervising ASME Codes Engineer 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

Date NOV. 21, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit:

MO: 94081779000 FCN: F10812M

2 Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

Rspec: EREF-0376

P&ID: 40123BSO3 E-6 N-5: S3-1208-11, S3-1208-14

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: 1649

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition. No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
1" Flow Control Valve	ITT Hammel-Dahl	74/5798/014	N/A	3PV0201A	1977	***	Yes
Valve Plug	Hammel-Dahl Inc.	A-7	N/A	RSO 8095-84, Heat 840855, SA479 Gr. 316 Stellite	1984	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection and packing modification in accordance with FCN F10812M. The valve plug could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pres: 319 psig

(Applicable Manufacturers Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed: Supervising ASME Codes Engineer Date: 12/6/95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period , and state that to the test of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.
Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements
Date Ac. 7, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

MO: 94082198000

Rspec: EREF-0022

2. Plant:

San Onofre Nuclear Generating Station

P&ID: 40112DSO3 D-7 N-5: S3-1201-4

San Clemente, California 92674-0128

Type Code Symbol Stamp

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling

3. Work Performed by: Southern California Edison Company

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Y-Type Globe Valve	Kerotest	OW30-9	N/A	S31201MU036	1976	***	Yes
Disc	BW/IP Intl.	6	N/A	RSO 3450-93, Part 72609993	1993	Replacement	Yes

7. Description of Work:

The valve was disassembled for cleaning and inspection due to valve leakage. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 515 psig

9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. (Appucable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/1/95 Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 National Board, State, Province, and Endorsements

Date 200, 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 94091613000

P&ID: 40114DSO3 C-7

Rspec: EREF-0011

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-34

Type Code Symbol Stamp: N/A

N/A

Authorization No: Expiration Date:

N/A

3. Work Performed by:

4. Identification of System Safety Injection and Shutdown Cooling

Southern California Edison Company

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: 1637

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Y-Type Globe Valve	Kerotest	SSD3-1	N/A	S31204MU061	1976	***	Yes
Bonnet	Kerotest	JSY13-4	N/A	RSO 1798-93, SA479 316	1993	Replacement	Yes

Description of Work:

The valve was disassembled for inspection due to observed leakage when used as a boundary. The valve bonnet could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 506 psig

9. Remarks The replacement bonnet was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134.

(Apparitable Manufacture's Data Reports are available on-site)

CER'	TIFICA	TE C	FC	OMPI	LANCE
the should be					

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 12/1/95

Owner of Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham. Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

National Boa

National Board, State, Province, and Endorsements

Date Olc, 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

oscincar, Camorina 91770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Unit: 3

Juic. 3

MO: 94091981000

Rspec: EREF-0011

P&ID: 40112ASO3 F-2

N-5: \$3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

Authorization No: Expiration Date:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Y-Type Globe Valve	Kerotest	YW35-23	N/A	S31204MR103	1979	***	Yes
Disc	Kerotest	CBR2-60	N/A	RSO 2758-92, SA479 316	1992	Replacement	Yes

7. Description of Work:

2. Plant:

The valve was disassembled for cleaning and inspection due to valve leakage. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 1000 psig

9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. (Appocable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed: AMerila Supervising ASME Codes Engineer Date: 12/6/95
Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/5/95 to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit:

MO: 94092095000

Rosemead, California 91770

Rspec: EREF-0021

San Onofre Nuclear Generating Station

P&ID: 40123BSO3 G-6

San Clemente, California 92574-0128

N-5: S3-1208-11

3. Work Performed by: Southern California Edison Company

2. Plant:

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Y-Type Globe Valve	Kerotest	CAJ21-20	N/A	S31208MU029	1980		Yes
Disc	BW/IP Intl.	305765, SN 11	N/A	RSO 3450-93, 72609993	1993	Replacement	Yes

Description of Work:

The valve was disassembled for rework due to seat leakage. The condition of the valve disc was unsatisfactory and required replacement.

8. Tests Conducted: System Functional Pressure Test

Pressure: 311 psig

9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134.

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/1/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/0/96 to 12/495, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Dec. 4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 94092228000

Rspec: GEN-128

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-34

P&ID: 40112CSO3 H-7

Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1"x1" Nozzle Type Safety Relief Valve	Crosby Valve & Gage	N59370-00-0004	N/A	3PSV9320	1978	Replaced	Yes
1"x1" Nozzle Type Safety Relief Valve	Crosby Valve & Gage	N59370-00-0006	N/A	RSO 1507-92	1992	Replacement	Yes

7. Description of Work:

The relief valve in plant location 3PSV9320 lifted early while running pump 3P018, as described in NCR 94090038. A a new valve was installed and the removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 975 psig

CERTIFICATE O		
	F COMPLIANCE	
We certify that the statements made in the report are correct and of the ASME Code, Section XI.	this replacement	
Type Code Symbol Stamp: N/A		
Certificate of Authorization No: N/A Expiration	on Date: N/A	
Signed: Supervising ASME Co. Owner or Owner's Designee, Title	des Engineer D	ate: 12/5/95
CERTIFICATE OF I, the undersigned holding a valid commission issued by the Nat		r and Pressure Vessel Inspectors and
the State or Province of <u>California</u> , and employed by <u>Arkwrig!</u> Waitham, Massachusetts have inspected the components described	ht Mutual Insurance cribed in this Owner'	ce Company of s Report during the period
to 12/6/95, and state that performed examinations and taken corrective measures descrequirements of the ASME Code, Section XI.	ribed in this Owner'	my knowledge and belief, the Owner s Report in accordance with the
By signing this certificate, neither the Inspector nor his employer examinations and corrective measures described in this Owner's	Report. Furthermor	re, neither the Inspector nor his
employer shall be liable in any manner for any personal injury or connected with this inspection.		a ross of any rand anothing from or
connected with this inspection. Commissions		California

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: Sa

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Chemical and Volume Control

Unit: 3

MO: 94101013000

Rspec: 151-94

P&ID: 40127BSO3

N-5: \$3-1219-3

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date: N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, No Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3" Gate Valve	Target Rock	74R-013-1	N/A	3LV0227C	1977	Repaired	Yes

7. Description of Work:

The gate valve in plant location 2LV0227C was disassembled for rework. This required the removal of the body-to-bonnet seal weld. The valve was cleaned and inspected with satisfactory results. The seal weld was reapplied in accordance with weld record WR3-94-431.

8. Tests Conducted: System Functional Pressure Test

Pressure: 95% RWST

(Appueable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 12/6/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

1/16/95 to 12/7/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions __

California

National Board, State, Province, and Endorsements

Sheet 1 of 1

3

94101633000

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

Unit: 2244 Walnut Grove Avenue MO:

Rosemead, California 91770 Rspec: 102-94

2. Plant: San Onofre Nuclear Generating Station

P&ID: 40160ASO3 F-7 N-5: \$3-1305-11 San Clemente, California 92674-0128

Type Code Symbol Stamp: N/A Work Performed by: Southern California Edison Company Authorization No: N/A N/A

Expiration Date: 4. Identification of System: Auxiliary Feedwater System

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/8" x .065" Tubing	Consolidated Power Supply	Heat 703114	N/A	RSO 1485-94, SA-213 TP316	N/A	Replacement	No

Description of Work:

The instrument sensing line, from root valve S31305MR801 and 3PI4734, had been stepped on inadvertently causing the tubing to become mis-shaped. The instrument tubing was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 10.8 psig

9. Remarks: None

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Millerille Supervising ASME Codes Engineer Signed:

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period $\frac{12}{1/94}$ to $\frac{7}{31/95}$, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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,

Inspector's Signature

Howard W. Haston Commissions 1574 California N#I

National Board, State, Province, and Endorsements

Date 8/1/95

As Required by the Provisions of the ASME Code Section XI

Owner:

Plant:

2

3

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit:

CWO:

94110723001

94110723000

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

DCP: Repair Spec: SG3/C8

P&ID:

GEN-105 Rev. 1 40141AS03 (F-5)

N-5:

S3-1201-3

Work Performed by: Bechtel Construction Company P.O. Box 450

Type Code Symbol Stamp:

N/A

Identification of System:

San Clemente, CA 92674-0128

Authorization No:

N/A

REACTOR COOLANT (1201)

Expiration Date:

N/A

- 5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: None
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
14°-8N-2A Manway Studs (5)	Combustion Engineering	HT #40545 Trace Code #15346		SA540 Gr. B24 R50 #3522-90	N/A	Replacement	No
1½*-8N-2B Manway Stud Nuts (5)		HT #11472 Trace Code #J-6765-1		SA193 GR B7 RSO #3440-85	N/A	Replacement	No

- Description of Work: Replacement studs (5) and nuts (5) were installed on the secondary manway cover on the east side of steam 7. generator \$3-1301-ME-088. A VT-1 inspection was performed on the replacement studs/nuts.
- Tests Conducted: System Leakage [X] System Functional [] System Inservice [] Hydrostatic [] Pneumatic [] Other []

Pressure: 2250 psia Temp: 542 °F (Primary Side) Pressure: 985 psia Temp: N/A (Secondary Side)

	(Applicable Manufacturer's Data Reports to be attached)
and the second of the second o	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the re	sport are correct and this replacement conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A	Expiration Date: N/A

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/9/5 to 1/3/9/5, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 862 California (National Board, State, Province, and Endorsements)

As Required by the Provisions of the ASME Code Section XI

Owner:

Plant:

2.

5

Note:

Southern California Edison Company

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit:

CWO:

94110726000

DCP:

SG3/C8

Repair Spec: P&ID:

GEN-105 REV. 1 40141AS03 (C-5)

N-5:

S3-1201-3

Work Performed by: Bechtel Construction Company 3.

P.O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

Expiration Date:

Identification of System:

REACTOR COOLANT (1201)

N/A

Applicable Construction Code: ASME Section III, Class 1 1971 Edition, S'71 Addenda, Code Cases: None (a)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
1*-8N-2A Handhole Stud (1)	Combustion Engineering	HT #85689 Trace Code #MS-315	N/A	SA193 GR. B7 RSO #2249-91	N/A	Replacement	No
1*-8N-2B Handhole Stud Nut (1)	Combustion Engineering	HT #11472 Trace Code #36765	N/A	SA193 Gr. B7 RSO #2249-91	N/A	Replacement	No

7 Description of Work: A replacement stud (1) and nut (1) were installed on the handhole plate of steam generator \$3-1301-ME-089. A VT-1 inspection was performed on the replacement stud/nut.

8. Tests Conducted: System Leakage [X] System Functional [] System Inservice [] Hydrostatic [] Pneumatic [] Other []

Pressure: 2250 psia Temp: 542°F (Primary Side) Pressure: 985 psia Temp: N/A (Secondary Side)

200	and the same	Adams.
D K	marks:	None

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Al Maila Owner or Owner's Designee, Title

Supervising ASME Codes Engineer Date: 10/17 1995

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/19/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Keport. 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.

Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3 MO: 94110845000

MO: 94110845000 DCP: 3-6683.04SP

Sheet 1 of 1

N-5:

2. Plant: San Onofre Nuclear Generating Station

San Clerente, California 92674-0128

Rspec: 078-95 P&ID: 40131ASO3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

S3-1201-10

4. Identification of System Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

6. Identification of Components Repaired or Replaced and Replacemen. Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical S. D. a. PSA 1/4 - 4	'acific Scientific	13935	N/A	S3RC073H031	1980	Permanently Deleted	No

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1201-073-AA (PSG-148) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

We certify that the statements made in the report are correct and this deletion conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed: Alther Let Supervising ASME Codes Engineer Date: 10/16

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 California Litteampson National Board, State, Province, and Endorsements Inspector's Signature

The second secon

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit: 3

 2244 Walnut Grove Avenue
 MO: 94110848000

 Rosemead, California 91770
 DCP: 3-6683.04SP

 Rspec: 079-95 R0

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95 R0 P&ID: 40131ASO3 N-5: S3-1201-10

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	37408	N/A	S3RC073H038	1986	Replaced	No
12" Rigid Strut	Lisega	S3-RC-073-H-038	N/A	RSO 1022-95, 3922RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. A VT-3 examination of the support assembly was performed after installation. The existing attachment hardware was reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1201-073-AA (PSG-148)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attach id)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

-Supervising ASME Codes Engineer Date: 10/16/95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/1/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Sheet 1 of 1

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit: 3 MO:

Rosemead, California 91770

94110849000 DCP: 3-6683.04SP

Rspec: 078-95

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40172ASO3 N-5: S3-1203-27

Southern California Edison Company Work Performed by:

2. Plant:

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4 Identification of System Component Cooling Water

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 3	Pacific Scientific	13346	N/A	S3CC275H008	1980	Permanently Deleted	No

7. Description of Work

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1203-275-AA (PSG-119) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Date: 10/16/95 Supervising ASME Codes Engineer

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/1/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Winompon

Commissions 1862

California

Inspector's Signature

National Board, State, Province, and Endorsements

Date Oct 17, 1995

As Required by the Provisions of the AS' & Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit: 3

MO: 94110850000 DCP: 3-6683.04SP

Rosemeau, Camorma 91770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95

P&ID: 40172ASO3 N-5: S3-1203-27

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Component Cooling Water

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 3-5	Pacific Scientific	13341	N/A	S3CC275H009	1980	Replaced	No
27 1/8" Rigid Strut	Lisega	S3-CC-275-H-009	N/A	RSO 1022-95, 3952RR1	N/A	Replacement	No

7. Description of Work:

2. Plant:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP and FIDCN M-9864. A VT-3 examination of the support assembly was performed after installation. The existing attachment hardware was reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1203-275-AA (PSG-119)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/1/95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/1/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company Unit: 2244 Walnut Grove Avenue MO:

2244 Walnut Grove Avenue MO: 94110851000 Rosemead, California 91770 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 078-95
P&ID: 40172ASO3
N-5: S3-1203-32

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Component Cooling Water Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 10-6	Pacific Scientific	2517	N/A	S3CC287H009	1977	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1203-287-AA (PSG-116) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF C	COLDITATION	
	COMPLIANCE	
We certify that the statements made in the report are correct and the of the ASME Code, Section XI.	deletion conforms to the rules repair or replacement	
Type Code Symbol Stamp: N/A		*
Certificate of Authorization No: N/A Expiration I		

	Control of the Contro	THE STREET OF THE PARTY OF THE
CERTIFICATE OF	INSPECTION	
I, the undersigned holding a valid commission issued by the Nat the State or Province of California, and employed by Arkwright Waltham, Massachusetts have inspected the components described to 10/17/95, and stat has performed examinations and taken corrective measures descrequirements of the ASME Code, Section XI.	of Mutual Insurance ribed in this Owner's that to the best of n	s Report during the period ny knowledge and belief, the Owner
By signing this certificate, neither the Inspector nor his employer examinations and corrective measures described in this Owner's employer shall be liable in any manner for any personal injury of connected with this inspection.	Report. Furthermor	re, neither the inspector nor his
Inspector's Signature Commissions	1862 National Board, St	California tate, Province, and Endorsements
Date Oct. 17, 1995		

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

 2244 Walnut Grove Avenue
 MO: 94110852000

 Rosemead, California 91770
 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

Rspec: 079-95
P&ID: 40172ASO3
N-5: S3-1203-32

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

3

4. Identification of System Component Cooling Water Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	4202	N/A	S3CC287H011	1978	Replaced	Yes
14 3/8" Rigid Strut	Lisega	S3-CC-287-H-011	N/A	RSO 1022-95, 3932RR1S	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. A VT-3 examination of the support assembly was performed after installation. The existing attachment hardware was reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1203-287-AA (PSG-116)

8. Tests Conducted: N/A

Pres: N/A

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/16/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/1/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By rigning this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the ey aminations and corrective measures described in this Owner's 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.

Mampson Commissions 1862 Inspector's Signature

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company
 Unit:

 2244 Walnut Grove Avenue
 MO: 94110871000

 Rosemead, California 91770
 DCP: 3-6683.04SP

San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

Rspec: 078-95
P&ID: 40113BSO3
N-5: S3-1204-10

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

3

4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	15521	N/A	S3SI077H002	1980	Permanently Deleted	No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	3897	N/A	S3SI077H006	1977	Permanently Deleted	Yes
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	36922	N/A	S3SI077H008	1985	Permanently Deleted	No

7. Description of Work:

2. Plant:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1204-077-2A (PSG-354) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Owner of Owner's Designee, Title

Supervising ASME Codes Engineer

Date: 10/20/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/5/95 to 11/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862

Inspector's Signature

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company
 Unit:

Southern California Edison Company Unit: 3
2244 Walnut Grove Avenue MO: 94110878000
Rosement California, 91770

Rosemead, California 91770 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95
P&ID: 40113BSO3
N-5: S3-1294-10

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	15365	N/A	S3SI077H012	1980	Replaced	Yes
25 3/8" Rigid Strut	Lisega	S3-SI-077-H-012	N/A	RSO 1022-95, 3°22RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. A VT-3 examination of the support assembly was performed after installation. The existing brackets were reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1204-077-2A (PSG-354)

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Signed:

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

6/5/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct 23 1995

As Required by the Provisions of the ASME Code SectionXI

Sheet 1 of 1 1. Owner: Unit: 3 Southern California Edison Company 2244 Walnut Grove Avenue MO: 94110881000 Rosemead, California 91770 DCP: 3-6683.04SP Rspec: 078-95 San Onofre Nuclear Generating Station 2. Plant: P&ID: 40113BSO3 San Clemente, California 92674-0128 S3-1204-10 N-5:

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Traverse Pipe Stop		******	N/A	S3SI077H010	N/A	Permanently Deleted	No

7. Description of Work:

The traverse pipe stop was no longer required per the latest pipe stress calculation M-1204-077-2A (PSG-354) and was permanently removed in accordance with DCP 3-6683.04SP.

8. Tests Conducted: N/A

Pres: N/A

9. Remarks None.

(Apparable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/23/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862

California

Inspector's Signature

National Board, State, Province, and Endorsements

Date Oct 23 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

2. Plant:

4. Identification of System: Safety Injection and Shutdown Cooling

Sheet 1 of 1 Unit:

3 MO: 94111278001

Rspec: EREF-0229

P&ID: 40122BSO3 C-7

N-5: N/A

Type Code Symbol Stamp: N/A

Authorization No:

N/A N/A

Expiration Date:

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" x 1" Nozzle Type Relief Valve	Crosby Valve at	N60533-00-0022	N/A	3PSV9317	1993	Replaced	Yes
3/4" x 1" Nozzle Type Relief Valve	Crosby Valve & Gage	N60533-00-0023	N/A	RSO 0832-94	1994	Replacement	Yes

7. Description of Work:

The relief valve was replaced due to leakage. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 30 psig

FORM NIS-2 (back)

9. Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: allegelle Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 6/26/95

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 12/29/94 to 6/27/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Sheet 1 of 1 Southern California Edison Company 1. Owner: Unit: 2244 Walnut Grove Avenue MO: 94111641000 Rosemead, California 91770 DCP: 3-6683.04SP Rspec: 078-95 2. Plant: San Onofre Nuclear Generating Station P&ID: 40123ASO3 San Clemente, California 92674-0128 N-5: S3-1208-3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No: N/A Expiration Date: N/A

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	36776	N/A	S3VC003H022	1985	Permanently Deleted	No

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1208-003-AA (PSG-142) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/16/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/6/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct. 17, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3 MO: 94111

Sheet I of I

MO: 94111642000 DCP: 3-6683.04SP

2. Plant: Sa

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95 P&ID: 40123ASO3 N-5: S3-1208-3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	11722	N/A	S3VC003H019E	1980	Replaced	No
29" Rigid Strut	Lisega	S3-VC-003-H-019	N/A	RSO 1022-95, 3932RR1	N/A	Replacement	No
Mechanical Snubber PSA 1-4	Pacific Scientific	11708	N/A	S3VC003H019W	1980	Replaced	No
23" Rigid Strut	Lisega	S3-VC-003-H-019	N/A	RSO 4022-95, 3932RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP. A VT-3 examination of the support assembly was performed after installation. The existing attachment hardware was reused. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1208-003-AA (PSG-142)

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Owner or Owner's Designee, Title Signed:

Supervising ASME Codes Engineer

Date: 19/19/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

to 10/19/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct. 19, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

MO: 94111648000

Rosemead, California 91770

DCP: 3-6683.04SP

Sheet 1 of 1

Unit:

San Onofre Nuclear Generating Station 2. Plant: San Clemente, California 92674-0128

P&ID: 40124BSO3 N-5: S3-1208-5

Rspec: 078-95

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	33889	N/A	S3VC008H022	1984	Permanently Deleted	Yes
Mechanical Snubber PSA 1/4	Pacific Scientific	38643	N/A	S3VC008H023	1991	Permanently Deleted	No

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1208-008-3A (PSG-127) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left inplace. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

	the section	**
9.	Remarks	None.

	(Applicable Manufacturer's Data Repor	rts to be attached)		

	CERTIFICATE OF CO	MPLIANCE		
We certify that the statements made in the of the ASME Code, Section XI.	ne report are correct and this	deletion confor		
Type Code Symbol Stamp: N/A				,
Signed: Authorization No: N/A Signed: Owner or Owner's Designee, Ti	Expiration Da Supervising ASME Codes E		e: 10/16/95	a.com/do
	CERTIFICATE OF INS	PECTION		
has performed examinations and taken of requirements of the ASME Code, Section	ted the components described and state the corrective measures described on XI.	d in this Owner's last to the best of my	Report during the period wknowledge and belief, the Report in accordance with	e Owner the
By signing this certificate, neither the In examinations and corrective measures of employer shall be liable in any manner to connected with this inspection.	escribed in this Owner's Ker	port. Furthermore	, neither the hispector nor .	1112
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			te, Province, and Endorsen	

Date Oct. 17, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

2244 Walnut Grove Avenue MO: 94111651000
Rosemead, California 91770 DCP: 3-6683.04SP

San Opofre Nuclear Generating Station Respect 078-95

2. Plant: San Onofre Nuclear Generating Station P&ID: 40124BSO3 San Clemente, California 92674-0128 N-5: S3-1208-5

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

3

4. Identification of System Chemical and Volume Control Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	37496	N/A	S3VC058H020	1986	Permanently Deleted	No

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1208-008-3A (PSG-127) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

NOTE

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Owner or Owner's Designee, Title

Date: 10/16/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/6/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct 17, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

Sheet | of |

MO: 94111653000 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Rspec: 078-95 P&ID: 40124BSO3

N-5: S3-1208-5

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Chemical and Volume Control

Authorization No: Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	33870	N/A	S3VC059H007	1984	Permanently Deleted	Yes
Mechanical Snubber PSA 1/4	Pacific Scientific	36694	N/A	S3VC059H008	1984	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1208-008-3A (PSG-127) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer

Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/8/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

athompson

Commissions 1862 California

Inspector's Signature

National Board, State, Province, and Endorsements

Date Oct. 17, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit: 3 MO:

Sheet 1 of 1

94111658000

Rosemead, California 91770

DCP: 3-6683.04SP Rspec: 078-95

San Onofre Nuclear Generating Station 2. Plant: San Clemente, California 92674-0128

P&ID: 40113BSO3 N-5: S3-1219-3

Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Refueling Water Tanks

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	2630	N/A	S3FS057H005B	1978	Permanently Deleted	Yes
Mechanical Snubber PSA 1/2	Pacific Scientific	2632	N/A	S3FS057H005T	1978	Permanently Deleted	Yes
Mechanical Snubber PSA 1/2	Pacific Scientific	7445	N/A	S3FS057H013	1979	Permanently Deleted	No

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1218-037-3A (PSG-163) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left inplace. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/6/95 to 10/17/95 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Winompson Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date Oct. 17, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Sheet 1 of 1 Unit: MO:

94111659000

Rosemead, California 91770

DCP: 3-6683.04SP Rspec: 079-95 R1

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40124BSO3 S3-1218-2 N-5:

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2 - 2 1/2	Pacific Scientific	2616	N/A	S3BM037H002	1978	Replaced	Yes
10" Rigid Strut	Lisega	S3-BM-037-H-002	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. The existing brackets were reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1218-031-3A (PSG-242)

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Child Supervising ASME Codes Engineer Date: 10/27/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/31/95, and state that to the best of my knowledge and belief, the Owner 06/20/95 has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions / 862
National B

National Board, State, Province, and Endorsements

Date O. A. 31, 1995

Sheet 1 of 1

3

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Southern California Edison Company Unit: 2244 Walnut Grove Avenue MO:

Rosemead, California 91770 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95
P&ID: 40112BSO3
N-5: S3-1219-3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

94111665000

4. Identification of System Refueling Water Tanks
Authorization No: N/A
Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2 - 2 1/2	Pacific Scientific	1302	N/A	S3FS057H011	1977	Replaced	Yes
10" Rigid Strut	Lisega	S3-FS-057-H-011	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. The existing rear brackets were reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1218-037-3A (PSG-163)

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMP. JANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer

Owner or Owner's Designee, Title

Date: 10/19

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, and employed by Arkwright Mutual Insurance Company of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/19/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 82 California
National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Sheet 1 of 3 Unit: Southern California Edison Company Owner:

CWO 94120566000, 94121228000, 2244 Walnut Grove Avenue, Rosemead, CA 91770

94091367000, 94120583000,

94120586000

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128 Work Performed by: Bechtel Construction Company

F-9554M1 FCN:

Repair Spec:

007-95 Rev. 0, 008-95 Rev. 0

P&ID:

40114BS03

N-5:

\$3-1206-1

San Clemente, CA 92674-0128

P.O. Box 450

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

Identification of System:

Pressure: 610 psig Temp: N/A

Note:

Plant:

Containment Spray (1206)

Expiration Date:

N/A

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (a) 5. (Pipe/Tube/Fittings)

ASME Section III, Class 2, 1983 Editon, S'85 Addenda, Code Cases: None (Valves)

- Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)
- Identification of Components Repaired or Replaced and Replacement Components: 6.

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
	D	WG. S3-1206-NIL-00	6 SHT. 1 REV	. 0 FCN F-9555M			
14" X .065 Wall SS SMLS Tubing	Sandvik Steel	Ht. =432578	N/A	Item #3 SA213T316 RSO #1389-94	N/A	Replacement	No
3/4" SS BW Connector	Parker-Hannifin	HT Code UAMP	N/A	Item #4 SA479TP316 RSO #1470-91	N/A	Replacement	No
3/4" x 1/4" SS Tube End Reducer	Parker-Hannifin	HT Code CAZN	N/A	Item #5 SA479GR316 RSO #1469-91	N/A	Replacement	No
1/4" SS Tube Union	Parker-Hannifin	HT Code CASJ	N/A	Item #18 SA479GR316 RSO #1243-90	N/A	Replacement	No
%" SS 90° Union Elbow	Parker-Hannifin	HT Code UAOA	N/A	ltem #19 SA182GR316 RSO #2439-91	N/A	Replacement	No
'4" SS Tube To Pipe Adapter	Parker-Hannifin	HT Code CEHW	N/A	Item #21 SA479GR316 RSO #1511-91	N/A	Replacement	No
½" 2500# SS Globe Valve	Anderson- Greenwood	S/N N84167	N/A	ltem #17 S31206MR080 RSO #1182-94	1994	Replacement	Yes

Description of Work: SPR 890634 identified a problem with contaminated water running off the top of S3-1206-ME-003 (vents S3 1206-MU-7. 019 and MU-021) and S3-1206-ME-004 (vents S3-1206-MU-022 and MU-023). FCN F-9554M extends the vent lines by adding new lines S3-1206-ML-006, 007, 008 and 009 and new valves \$3-1206-MR-080, MR-081, MR-082 and MR-083.

CWO 94120566 - Field verification of materials and shop pre-fabrication , 3ME003 & 3ME004

CWO 94120586 - Field installation of tubing, supports, and mounting plate (No system tie-in), 3ME003

CWO 94091367 - Installation weld of pipe to tube adapter fitting, system tie-in of tubing, and VT-2, ME003

CWO 94120583 - Field installation of tubing, supports, and mounting plate (no system tie-in), 3ME004 CWO 94121228 - Installation weld of pipe to tube adapter fitting, system tie-in of tubing, and VT-2. 3ME004

Tests Conducted: System Leakage [] System Functional [] System Inservice [] Hydrostatic [X] Pneumatic [] Other []

Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA.

FORM NIS-2 (back)

9	Remarks:	None
2.	PURSUITABLE PURSU	2 7 529 650

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

alle le supervising ASME Codes Engineer Date: 12/12 1995 Owner or Owner's

Designee, Title

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

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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property demage or a loss of any kind arising from or connected with this inspection

Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date [Dec. 12, 1995]

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station San Clemente, CA 92674-0128

Work Performed by: Southern California Edison Company

(a) Applicable Construction Code:

Identification of System:

Plant:

Containment Spray (1206)

Sheet 2 of 3

Unit:

CWO: 94120566000, 94121228000,

94091367000, 94120583000,

94120586000

FCN: F-9554M

007-95 Rev. 0, 008-95 Rev. 0 Repair Spec:

P&ID: 40114BS03 N-5: S3-1206-1

Type Code Symbol Stamp: Authorization No:

N/A N/A

Expiration Date:

ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(Pipe/Tube/Fittings)

ASME Section III, Class 2 1983 Edition, S'85 Addenda, Code Cases: None (Valves)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
	D	WG. S3-1206-ML-00	7 SHT. 1 REV	. 0 FCN F-9556M			
14" X .065 Wall SS SMLS Tubing	Sandvik Steel	HT #432578	N/A	Item #3 SA213T316 RSO #1389-94	N/A	Replacement	No
3/4" SS BW Connector	Parker-Hannifin	HT Code UAMP	N/A	Item #4 SA479GR316 RSO #1470-91	N/A	Replacement	No
3/4" X 1/4" SS Tube End Reducer	Parker-Hannifin	HT Code HBUY	N/A	Item #5 SA479GR316 RSO #1436-94	N/A	Replacement	No
14" SS Tube Union	Parker-Hannifin	HT Code CASJ	N/A	Item #9 SA479GR316 RSO # 1243-90	N/A	Replacement	No
1/4" SS Tube Union 90° Elbow	Parker-Hannifin	HT Code UAOA	N/A	Item #10 SA182GR316 RSO #2439-91	N/A	Replacement	No
14" Tube to 14" Pipe SS Adaptor	Parker-Hannifin	HT Code CBHW	N/A	Item #11 SA479GR316 RSO #1511-91	N/A	Replacement	No
1/4" 2500# SS Globe Valve	Anderson- Greenwood	S/N N84168	N/A	ltem #17 S31206MR081 RSO #1182-94	1994	Replacement	Yes
	D	WG. 83-1206-ML-00	8 SHT. 1 REV.	0 FCN F-9557M			***************************************
4" X .065 Wall SS SMLS Tubing	Sandvik Steel	HT #7013114	N/A	Item #3 SA213TP316 RSO #0251-95	N/A	Replacement	No
3/4" SS BW Connector	Parker-Hamnifin	HT Code UAMP	N/A	Item #4 SA479GR316 RSO #1470-91	N/A	Ren'acement	No
3/4" X 1/5" SS Tube End Reducer	Parker-Hannifin	HT Code CAZN	N/A	Item #5 SA479GR316 RSO #1469-91	N/A	Replacement	No

Owner/Designee Wory Date: 12/12/95

ANII: Of Date: 12/12/95

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station

Work Performed by: Southern California Edison Company

San Clemente, CA 92674-0128

Unit:

CWO:

Sheet 3 of 3

94120566000, 94121228000,

94091367000, 94120583000,

94120586000

FCN: F-9554M

Repair Spec:

007-95 Rev. 0, 008-95 Rev. 0

P&ID:

40114BS03

N-5:

S3-1206-1

Type Code Symbol Stamp: Authorization No:

N/A N/A

Expiration Date:

Identification of System:

Plant:

Containment Spray (1206)

(a) Applicable Construction Code:

ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(Pipe/Tube/Fittings)

ASME Section III, Class 2 1983 Edition, S'85 Addenda, Code Cases: None (Valves)

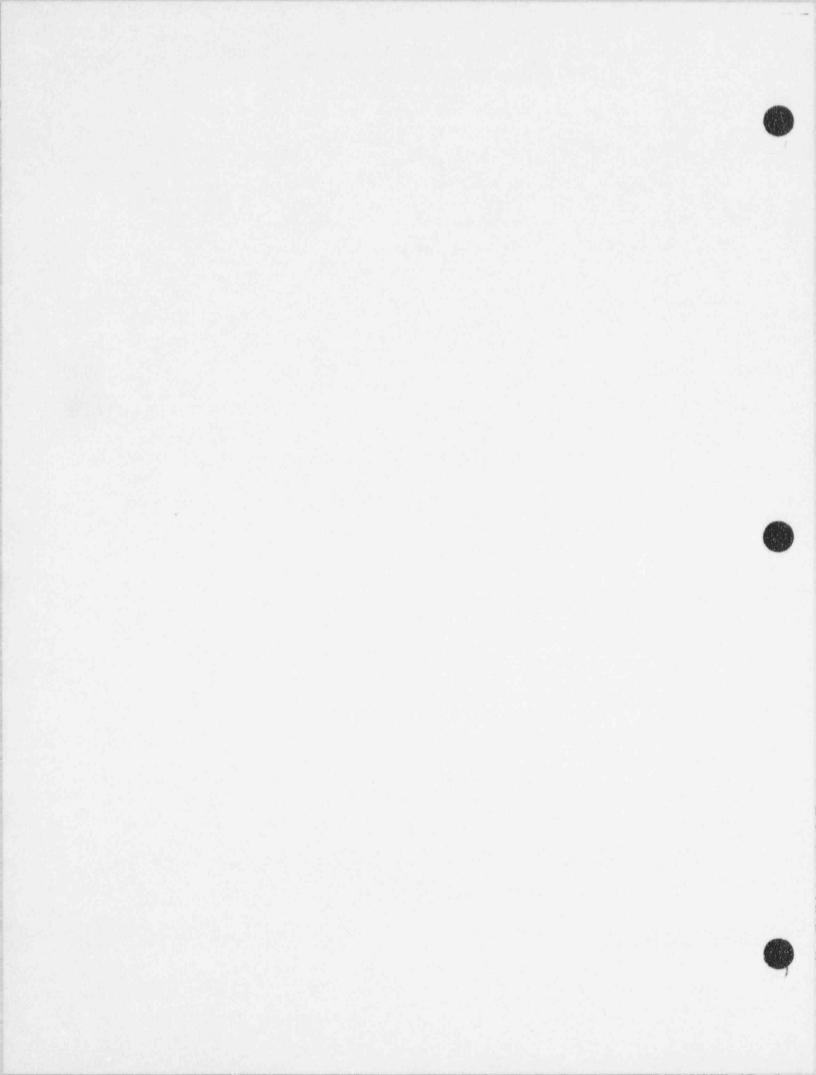
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
	D	WG. S3-1206-ML-00	8 SIIT. 1 REV Continued)	. 0 FCN F-9557M			
14" SS Tube Union	Parker-Hannifin	HT Code CASJ	N/A	Item #18 SA479GR316 RSO #1243-90	N/A	Replacement	No
¼" SS Tube To Pipe Adapter	Parker-Hannifin	HT Code CBHW	N/A	Item #21 SA479GR316 RSO #1511-91	N/A	Replacement	No
4 " Union Elbow, 90°	Parker-Hannifin	HT. Code UAOA	N/A	Item #19 SA182GR316 RSO #2439-91	N/A	Replacement	No
4" 2500# SS Globe Valve	Anderson- Greenwood	S/N N84169	N/A	ltem #17 S31206MR082 RSO #1182-94	N/A	Replacement	Yes
	D	WG. S3-1206-ML-00	9 SHT. 1 REV	. 0 FCN F-9558M	merch contract commonth		4
'4" X .065 Wall SS SMLS Tubing	Sandvik Steel	HT #703114	N/A	ltem #3 SA213T316 RSO #0251-95	N/A	Replacement	No
3/4" SS BW Connector	Parker-Hannifin	HT Code HBZP	N/A	Item #4 SA479GR316 RSO #0078-95	N/A	Replacement	No
3/4" X ½" SS Tube End Reducer	Parker-Hannifin	HT Code HCBK	N/A	ltem #5 SA479GR316 RSO #0078-95	N/A	Replacement	No
%" SS Tube Union	Parker-Hannifin	HT Code CASJ	N/A	Item #9 SA479GR316 RSO #1243-90	N/A	Replacement	- No
4" SS Tube Union 90° Elbow	Parker-Hannifin	HT Code UAOA	N/A	Item #10 SA182GR316 RSO #2439-91	N/A	Replacement	No
14" SS Tube to Pipe Adapter	Parker-Hannifin	HT Code CBHW	N/A	Item #11 SA479GR316 RSO #1511-91	N/A	Replacement	No
1/4" 2500# SS Globe Valve	Anderson- Greenwood	SN N84166	N/A	liem #8 \$31206MR083 RSO #1182-94	1994	Replacement	Yes

Owner/Designee April Date 12/12/95

ANII: Of Date 12/12/95



As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company | Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

4. Identification of System Reactor Coolant

Unit

94121048000,95080871000 MO:

FCN: F1149M

Rspec: GEN-106 R1, 192-95 P&ID: 40130BSO3, 40111ASO3

S3-1201-3

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, W'71 Addenda (Pump), 1980 Edition, S'82 Addenda (Seal Cartridge), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes No
Reactor Coolant Pump	Byron Jackson	701-N-0564	N/A	S31201MP002	1978	***	Yes
Mechanical Seal Cartridge	Bingham Willamette	1714880-5	1165	SU23-CART-15	1986	Replaced	Yes
Mechanical Seal Cartridge	Bingham Willamette	1714880-2	1171	SO23-CART-21, Rebuild MO 95021355	1986	Replacement	
2"-8UN x15 1/2" Studs (4)	Southern Bolt	Ht Code R-1423	N/A	RSO 1759-88, SA540 Gr. B23, Class 4	N/A	Replacement	No
2"-8UN Nuts (4)	Nova Machine Products	Ht Code VH9	N/A	RSO 1854-91, SA194 Gr. 7	N/A	Replacement	No

7. Description of Work:

The reactor coolant pump mechanical seal cartridge was replaced with a spare which had been rebuilt in accordance with MO 95021355, and FCNs F11049M and F11050M. A VT-1 examination was performed on the housing assembly capscrews with satisfactory results. The VT-1 examination of the heat exchanger-to-driver mount bolting warranted replacement of the studs and nuts in locations 2, 3, 4 and 13 as documented in NCR 95080103. This was performed separately using MO 95080871. The removed seal cartridge was placed into the rebuild program.

8 Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

Temp: 435 F

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/8/95

Owner or Owner's Designee, Title

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Wassel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/27/95 to 12/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

National Bo National Board, State, Province, and Endorsements

Date Dec. 8, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2. Plant:

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

3. Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

4. Identification of System Chemical and Volume Control

Sheet 1 of 1

Unit:

CWO: 94121089000 94121355000

DCP: 3-6988.00-0

Rspec: 023-95

P&ID: 40124ASO3 B-5

N-5: S3-1208-10

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda (Piping & Installation), 1974 Edition, S'75 Addenda (Valve), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
4" x 3/4" 3000# SS Sockolet	Consolidated Power Supply	Ht Code 151WNA	N/A	RSO 1071-95, SA182 F316	N/A	Replacement	No
3/4" Sch 80 SS Pipe	Consolidated Power Supply	Heat 461457	N/A	RSO 3287-93, SA376 TP316	N/A	Replacement	No
3/4" 600# SW Gate Valve	Henry Vogt	7-216845	N/A	S31208MR671, RSO 2048-93	1993	Replacement	Yes

Description of Work:

DCP 3-6988.00SN Rev 0 installs vents and drains to enable IST of components not testable under the existing plant configuration. CWO 94121355 verifies and assembles the replacement items and CWO 94121089 installs and tests a vent (S31208MR671) on line S3-1208-ML-007.

Reference: S3-1208-ML-007 Sheet 2, Rev. 5 IDCN S-1

8. Tests Conducted: System Inservice Pressure Test

Pres: 23 psig

FORM NIS-2 (back)

0	Damente	A1
9.	Remarks	None.

(Appecable Manufacturers Data Reports to be attached)

CERTIFICA	ATE	OF	CO	MPL	LANCE
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We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer
Owner or Owner's Designee, Title

Date: 10/19/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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 kir. I arising from or connected with this inspection.

Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 20, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit:

CWO: 94121133000

DCP: 3-6988.00-0 Rspec: 024-95 R1

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: N/A N-5: S3-1206-6

3. Work Performed by:

Bechtel Construction Company

P. O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp: N/A Authorization No: N/A

N/A

4. Identification of System Containment Spray

Expiration Date:

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber	Pacific Scientific	15525	N/A	S3CS017H002	1980	Permanently Deleted	Yes

7. Description of Work:

DCP 3-6988-00SN Rev. 0 installs vents and drains to enable Inservice Testing (IST) of components not testable under existing plant configuration. This includes implementation of the Snubber Reduction Program (SRP) for piping that requires re-analysis of pipe supports as a result of the modification. Snubber S3CS017H002 was removed and permanently deleted.

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

deletion conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer
Owner or Owner's Designee, Title

Date: 11/2/95

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, and employed by Arkwright Mutual Insurance Company of Waltham. Massachusetts have inspected the components described in this Owner's Report during the period of to 112/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MW2, 1995

As Required by the Provisions of the ASME Code SectionXI

1 Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3 CWO: 94121135000

CWO: 94121135000 DCP: 3-6988.00-0 Rspec: 024-95 R1

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: N/A

Sheet L of L

N-5: S3-1204-34

3. Work Performed by: Bechtel Construction Company

P. O Box 450

Sea Clemente, CA 92674-0128

Type Code Symbol Stamp: N/A Authorization No: N/A

Expiration Date:

N/A

4. Identification of System Containment Spray

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber	Pacific Scientific	3545	N/A	S3CS019H009	1978	Replaced	Yes
9 1/8" Rigid Strut	Lisega	S3-CS-019-H-010	N/A	RSO 0674-95, 3922RR1S	N/A	Replacement	No
Mechanical Snubber	Pacific Scientific	20204	N/A	S3CS019H010	1984	Permanently Deleted	Yes
Mechanical Snubber	Pacific Scientific	3356	N/A	S3CS019H012	1978	Replaced	Yes
9 7/8" Rigid Strut	Lisega	S3-CS-019-H-012	N/A	RSO 0674-95, 3922RR1S	N/A	Replacement	No
Rear Bracket	Lisega	S3-CS-019-H-012	N/A	RSO 0674-95, 3522RR1S	N/A	Replacement	No

7. Description of Work:

DCP 3-6988-00SN Rev. 0 installs vents and drains to enable Inservice Testing (IST) of components not testable under existing plant configuration. This includes implementation of the Snubber Reduction Program (SRP) for piping that requires re-analysis of pipe supports as a result of the modification. Snubber S3CS019H010 was removed and permanently deleted. Snubbers S3CS019H009 and S3CS019H012 were removed and replaced with rigid struts. The rear bracket for S3CS019H012 was replaced.

Reference: Drawings S3-CS-019-H-009 Rev. 0, IDCN S-1, S3-CS-019-H-012, Rev. 0, IDCN S-1

8. Tests Conducted: N/A

Pres: N/A

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 11/2/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 05/16/95 to 11/2/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Kangson Commissions 1862

Inspector's Signature

National Board, State, Province, and Endorsements

Date MAN 2 199.

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company 2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

Unit:

Sheet 1 of 1

CWO:

94121137000

DCP:

3-6988.00SN Rev. 0

Repair Spec:

025-95 Rev. 0 N/A

P&ID:

N-5:

S3-1201-4

Type Code Symbol Stamp:

N/A

N/A

San Clemente, CA 92674-0128

Authorization No: Expiration Date:

N/A

Identification of System:

Plant:

3.

Reactor Coolant (1201)

P.O. Box 450

5. Applicable Construction Code: ASME Section III, Class NF-2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Spring Can	Grinnell	S3-RC-027-H-003	N/A	\$3-RC-027-H-003	N/A	Replaced	No
Snubber	Pacific Scientific	S/N 3557	N/A	S3-RC-027-H-004	1978	Replaced	Yes
Snubber	Pacific Scientific	S/N 2615	N/A	S3-RC-027-H-005	1978	Replaced	Yes
		Dwg: S3-RC-027-	H-004 Rev. 0	IDCN S-1			
Rigid Strut	Lisega	53-RC-027-H-004 Part # 3922RRIS	N/A	Item #61 RSO#0674-95	N/A	Replacement	No

7. Description of Work: DCP 3-6988.005N Rev. 0 installs vents and drains to enable In-Service Testing (IST) of components not testable under the existing plant configuration. This includes implementation of the Snubber Reduction Program (SRP) for piping that requires reanalysis of pipe supports as the result of the modification. Spring can S3-RC-027-H-003 and snubber S3-RC-027-H-005 were removed and deleted. Snubber S3-RC-027-H-004 was removed and replaced with a rigid strut. Supports (non-ASME) S3-RC-027-H-006 and S3-RC-027-H-007 were modified per the drawings.

Reference: Stress Calculation M-1201-027-AA

Tests Conducted: None

Note:

FORM NIS-2 (back)

CERTIFICATE OF COMPILANCE We certify that the statements made in the report are correct and this replacement, conforms to the rules of the ASME Code, Section Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed:		(Applicable Manufacturer's Data Reports to be attached)
CERTIFICATE OF INSPECTION I, the undersigned holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of California, and employed by Arksright Mutual Insurance Company of Waltham, Massachusetts have inspected to components described in this Owner's Report during the period Hill of the National Board of Boller and Pressure Vessel Inspectors and the State or Province of California, and employed by Arksright Mutual Insurance Company of Waltham, Massachusetts have inspected to components described in this Owner's Report during the period Hill of the Company of Waltham of Waltham of the State of the State of any knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report or the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination and corrective measures described in this Owner's 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. Commissions Scale Report California (National Board, State, Province, and Endorsements)	2.3	CERTIFICATE OF COMPLIANCE
Signed: Supervising ASMF Codes Engineer Date: 1014, 1935 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham Mascachusetts have inspected a components described in this Owner's Report during the period HIM 55 to 1015/95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period All 95 to 1010/95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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. Commissions Board, State, Province, and Endorsements (National Board, State, Province, and Endorsements)	We certify that the statements made in	the report are correct and this replacement conforms to the rules of the ASME Code, Section >
Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachnsetts have inspected to components described in this Owner's Report during the period Est of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination and corrective measures described in this Owner's 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. Commissions Commissions Commissions Commissions Commissions Commissions Commissions Commissions California (National Board, State, Province, and Endorsements)	Type Code Symbol Stamp: N/A	
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, and employed byArkwright Mutual Insurance Company_ of Waltham, Massachnsetts have inspected to components described in this Owner's Report during the periodHIJ_95 toLO_LS_95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Rep in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector por his employer makes any warranty, expressed or implied, concerning the examination and corrective measures described in this Owner's Report. Furthermore, neither the Inspector por 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. Commissions	Certificate of Authorization No: N/	A Expiration Date: N/A:
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, and employed byArkwright Mutual Insurance Company_ of Waltham, Massachnsetts have inspected a components described in this Owner's Report during the periodHII_95 toL0_25_95_, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Rep 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 examination and corrective measures described in this Owner's 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. Commissions	Signed al Meille	Supervising ASME Codes Engineer Date: 10/24, 19.95
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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected a components described in this Owner's Report during the period Hold to 10,05,95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Rep 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 examinational corrective measures described in this Owner's 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. Commissions Board, State, Province, and Endorsements)	Owner or Owner's Designee, Title	
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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected a components described in this Owner's Report during the period Hold to 10,05/95, and state that to best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Rep 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 examinational and corrective measures described in this Owner's 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. Commissions Board, State, Province, and Endorsements)	1	
and corrective measures described in this Owner's 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. Commissions Commissions (National Board, State, Province, and Endorsements)	Province of California, and employed components described in this Owner's	by Arkwright Mutual Insurance Company of Waltham, Massarhusetts have inspected it Report during the period 4/1/95 to 10/25/95, and state that to Owner has performed examinations and taken corrective measures described in this Owner's Rep.
Inspector's Signature (National Board, State, Province, and Endorsements)		The ASME Code, Section XI.
	in accordance with the requirements of By signing this certificate, neither the and corrective measures described in t	Inspector nor his employer makes any warranty, expressed or implied, concerning the examination this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any
	in accordance with the requirements of By signing this certificate, neither the and corrective measures described in a manner for any personal injury or pro	Inspector nor his employer makes any warranty, expressed or implied, concerning the examination this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any perty damage or a loss of any kind arising from or connected with this inspection. Commissions 1862 California

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

P.O. Box 450

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

Sheet 1 of 1

Unit: CWO:

94121143000

DCP: Repair Spec:

3-6988.00SN 026-95 REV. 0

P&ID:

NIA

N-5:

\$3-1204-12

Type Code Symbol Stamp:

NA

Authorization No: Expiration Date:

N/A NA

Identification of System:

Plant:

SAFETY INJECTION (1204)

Applicable Construction Code: ASME Section III, Class NF-2 1974 Edition, S'74 Addenda, Code Cases: None (a)

San Clemente, CA 92674-0128

- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Snubber	Pacific Scientific	4042	N/A	S3-S1-050-H-003	1978	Replaced	Yes
		DWG. S3-	SI-050-H-017 F	Rev. 0			
P-89-2A 3/4* Pipe Strap	ITT Grinnell	A	N/A	Item #67 FGD-P-89-2A P/N CL144N RSO #0653-87	N/A	Replacement	No

- Description of Work: DCP 3-6988.00SN Rev. 0 installs vents and drains to enable In-Service Testing (IST) of components not testable under existing plant configuration. This includes implementation of the Snubber Reduction Program (SRP) for piping that requires re-analysis of pipe supports as a result of the modification. Snubber S3-SI-050-H-003 was removed and deleted. A pipe guide was installed by welding per DWG. S3-SI-050-H-017 Rev. O.
- Tests Conducted: None

Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: (1/(. 1995

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 0.5/09/9.5 to 11/02/9.5, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1862

(National Board, State, Province, and Endorsements)

Date Mel 2 1995

As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company 1. Owner:

2.

3.

5.

Plant:

(a)

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Sheet 1 of 1

Unit:

CWO: 94121304000, 94111340000

DCP: Repair Spec:

3-6988.00SN Rev. 0 019-95 Rev. 0

P&ID:

40114DS03

N5:

S3-1204-34

Type Code Symbol Stamp:

N/A N/A

Authorization No: Expiration Date:

N/A

4. Identification of System:

Safety Injection (1204)

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (Piping)

ASME Section III Class 2, 1983 Edition, S'83 Addenda, Code Cases: None (Valve)

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
		\$3-1204-ML-048	Sht. 1 Rev. 6	1 DCN S-1			
4" x %" 3000# SS Sockolet	WFI Inc.	Ht. #775VNA	N/A	Item #4 SA182 F316 RSO #1396-94	N/A	Replacement	No
%" Sch. 80 SS Pipe	Consolidated Power Supply	Ht. #461457	N/A	Item #5 SA-376 Gr. 316 RSO #3287-93	N/A	Replacement	No
%" SS SW Gate Valve	Anchor Darling	S/N E3265-17-3	N/A	Item #6 \$3-1204-MR-446 RSO #0543-90	1990	Replacement	Yes

7. Description of Work:

DCP 3-6988.00SN Rev. 0 installs vents and drains to enable In-Service Testing (IST) of components not testable under existing plant configuration. The vent valve assembly S3-1204-MR-445 was fabricated on CWO #94121304. It was installed on line S3-1204-ML-048-4"-C-GEO (between 3HV-9347 and 3HV-9348) and tested in accordance with CWO #94111340.

8. Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other [] Pressure: 211 psig Temp: N/A °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA.

FORM NIS-2 (back)

9.		The replacement valve was certified to a higher code class, ASME III-1, as allowed by ASME III, Paragraph NCA 2134.
	-	(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A Expiration Date: N/A

Signed: Alkleidel Supervising ASME Codes Engineer Date: 9/6 , 1995

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Narrand, Massachusetts have inspected the components described in this Owner's Report during the period 4/4/95 9/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions _ 1862

(National Board, State, Province, and Endorsements)

94121086

94121348000, 94121086000

3-6988.00SN REV. 0

019-95 REV. 0

40114DS03 S3-1204-34

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

Owner:

oner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Plant:

2.

3

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

Expiration Date:

Sheet 1 of 1 Unit:

Repair Spec:

CWO:

DCP:

P&ID:

N-5:

N/A

4. Identification of System:

Safety Injection (1204)

5. (a) Applicable Construction C

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (Piping)
ASME Section I/1, Class 2, 1983 Edition, S'83 Addenda, Code Cases: None (Valve)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
		S3-1204-MIL-052	Sht. 1, Rev. 6	, IDCN S-1			
3/4" 3000# SS Sockolet	WFI Int'l Inc.	HT #775VNA	N/A	Item #9 \$A-182 Gr. F316 RSO #1396-94	N/A	Replacement	No
3/4" Sch 80S SS Pipe	Consolidated Power Supply	HT #461457	N/A	Item #10 SA-376 Gr. TP316 RSO #3287-93	N/A	Replacement	No
3/4" SS Gate Valve	Anchor Darling	S/N E-3265-17-5	N/A	Item #11 S3-1204-MR-445 RSO #0543-90	1990	Replacement	Yes

7. Description of Work:

DCP 3-6988.00SN Rev. 0 installs vents and drains to enable In-Service Testing (IST) of components not testable under the existing plant configuration. The vent valve assembly for \$3-1204-MR-445 was fabricated on CWO 94121348000. It was installed on line \$3-1204-ML-052-4*-C-GED (between 3HV9306 and 3HV9307) and tested in accordance with CWO 94121086000.

8. Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other [] Pressure: 273 psig Temp: N/A

Note

Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA.

94121086

FORM NIS-2 (back)

1,44	licable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report	are correct and this replacement, conforms to the rules of the ASME Code, Section XI
Type Code Symbol Sump: N/A	
Certificate of Authorization No: N/A	Expiration Date: N/A
Signed: All Cylu- Owner or Owner's Designee, Tide	Supervising ASME Codes Engineer Date: 7/12 , 19.95
	CERTIFICATE OF INSPECTION
Province of California, and employed by Arkar Norwood. Massachusetts have inspected the community of the best corrective measures described in this Owner's Re By signing this certificate, neither the Inspector and corrective measures described in this Owner's	nued by the National Board of Boiler and Pressure Vessel Inspectors and the State or right Mutual Insurance Company (Factory Mutual Engineering Association) of apponents described in this Owner's Report during the period (A) to st of my knowledge and belief, the Owner has performed examinations and taken port in accordance with the requirements of the ASME Code, Section XI. The support of the Asmala Code, Section A. In the support
manner for any personal injury or property dama-	
Inspector's Signature	(National Board, State, Province, and Endorsements)

As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Plant:

3

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

P&ID: N-5:

Sheet 1 of 1

Repair Spec:

Unit:

CWO: DCP:

> 022-95 Rev. 0 40112BS03 S3-1204-12 '

94121350000, 94111402000

3-6988.00SN Rev. 0

Type Code Symbol Stamp:

N/A N/A

Authorization No: Expiration Date:

N/A

Identification of System: 4.

Safety Injection (1204)

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (Piping) ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: None (Valve)

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Dwg. \$3-1204-ML-050 Sht 2 Rev. 13 IDCN \$-1			+	a textat			
2" x 3/4" 3000# SS Sockolet	Consolidated Power Supply	HT# 228XNA	N/A	Item #35 SA182F304 RSO#1071-95	N/A	Replacement	No
3/4" Sch. 40S SS Pipe	Consolidated Power Supply	HT# 461144	N/A	Items # 36, 37 SA376TP304 RSO# 0756-95	N/A	Replacement	No
3/4* 3000# SS 90 SW Elbow	Camco	HT# ER	N/A	Item #38 SA182GR304 RSO#3230-88	N/A	Replacement	No
3/4" 600# SS SW Gate Valve	Henry Vogt	S/N 20-216845	N/A	Item #39 S3-1204-MR-447 RSO# 2048-93	1993	Replacement	Yes

- 7. Description of Work: DCP 3-6988 installs vents and drains to enable In-Service Testing (IST) of components not testable under the existing plant configuration. CWO 94121350000 verifies and assembles the replacement material and CWO 94111402000 installs and tests a drain (\$3-1204-MR-447) on Line \$3-1204-ML-050 Sht. 2.
- Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other [] Pressure: 350.06 psig Temp: N/A °F

FORM NIS-2 (back)

9.	Remarks:	None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Owner or Owner's Designee, Title

Supervising ASME Codes Engineer Date: 10/13 19 95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 4/4/95 to 10/16/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions

California

oard, State, Province, and Endorsements)

Date Oct 16, 1995

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit: CWO:

94121357000, 94121104000

DCP:

Sheet 1 of 1

3-6988.00SN Rev. 0

Plant:

5

6.

San Onofre Nuclear Generating Station San Clemente, CA 92674-0128

Repair Spec: P&ID:

020-95 REV 0, 021-95 REV 0 40112B503

Work Performed by: Bechtel Construction Company

P.O. Box 450

N-5:

ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None (Valve MU-216)

S3-1208-11

Type Code Symbol Stamp:

N/A

San Clemente, CA 92674-0128

Authorization No: Expiration Date:

N/A

Identification of System:

N/A

(b)

Chemical and Volume Control (1208)

(a)

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (Piping)

ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: None (Valve MR-050) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
		Dwg. \$3-1208-ML-4	098 Sht. 2 Rev	7. 8, IDCN S-1			
3" Sch. 40S SS Pipe	Al Tech Specialty	HT# AH8352	N/A	Item 12, 15 SA376TP304 RSO #1751-94	N/A	Replacement	No
3" Sch. 40S SS 90 Elbow	Ladish Co.	HT# Z4TSJ	N/A	Item #13 SA403WP304 RSO #1388-94	N/A	Replacement	No
3" x 1" 3000# SS Sockclet	Consolidated Power Supply	HT# 228XNA	N/A	Item #16 SA182F304 RSO #1071-95	N/A	Replacement	No
1" Sch 40S SS Pipe	Al Tech Specialty	HT#A6467H	N/A	Items#17, 19 SA376GR304 RSO #2401-92	N/A	Replacement	No
1" 3000# SS SW 90 Elbow	ASP	HT# ER	N/A	Item#18 SA182F316 RSO #3002-88	N/A	Replacement	No
1" 600# SS BW Gate Valve	Kerotest Mfg. Corp.	S/N 0W25-7	N/A	Item #2 S31208MR050	1976	Replaced	Yes
1″ 600# SS SW Gate Valve	Henry Vogt	S/N 8-215457	N/A	item #20 \$31208MR050 RSO #1592-87, CR-3010-94	1987	Replacement	Yes
3" 300# SS BW Gate Valve	Control Components	S/N 653361-1-2	N/A	Item #14 S31208MU216 RSO #1445-94	1994	Replacement	Yes

^{7.} Description of Work DCP 3-6988 installs vents and drains to enable In-Service Testing (IST) of components not testable under the existing plant configuration. CWO 94121357000 verifies and assembles the replacement material and CWO 94121104000 installs and tests the valve drain assembly on line S3-1208-ML-098 Sht. 2.

Tests Conducted: System Leakage (x) System Functional () System Inservice () Hydrostatic () Pneumatic () Other () 8 Pressure: 312.7 psig Temp: 120.9 F

FORM NIS-2 (back)

	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE
We certify that the statem	nents made in the report are correct and this replacement, conforms to the rules of the ASME Code, Section 2
Type Code Symbol Stamp	p: N/A
Certificate of Authorization	ion No: N/A Expiration Date: N/A
Signed: My Mis Owner or Owner's Desig	Supervising ASME Codes Engineer Date: 10/24 , 19 95
	CERTIFICATE OF INSPECTION
Province of California, as components described in the best of my knowledge and	g a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected this Owner's Report during the period 4/21/95 to 10/25/65, and state that to to delief, the Owner has performed exeminations and taken corrective measures described in this Owner's Report quirements of the ASME Code, Section XI.
and corrective measures d	e, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signatu	Commissions 1862 California
inspector a Signati	(National Board, State, Province, and Endorsements)
Date Oct. 25	0=
	1 1973

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

N-5:

MO: 95010298000

Rspec: GEN-112 R1 P&ID: 40124BSO3

2. Plant:

3. Work Performed by:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

S3-1208-5

Type Code Symbol Stamp: N/A

Authorization No:

4. Identification of System Chemical and Volume Control

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Southern California Edison Company

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0011	N/A	3PSV9227	1985	Replaced	Yes
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0009	N/A	Rebuild MO 94111666	1985	Replacement	Yes

7. Description of Work:

The relief valve leaked from the valve plug as well as the top of the valve. The valve was replaced with a tested spare (Reference MO 94111666). The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2350 psig

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Signed: _

Date: 12/6/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham. Massachusetts have inspected the components described in this Owner's Report during the period to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Cuifornia

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Sheet 1 of 1

Southern California Edison Company Unit: 2244 Walnut Grove Avenue MO:

MO: 95010798000 DCP: 3-6683.04SP

3

2. Plant: San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

Rspec: 078-95
P&ID: 40112CSO3
N-5: S3-1204-11

3. Work Performed by: Southern California Edison Company

Rosemead, California 91770

Type Code Symbol Stamp: N/A

4. Identification of System Safety Injection and Shutdown Cooling Authorization No: N/A
Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	4771	N/A	S3SI021H011	1978	Permanently Deleted	Yes
Mechanical Snubber PSA 1-4	Pacific Scientific	2116	N/A	S3SI021H014	1977	Permanently Deleted	Yes
Mechanical Snubber PSA 3-5	Pacific Scientific	13643	N/A	S3SI021H017	1980	Permanently Deleted	Yes
Mechanical Snubber PSA 3-5	Pacific Scientific	4579	N/A	S3SI021H021	1978	Permanently Deleted	Yes
Mechanical Snubber PSA 1/4	Pacific Scientific	6139	N/A	S3SI021H023	1978	Permanently Deleted	Yes
Mechanical Snubber PSA 1-8	Pacific Scientific	393	N/A	S3SI021H031	1980	Permanently Deleted	Yes

7. Description of Work:

1. Owner:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1204-021-2A (PSG-247) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage ca a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Safety Injection and Shutdown Cooling

Unit: 3

Sheet | of |

MO: 95010799000

DCP: 3-6683.04SP

Rspec: 078-95 P&ID: 40112CSO3 N-5: S3-1204-11

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	15531	N/A	S3SI146H004N	1980	Permanently Deleted	No
Mechanical Snubber PSA 1/4	Pacific Scientific	15528	N/A	S3SI146H004S	1980	Permanently Deleted	No
Mechanical Snubber PSA 1 - 4	Pacific Scientific	4661	N/A	S3SI164H005	1978	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1204-021-2A (PSG-247) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham. Massachusetts have inspected the components described in this Owner's Report during the period 10/15/9.5 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 23, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Sheet 1 of 1

Unit:

MO:

DCP:

N-5:

3

Rspec: 078-95

P&ID: 40112CSO3

Authorization No:

95010805000

3-6683.04SP

S3-1204-11

4. Identification of System Safety Injection and Shutdown Cooling

N/A Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Spring Canister	Itt Grinnell	S3-SI-021-H-013	N/A	S3SI021H013	N/A	Permanently Deleted	No

7. Description of Work:

2. Plant:

The spring canisters and slide bearing pads were no longer required per the latest pipe stress calculation M-1204-021-2A (PSG-247) and were permanently removed in accordance with DCP 3-6683.04SP. The spring can was removed by cutting, followed by removal of its attachment weld by grinding. Miscellaneous attachments were left in-place.

8. Tests Conducted: N/A

Pres: N/A

(Appurable Manufacurer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Signed:

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 5/2/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Southern California Edison Company

2244 Walnut Grove Avenue

MO:

2244 Walnut Grove Avenue MO: 95010908000 Rosemead, California 91770 Rspec: EREF-0248

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 P&ID: 40134DS03 E-6 N-5: S3-1212-8

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Nuclear Plant Sampling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Y-Type Check Valve	Kerotest	TKB2-19	N/A	S31212MU019	1976	***	Yes
Disc	Kerotest	ADT41-2	N/A	RSO 2-P-1372-83, SA479 316	1983	Replacement	Yes

7. Description of Work:

The valve was disassembled for cleaning and inspection due to operational difficulties. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 311 psig

FORM NIS-2 (back)

9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. poscapie Manufacturers Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/6/95 Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title CERTIFICATE OF INSPECTION I, the undersigned bolding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Proving of California, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 2/2/95 to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Unit: 3 2244 Walnut Grove Avenue MO: 95010949000 Rosemead, California 91770 DCP: 3-6683.04SP Rspec: 078-95

2. Plant: San Onofre Nuclear Generating Station P&ID: 40112CSO3 San Clemente, California 92674-0128 S3-1219-2

Southern California Edison Company Work Performed by:

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Refueling Water Tanks Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	4640	N/A	S3FS007H003	1978	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1219-007-AA (PSG-253) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left inplace. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this deletion conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/16/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 1/15/95 to 16/19/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 National Board, State, Province, and Endorsements

Date Ont. 19, 1995

As Required by the Provisions of the ASME Code SectionXI

Sheet 1 of 1

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

MO: 95011046000 DCP: 3-6683.04SP

2. Plant: San Onc

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 078-95

P&ID: 40112ASO3 N-5: S3-1204-34

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	2691	N/A	S3SI048H004	1977	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1204-014-3A (PSG-747) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Mompson Commissions 1862 Inspector's Signature

California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company
 Unit:

 2244 Walnut Grove Avenue
 MO: 95011047000

 Rosemead, California 91770
 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station
San Clemente, California 92674-0128

Rspec: 078-95
P&ID: 40112ASO3
N-5: S3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	3570	N/A	S3SI049H003	1978	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1204-014-3A (PSG-747) and was permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Signed:

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

2244 Walnut Grove Avenue MO: 95011049000 95080389000 Rosemead, California 91770

3

DCP: 3-6683.04SP

Rspec: 079-95 R1, GEN-151 San Onofre Nuclear Generating Station 2. Plant: P&ID: 40112ASO3

San Clemente, California 92674-0128 N-5: S3-1204-34

Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A 4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	3893	N/A	S3SI048H007	1977	Replaced	Yes
11 7/8" Rigid Strut	Lisega	S3-SI-048-H-007	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No
Load Pin	Pacific Scientific	Heat N3199A	N/A	RSO 1212-93, SA564 Gr. 630	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP and MO 95011049. One of the load pins was unsatisfactory and was replaced on a separate MO (95080389). The existing rear brackets were reused. A VT-3 examination of the support assembly was performed after installation. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1204-014-3A (PSG-747)

8. Tests Conducted: N/A

Pres: N/A

FORM NIS-2 (back)

9. Remarks CR-3006-95 reconciles the replacement load pin which was certified to ASME III-1, 1980 Edition, S'82 Addenda. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/27/95 Supervising ASME Codes Engineer 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/31/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 National Board, State, Province, and Endorsements

Date Oct. 31, 1995

As Required by the Provisions of the ASME Code SectionXI

Owner: Southern California Edison Company Unit:

2244 Walnut Grove Avenue MO: 95011051000 95080345000

Rosemead, California 91770 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station Rspec: 079-95 R1, GEN-151 P&ID: 40112ASO3

San Clemente, California 92674-0128 N-5: S3-1204-34

3. Work Performed by: Southern California Edis on Company

Type Code Symbol Stamp: N/A

4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	1602	N/A	S3SI053H003	1977	Replaced	Yes
9" Rigid Strut	Lisega	S3-SI-053-H-053	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No
Load Pin	Pacific Scientific	Heat N3199A	N/A	RSO 1212-93, SA564 Gr. 630	N/A	Replacement	No

Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP and MO 95011049. One of the load pins was unsatisfactory and was replaced on a separate MO (95080345). The existing rear brackets were reused. A VT-3 examination of the support assembly was performed after installation. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1204-014-3A (PSG-747)

8. Tests Conducted: N/A

Pres: N/A

FORM NIS-2 (back)

9. Remarks CR-??? Addenda. reconciles the replacement load pin which was certified to ASME III-1, 1980 Edition, S'82

(Appacable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Aller Sur Swiner or Owner's Designee, Title Supervising ASME Codes Engineer

Date: 10/20/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/28/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct 23, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company Unit:

2244 Walnut Grove Avenue MO: 95011054000 Rosemead, California 91770 DCP: 3-6683.04SP

DCP: 3-6683.04SP Rspec: 079-95 R1 P&ID: 40112ASO3 N-5: S3-1204-34

3. Work Performed by: Southern California Edison Company

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A

4 Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	36771	N/A	S3SI185H00A	1985	Replaced	No
11 3/4" Rigid Strut	Lisega	S3-SI-185-H-00A	N/A	RSO 1022-95, 3922RR1	N/A	Replacement	No

7. Description of Work:

1. Owner:

2. Plant:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. The existing rear brackets were reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1204-014-3A (PSG-747)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Date: 10/20/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 16/28/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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. Commissions 1862 California Inspector's Signature

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 Owner's Report. Furthermore, neither the Inspector nor his

National Board, State, Province, and Endorsements

Date Oct 23, 1995

3

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

 2244 Walnut Grove Avenue
 MO: 95011092000

 Rosemead, California 91770
 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 078-95 P&ID: 40112ASO3 N-5: S3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Buik	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	1560	N/A	S3SI014H006	1977	Permanently Deleted	Yes
Mechanical Snubber PSA 1/4	Pacific Scientific	3966	N/A	S3SI014H011	1977	Permanently Deleted	Yes
Mechanical Snubber PSA 1	Pacific Scientific	25773	N/A	S3SI014H012	1986	Permanently Deleted	No

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1204-014-AA (PSG-8) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

NOTE

Pres: N/A

(Appacable Manufactur es Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/45 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date Oct. 23, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit: 3

MO: 95011093000 DCP: 3-6683.04SP

rosement, camonia 21770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 083-95 P&ID: 40112ASO3

N-5: S3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	2467	N/A	S3SI014H007	1977	Replaced	Yes
30" Rigid Strut	Lisega	S3-SI-014-H-007	N/A	RSO 1022-95, 3952RR1	N/A	Replacement	No
Rear Brackets w/Load Pins (2)	Lisega	S3-SI-014-H-007	N/A	RSO 1093-95, 3552RR1	N/A	Replacement	No

7. Description of Work:

2. Plant:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP and FIDCN M-9866. A VT-3 examination of the support assembly was performed after installation. The rear brackets and load pins were also replaced. Installation and NDE was performed using weld record WR3-95-251. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1204-014-AA (PSG-8)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A. Date: 12/6/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

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 Owner's 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.

has performed examinations and taken corrective measures described in this Owner's Report in accordance with the

to 12/7/95, and state that to the best of my knowledge and belief, the Owner

Inspector's Signature Commissions /6/2 California
National Board, State, Province, and Endorsements

Date Clec 7, 1995

requirements of the ASME Code, Section XI.

Sheet 1 of 1

As Required by the Provisions of the ASME Code SectionXC

1. Owner: Southern California Edison Company Unit:

 2244 Walnut Grove Avenue
 MO: 95011097000

 Rosemead, California 91770
 DCP: 3-6683.04SP

2. Plant: San Orofre Nuclear Generating Station
San Clemente, California 92674-0128

Rspec: 084-95
P&ID: 40112CSO3
N-5: S3-1204-11

Work Performed by: Southern California Edison Company

Time Code Symbol St.

Type Code Symbol Stamp: N/A
Authorization No: N/A
4. Identification of System Safety Injection and Shutdown Cooling Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	9176	N/A	S3SI021H002N	1980	Replaced	No
Mechanical Snubber PSA 1/2	Pacific Scientific	20429	N/A	S3SI021H002S	1987	Replaced	No
9" Rigid Struts (2)	Lisega	S3-SI-021-H-002	N/A	RSO 1022-95, 3952RR1	N/A	Replacement	No
Rear Brackets w/Load Pins (4)	Lisega	S3-SI-021-H-002	N/A	1093-95, 3552RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP and FIDCN M-10164. VT-3 examinations of the support assemblies were performed. Her installation. The rear brackets and load pins were also replaced. Installation and NDE was performed using weld record WR3-95-252. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1204-014-AA (PSG-8)

8. Tests Conducted: N/A

Pres: N/A

(Apporable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: _____Surer's Designee, Title Supervising ASME Codes Engineer

Date: 12/8/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected, the components described in this Owner's Report during the period 6/1/95 to 12/11/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Dec. 11, 1995

As Required by the Provacons of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit: 3

 2244 Walnut Grove Avenue
 MO: 95011313000

 Rosemead, California 91770
 DCP: 3-6683.04SP

 Rspec: 078-95
 Rspec: 078-95

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 P&ID: 40114BS03 N-5: S3-1206.1

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp N/A

Authorization No: N/A
Expiration Date: N/A

4. Identification of System Containment Spray

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Seri I No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	2198	N/A	S3CS003H010	1977	Permanently Deleted	Yes
Mechanical Snubber PSA 1/2	Pacific Scientific	20238	N/A	S3CS003H053B	1984	Permanently Deleted	No
Mechanical Snubber PSA 1/2	Pacific Scientific	20199	N/A	S3CS003H053T	1984	Permanently Deleted	No
Mechanical Snubber PSA 1-4	Pacific Scientific	5363	N/A	S3CS003H063	1979	Permanently Deleted	No

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1206-003-AA (PSG-53) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

FORM NIS-2 (back)

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this deletion conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/16/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95 R1 P&ID: 40114BSO3 N-5: S3-1206-1

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A

4. Identification of System Containment Spray Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	2358	N/A	S3CS003H061	1978	Replaced	Yes
10* Rigid Strut	Lisega	S3-CS-003-H-061	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No
Mechanical Snubber PSA 3-5	Pacific Scientific	13327	N/A	S3CS003H065B	1980	Replaced	No
Mechanical Snubber PSA 3-5	Pacific Scientific	13314	N/A	S3CS003H065T	1980	Replaced	No
18 3/4" Rigid Struts (2)	Lisega	S3-CS-003-H-065	N/A	RSO 1093-95, 3952RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP and FIDCN M-10165. The existing rear brackets were reused. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1206-003-AA (PSG-53)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 12/1/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

__Commissions _ 1862

California

National Board, State, Province, and Endorsements

Date (200.4, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet | of | Unit: 3

MO: 95011350000 DCP: 3-6683.04SP

2. Plant: San Onofre

San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 078-95 P&ID: 40114BSO3 N-5: S3-1206-1

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

o: N/A

4. Identification of System Containment Spray

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1	Pacific Scientific	2104	N/A	S3CS003H041	1977	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1206-003-4A (PSG-53) and was permanently removed in accordance with DCP 3-6683.04SP. The rear bracket was left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Apparable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct. 17, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit: 3 MO:

95011351000 DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Rspec: 079-95 R1 P&ID: 40114BSO3 N-5: S3-1206-1

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A N/A

4. Identification of System Containment Spray

Expiration Date:

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1	Pacific Scientific	1644	N/A	S3CS003H043	1977	Replaced	Yes
15 1/2" Rigid Strut	Lisega	S3-CS-003-H-043	N/A	RSO 1022-95, 3932RR1S	N/A	Replacement	No
Mechanical Snubber PSA 3-5	Pacific Scientific	3515	N/A	S3CS003H044	1977	Replaced	Yes
19 3/4" Rigid Strut	Lisega	S3-CS-003-H-044	N/A	RSO 1022-95, 3952RR1S	N/A	Replacement	No
Mechanical Snubber PSA 3-5	Pacific Scientific	2202	N/A	S3CS003H046B	1977	Replaced	Yes
Mechanical Snubber PSA 3-5	Pacific Scientific	2129	N/A	S3CS003H046T	1977	Replaced	Yes
18 9/16" Rigid Struts (2)	Lisega	S3-CS-003-H-046	N/A	RSO 1022-95, 3952RR1S	N/A	Replacement	No
Mechanical Snubber PSA 3-5	Pacific Scientific	5291	N/A	S3CS003H047	1978	Replaced	Yes
18 9/16" Rigid Strut	Lisega	S3-CS-003-H-047	N/A	RSO 1022-95, 3952RR1S	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP. The existing attachment hardware was reused. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1206-003-4A (PSG-55)

8. Tests Conducted: N/A

Pres: N/A

(Appurable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

ctor's Signature National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

Sheet 1 of 1

MO: 95011353000 DCP: 3-6683.04SP

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Rspec: 078-95 P&ID: 40114BSO3

N-5: S3-1206-1

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Containment Spray

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manyfacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Spring Hangers (2)	Itt Grinnell	S3-CS-003-H-045	N/A	S3CS003H045A S3CS003H045B	N/A	Permanently Deleted	No

7. Description of Work:

2. Plant:

The spring hanger assembly was no longer required per the latest pipe stress calculation M-1206-003-4A (PSG-55) and was permanently removed in accordance with DCP 3-6683.04SP. The attachment bracket was left in-place.

8. Tests Conducted: N/A

NOTE

Pres: N/A

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· ·	- HC 85	TTU	агк	56	DVCN	ne.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this deletion conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/16/95 -Supervising ASME Codes Engineer 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 5/1/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 California mompan National Board, State, Province, and Endorsements Inspector's Signature

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Clemente, CA 92674-0128

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

Sheet 1 of 2 Unit:

CWO:

95011379000, 95011362000, 95011308000, 95011377000,

95011370000

95011370

DCP:

3-2012.00SN Rev. 0

Repair Spec:

014-95 Rev. 0, 012-95 Rev. 1,

013-95 Rev. 0

P&ID:

40123BS03

N-5:

S3-1208-13

4. Identification of System:

Plant:

3.

Chemical and Volume Control (1208)

Type Code Symbol Stamp: Authorization No: N/A N/A

Expiration Date:

N/A

- 5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, W'74 Addenda, Code Cases: None
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	Code Stamped Yes/No
CVCS Purification Filter	VACCO Industries/ Greer Hydraulics		N/A	\$3-1208-MF-020	1976	Repaired	Yes
		Vendor Dwg	. 1814-AA373-	D0002			
Housing Cover	Energy Steel & Supply Co.	Ht. #2C047	N/A	Item #1 SA-240 Gr. T304 RSO #1332-94	N/A	Replacement	No
Trunion Lug	Energy Steel & Supply Co.	Ht. #861483AL	N/A	Item #3 SA-240 Gr. T304 RSO #1332-94	N/A	Replacement	No
Bolt Stop	Energy Steel & Supply Co.	Ht. #861483AL	N/A	Item #4, 5 SA-240 Gr. T304 RSO #1332-94	N/A	Replacement	No
Bolt Trunion	Energy Steel & Supply Co.	Ht. #30830	N/A	Item #6 SA-479 Gr. T304 RSO #1332-94	N/A	Replacement	No
1-'4"-8-UNC-2A Closure Bolt	Energy Steel & Supply Co.	Ht. #41040	N/A	Item #7 SA-193 B8M RSO #0047-95	N/A	Replacement	No

7. Description of Work:

DCP 3-2012.00 SN Rev. 0 modifies the CVCS purification filters to improve ultra-filtration of RCS particulates and reduce/eliminate personnel radiation exposure and contamination. The CVCS purification filter housing on \$3-1208-MF-020 was removed and replaced utilizing replacement parts per Dwg. 1814-AA373-D0002-1. Closed CWO #94062923 verified ASME materials for both Unit 2 & 3 parts. CWO #95011370 addresses vendor support for machining of the filter vessel flange. CWO #95011362 modifies the filter vessel to accept a new cartridge. CWO #95011377 removes relief valve 3PSV9207, removes inlet flange and verifies and installs a pipe cap on the PSV inlet pipe. CWO #95011308 verified and welded the closure bolts to the washers. CWO #95011379 removes the check valve internals on valve \$3-1208-MU-073. CWOs #95011308, 95011362 and 95011370 conducted the system functional/VT-2 tests.

Tests Conducted: System Leakage [] System Functional [X] System Inservice [] Hydrostatic [] Pneumatic [] Other []
Pressure: 343 psig Temp: N/A *F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA.

FORM NIS-2 (back)

	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE
We certify that the statements made Section XI.	in the report are correct and this repair and replacement, conforms to the rules of the ASME Code,
Type Code Symbol Stamp: N/A	
Certificate of Authorization No:	N/A Expiration Date: N/A
Signed: al Meic	let _ Supervising ASME Codes Engineer Date: 5/6 , 19.95
	CERTIFICATE OF INSPECTION
Province of California, and employ Norwood, Massachusetts have ins 97795, and state corrective measures described in the	commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or yed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of pected the components described in this Owner's Report during the period 4/1/95 to that to the best of my knowledge and belief, the Owner has performed examinations and taken is Owner's Report in accordance with the requirements of the ASME Code, Section XI.
and corrective measures described	in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any property damage or a loss of any kind arising from or connected with this inspection.
and corrective measures described	in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any property damage or a loss of any kind arising from or connected with this inspection. Commissions

As Required by the Provisions of the ASME Code Section XI

1.	Owner:	Southern Califor 2244 Walnut Gro	nia Edison Company ove Avenue, Rosemead, CA 91770	Sheet 2 of 2 Unit: CWO:		, 95011362000, , 95011377000,
2.	Plant:	San Onofre Nucl San Clemente, C	ear Generating Station A 92674-0128	DCP: Repair Spec:	95011370009 3-2012.60SN	
3.	Work Pe	rformed by: Southe	ern California Edison Company	P&ID:	013-95 Rev. (40123BS03	0
4.	Identifica	ation of System:	Chemical and Volume Control (1208)	N-5:	S3-1208-13	
				Type Code S Authorization Expiration D		N/A N/A N/A

- (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, W-74 Addenda, Code Cases: None
 - (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda
- 6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
		\$3-1208-ML-106	5 Sht. 1 Rev. 2	IDCN 5-1			
3* Swing Check Valve	Walworth/Aloyco	S/N A3362	1181	S3-1208-MU-073	1979	See Part. #7 Description of Work	Yes
Swing Check valve		1208-ML-111 Sht. I	Rev. 9 IDCN	S-1 FIDCN M9856			
1" Relief Valve	Crosby Valve & Gage	S/N N59368-00-0002	N/A	3PSV9207	1977	Replaced	Yes
1° 1000 #SS SW End Can	CAMCO	Ht. #DAW	N/A	Item #16 SA403 WP304 RSO #0190-84	N/A	Replacement	No

C	Date:	ANII:	Date:	
Owner/Designee:	Liste:	5,77 4 FT 1	And the late of	-

As Required by the Provisions of the ASME Code SectionXI

Sheet 1 of 1

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Unit: 3 95011429000 MO:

Rosemead, California 91770

DCP: 3-6683.04SP

2. Plant: San Onofre Nuclear Generating Station

Rspec: 079-95 R1 P&ID: 40124BSO3

San Clemente, California 92674-0128

N-5: S3-1208-5

3. Work Performed by:

Southern Californ's Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	1340	N/A	S3VC008H039	1977	Replaced	Yes
25 3/8" Rigid Strut	Lisega	S3-VC-008-H-039	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. The existing brackets were reused. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1208-008-4A (PSG-110)

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Moderate Supervising ASME Codes Engineer Date: 10/17/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/11/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Sheet 1 of 1

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3 MO: 9:

DCP:

95011430000 3-6683.04SP

Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Rspec: 079-95 R1 P&ID: 40123BSO3

N-5: S3-1208-5

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	11257	N/A	S3VC104H019S	1980	Replaced	No
30" Rigid Strut	Lisega	S3-VC-104-H-019	N/A	RSO 1022-95. 3932RR1	N/A	Replacement	No
Mechanical Snubber PSA 1-4	Pacific Scientific	11726	N/A	S3VC104H019W	1980	Replaced	No
23 1/4" Rigid Strut	Lisega	S3-VC-104-H-019	N/A	RSO 1022-95. 3932RR1	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP. The existing attachment hardware was reused. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1208-008-4A (PSG-110)

8. Tests Conducted: N/A

Pres: N/A

(Apparable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/17/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: MO:

95011707000 Rspec: 154-95

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40111BSO3

N-5: S3-1201-2

3

3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A Authorization No:

Expiration Date:

N/A

4. Identification of System Reactor Coolant

2. Plant:

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: 1588, 1820

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Immersion Heater	Combustion Engineering/ Watlow	34E	N/A	S31201ME612	1981	Replaced	Yes
Pressurizer Heater	Combustion Engineering/ Watlow	6	N/A	RSO 4723-85 R1, SA213 Tp 316, SA479 Tp 316	1985	Replacement	No

Description of Work:

S31201ME612 pressurizer heater, located in sleeve H3 of ME087 was replaced due to grounding as described in NCR 95010051. The existing heater was removed by cutting the heater-to-sleeve fillet weld. The sleeve end was prepped for welding and the replacement heater was installated using weld record WR3-95-460. A final PT examination was performed on the completed weld with satisfactory results.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 435 F

(Appucable Manufacturers Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/6/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions /862 California

National Board, State, Province, and Endorsements

Date Che. 7. 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company Unit:

2244 Walnut Grove Avenue MO: 95011742000 95081590000

Rosemead, California 91770 DCP: 3-6683-04SP

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128 Rspec: 079-95 R1, 199-95 P&ID: 40141CSO3 N-5: S3-1301-2

Work Performed by: Southern California Edison Company
 Type Code Symbol Stamp: N/A

4. Identification of System Main Steam Authorization No: N/A Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 100	Pacific Scientific	267	N/A	S3ST002H026	1977	Replaced	Yes
36 3/4" Rigid Strut	Lisega	S3-ST-002-H-026	N/A	RSO 1063-95, CR-2000-95	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was replaced with a rigid strut in accordance with DCP 3-6683.04SP. The existing attachment brackets were reused. The replacement strut end paddles would not fit into the existing rear brackets and were machined in accordance with DCN 19 to CS-P207 and MO 95081590. A VT-3 examination of the support assembly was performed after installation. The removed snubber was placed into the snubber rebuild program. Reference: Stress Calculation M-1301-002-5A (PSG-351)

8. Tests Conducted: N/A

Pres: N/A

Date Oct. 23, 1995

(Appocable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/20/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/21/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 California Inspector's Signature National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company

3 Unit: 2244 Walnut Grove Avenue MO: Rosemead, California 91770

95011744000 DCP: 3-6683.04SP Rspec: 078-95

San Onofre Nuclear Generating Station 2. Plant:

P&ID: 40141CSO3 San Clemente, California 92674-0128 N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Main Steam

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Spring Cannister	Sanwa Tekki Corp.	NS00571	N/A	S3ST002H013A	1980	Permanently Deleted	No
Spring Cannister	Sanwa Tekki Corp.	NS00570	N/A	S3ST002H013B	1980	Permanently Deleted	No

7. Description of Work:

The spring canisters and slide bearing pads were no longer required per the latest pipe stress calculation M-1301-002-4A (PSG-14) and were permanently removed in accordance with DCP 3-6683.04SP. The spring can was removed by cutting, followed by removal of its attachment weld by grinding. Miscellaneous attachments were left in-place.

8. Tests Conducted: N/A

Pres: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer

Date: 10/16/95

Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Ma sachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be tiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct 17, 1999

As Required by the Provisions of the ASME Code SectionXI

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	38660	N/A	S3ST002H061	1991	Permanently Deleted	No
Mechanical Snubber PSA 1	Pacific Scientific	6933	N/A	S3ST002H065	1979	Permanently Deleted	Yes

7. Description of Work:

The mechanical snubbers with attachment hardware were no longer required per the latest pipe stress calculation M-1301-002-5A (PSG-351) and were permanently removed in accordance with DCP 3-6683.04SP. The rear brackets were left in-place. The removed snubbers were placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

FORM NIS-2 (back)

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

- Supervising ASME Codes Engineer

Date: 10/16/95

Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/15/95 to 10/17/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Oct. 17, 1995

3

As Required by the Provisions of the ASME Code Section XI

1. Owner:

Southern California Edison Company Unit: 2244 Walnut Grove Avenue MO:

95011798000 95081797000

Rosemead, California 91770 DCP: 3-6683.04SP

Rspec: 079-95 R1, GEN-152 R1 2. Plant: San Onofre Nuclear Generating Station

P&ID: 40141CSO3 San Clemente, California 92674-0128 N-5: S3-1301-2

Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A

Authorization No: N/A 4. Identification of System Main Steam Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4	Pacific Scientific	37498	N/A	S3ST002H059	1986	Replaced	No
19 1/2" Rigid Strut	Lisega	S3-ST-002-H-059	N/A	RSO 1022-95, 3922RR1	N/A	Replacement	No
Mechanical Snubber PSA 1/4	Pacific Scientific	13720	N/A	S3ST002H062	1980	Replaced	No
24 5/8" Rigid Strut	Lisega	S3-ST-002-H-062	N/A	RSO 1022-95, 3922RR1	N/A	Replacement	No
Mechanical Snubber PSA 1	Pacific Scientific	4512	N/A	S3ST002H064	1978	Replaced	No
39 3/4" Rigid Strut	Lisega	S3-ST-002-H-064	N/A	RSO 1022-95, 3922RR1S	N/A	Replacement	No
Load Pins (2)	Pacific Scientific	Ht Code N2917B	N/A	RSO 0072-92, CR-3006-95	N/A	Replacement	No

7. Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP. The existing attachment brackets were reused. Support S3ST002H064 load pins were missing. Replacement load pins were installed using MO 95081797. VT-3 examinations of the sup ort assemblies were performed after installation. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1301-002-5A (PSG-351)

8. Tests Conducted: N/A

Pres: N/A

FORM NIS-2 (back)

Remarks CR-3006-95 reconciles the replacement load pins which were certified to III-1NF, 1980 Edition, S'82
Addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Mull Supervising ASME Codes Engineer

Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

 Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Refueling Water Tanks

Sheet | of | Unit: 3

MO: 95011848000 DCP: 3-6683.04SP

Rspec: 078-95 P&ID: 40112BS03 N-5: S3-1219-4

Type Code Symbol Stamp: N/A

Authorization No: N/A
Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2	Pacific Scientific	20365	N/A	S3FS107H002	1986	Permanently Deleted	No

7. Description of Work:

The mechanical snubber with attachment hardware was no longer required per the latest pipe stress calculation M-1204-080-AA (PSG-205) and was permanently removed in accordance with DCP 3-6683.04SP. The rear bracket was left in-place. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pres: N/A

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 10/16/95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period

has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Whompson Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provision, of the ASME Code Section NI

1. Owner: Southern California Edison Company

WENT TO BE THE THE

2. Plant:

2244 Walnut Grove Avenue Rosemead, California 91770 Sheet 1 of 1 Unit: 3

MO: 95011850000

DCP: 3-6683.04SP

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Rspec: 079-95 R1 P&ID: 40122BSO3

N-5: S3-1219-4

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A N/A

4. Identification of System Refueling Water Tanks

Expiration Date:

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1	Pacific Scientific	11718	N/A	S3FS107H006	1980	Replaced	No
20" Rigid Strut	Lisega	S3-FS-107-H-006	N/A	RSO 1022-95, 3932RR1	N/A	Replacement	No
Mechanical Snubber PSA 3	Pacific Scientific	15102	N/A	S3FS107H007B	1980	Replaced	No
Mechanical Snubber PSA 3	Pacific Scientific	13333	N/A	S3FS107H007T	1980	Replaced	No
19 1/2" Rigid Struts (2)	Lisega	S3-FS-107-H-007	N/A	RSO 1022-95, 3952RR1	N/A	Replacement	No

Description of Work:

The mechanical snubbers were replaced with rigid struts in accordance with DCP 3-6683.04SP and FIDCN M10167. The existing attachment brackets were reused. VT-3 examinations of the support assemblies were performed after installation. The removed snubbers were placed into the snubber rebuild program. Reference: Stress Calculation M-1204-080-AA (PSG-205)

8. Tests Conducted: N/A

Pres: N/A

(Appacable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

signed: Allegill Supervising ASME Codes Engineer

Date: 12/1/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date (1, 1995

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 95011914, 95051680, 95061363, 95071661

Rspec: GEN-148, 153-95, 176-95

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40111BSO3 N-5: S3-1201-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: 1588, 1820

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Pressurizer Heater	Combustion Engineering/ Watlow	11E	N/A	S31201ME604	1981	Repaired	Yes
2" Diam. Round Bar	Tioga Pipe Supply	Heat 832VNA	N/A	RSO 1894-93, SA182 F316, CR- 3007-95	N/A	Replacement	No

7. Description of Work:

S31201ME604 pressurizer heater, located in sleeve D1 of ME087 was scheduled for replacement due to grounding as described in NCR 95010019. MO 95011680 attempted to remove the existing heater but without success. The work scope was then changed to abandon the existing heater in-place and plug. Using MO 95061363, the heater core was removed and the heater sheath was prepped for welding. The heater sheath-to-sleeve weld was reinstalled using weld record WR3-95-464 and the heater plug installed using weld record WR3-95-461. A final PT examination was performed on the completed weld with satisfactory results. Support MO 95071661 machined the heater plug from bar stock and performed a PT examination of the plug, prior to installation.

Reference: NCR 95010019, NCR 95070110

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 435 F

9. Remarks CR-3007-95 reconciles the replacement plug material which was certified to ASME III-1, 1971 Edition, S'72 Addenda. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Bulle Supervising ASME Codes Engineer Date: 12/5/95 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. _Commissions 1862 California Inspector's Signature National Board, State, Province, and Endorsements Date (2)4. 6, 1995

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Wainut Grove Avenue

Unit:

MO: 95031331000 Rspec: GEN-112 R1

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40124B H-2 N-5: \$3-1208-5

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

4. Identification of System Chemical and Volume Control

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Southern California Edison Company

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0012	N/A	3PSV9225	1985	Replaced	Yes
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0007	N/A	Rebuild MO 94111667	1984	Replacement	Yes

7. Description of Work:

2. Plant:

3. Work Performed by:

The relief valve in plant location 3PSV9225 was replaced due to seat leakage. The valve was replaced with a tested spare (Reference MO 94111667). The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2370 psig

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer Date: 12/11/95
Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 3/20/95 to 12/11/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Thompson Commissions 1862

Inspector's Signature National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code LictionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

N-5:

95032108000 MO:

P&ID: 40112BSO3 G-4

Rspec: EREF-0022

2. Plant

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

N/A

Expiration Date:

\$3-1204-35, -21

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Y-Type Globe Valve	Kerotest	OW33-17	N/A	S31204MR208	1976	***	Yes
Disc	BW/IP Intl.	116	N/A	RSO 1826-94, SA479 316	1994	Replacement	Yes

7. Description of Work:

The valve was disassembled for cleaning and inspection due to valve leakage. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 95.5% Level

9. Remarks The replacement disc was certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. (Apparable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/6/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 1217/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements Date Dec. 7, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Main Steam

Unit: 3

MO: 95040076000 95090165000 95090476

FCN: F9473M

Rspec: 150-95R2,204-95R1,GEN-152

P&ID: 40112DSO3

N-5: S3-1301-1

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
52 1/8" Rigid Strut	Lisega	S3-ST-580-H-002	N/A	S3ST580H002	N/A	Replaced	No
Mechanical Snubber, PSA 35-6	Pacific Scientific	13062	N/A	RSO 1099-91, 1801112-13	1991	Replacement	No
Extension Pipe	Kawasaki Steel	Heat 32168-01	N/A	RSO 1324-95, SA106 B, CR- 2000-94	N/A	Replacement	No
Weld Adapter	Pacific Scientific	Heat N2535-A	N/A	RSO 2714-86, 1801547-01	N/A	Replacement	No
Load Pins (2)	Grinnell	Ht Code ZA	N/A	RSO 2229-85	N/A	Replacement	No

7. Description of Work:

The rigid strut was replaced with a mechanical snubber in accordance with the referenced FCNs in order to minimize vibration. MO 95040076 performed the installation of the new snubber, along with installation of a weld adapter, extension pipe and an end cap (reference weld record WR3-95-509). Both load pins were damaged and were replaced using MO 95040076. Support MOs 95090476 and 95090165, machined the load pins to the required dimensions before installation. A VT-3 examination of the support assembly was performed with satisfactory results.

8. Tests Conducted: N/A

Pres: N/A

 Remarks The snubber, weld adapter and load pins were certified to a higher code class, ASME III-1, as allowed by ASME III, paragraph NCA-2134. CR-2000-94 reconciles the replacement extension pipe which was certified to ASME III-2, 1989 Edition, No Addenda.

(Applicable Manufacturers Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this of the ASME Code, Section XI. replacement conforms to the rules repair or replacement
Type Code Symbol Stamp: N/A
Certificate of Authorization No: N/A Expiration Date: N/A
Signed: Supervising ASME Codes Engineer Date: 12/4/95 Owner or Owner's Designee, Title
CERTIFICATE OF INSPECTION
the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.
Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements
Date Que. 11, 1995

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1

Unit:

CWO: 95040255001

95040255000

2. Plant:

3.

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

DCP:

SG3/C8

Repair Spec:

GEN-105 Rev. 1

P&ID: N-5:

40141AS03 (C-5) S3-1201-3

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

Identification of System:

REACTOR COGLANT (1201)

Expiration Date:

N/A

(4) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements. 1989 Edition, No Addenda

6. Identification of Components Repaired or Replaced and Replacement Componer is:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
14"-8N-2A Manway	Combustion	HT #40545		SA540 Gr. B24			
Studs (2)	Engineering	Trace Code #15346	N/A	RSO #3522-90	NA	Replacement	No
11/4"-8N-2B Manway Stud	Combustion	HT #11472		SA193 Gr. B7			
Nuts (2)	Engineering	Trace Code #3-6765-1	N/A	RSO #3440-85	N/A	Replacement	No

Description of Work: Replacement studs (2) and nuts (2) were installed on the secondary manway cover on the west side of steam 7. generator \$3-1301-ME-088. A VT-1 inspection was performed on the replacement studs/nuts.

Tests Conducted: System Leakage [X] System Functional [] System Inservice [] Hydrostatic [] Pneumatic [] Other []

Pressure: 2250 psia Temp: 512 °F (Primary Side) Pressure: 985 psia Temp: N/A (Secondary Side)

FORM!	VIS-2 (1	back)
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9	Remarks:	None
100.0	Children State Trade	7. 4. 7. 7. 7. 2. 20. 1

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Mycilel Supervising ASME Codes Engineer Date: 10/17 1995

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/19/95 to 10/18/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the

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 Owner's 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.

Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date Oct. 18, 1975

As Required by the Provisions of the ASME Code Section XI

Owner

3.

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit:

CWO:

95040276000

DCP:

3-6864.00SN Rev. 0 109-95 Rev. 0

Repair Spec:

40122AS03

P&ID: NI-A:

S3-2150-1

Work Performed by: Bechtel Construction Company

San Onofre Nuclear Generating Station

P.O. Box 450

San Clemente, CA 92674-0128

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A N/A

Authorization No: Expiration Date:

N/A

Identification of System:

Plant:

Fuel Transfer Tube (2150)

(a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Fuel Transfer Tube	Bechtel	\$3-2150-1	N/A	N/A	1982	Repaired	Yes

7. Description of Work:

The primary objectives of DCP 3-6864.00SN Rev. 0 are to reduce outage critical path time during refueling activity, reduce the risk for extending critical path time and to provide a safer work environment. The existing tack welds were removed and the existing cable pan wear plate was shortened. NDE was performed on the removal areas. The new QC III sheave assembly was installed per Dwg. SO23-411-55-129-2 and the wear plate was welded and inspected per the WR-5As for welds A, B, C, D & E.

8. Tests Conducted: None.

- Note:

ie.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Designee, Title

Supervising ASME Codes Engineer Date: 8/29 1995

Owner or Owner's

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Normond, Massachusetts have inspected the components described in this Owner's Report during the period \$11275 to the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions _

(National Board, State, Province, and Endorsements)

Date august 27, 1995

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit:

Sheet 1 of 1 CWO:

95040277001

San Onofre Nuclear Generating Station

DCP:

95040277000

N-5:

SG3/C8

S3-1201-3

San Clemente, CA 92674-0128

Repair Spec: P&ID:

GEN-105 Rev. 1 40141AS03 (C-5)

Work Performed by: Bechtel Construction Company

P.O. Box 450

Sac Clemente, CA 92674-0128

N/A

Identification of System:

Type Code Symbol Stamp: Authorization No:

N/A

Plant:

2.

REACTOR COOLANT (1201)

Expiration Date:

N/A

Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: None 5. (a)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

6. Lientification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
11/2"-8N-2A Manway Stud (1)	Combustion Engineering	HT #40545 Trace Code #15346	N/A	SA540 Gr. B24 RSO #3522-90	NA	Replacement	No
11/2"-8N-2B Manway Stud Nuts (2)		HT #11472 Trace Code #J-6765-1	N/A	SA193 Gr. B7 RSO #3440-85	N/A	Replacement	No

Description of Work: Replacement studs (2) and nuts (2) were installed on the secondary manway cover on the west side of steam 7. generator \$3-1301-ME-089. A VT-1 inspection was performed on the replacement studs/nuts.

Tests Conducted: System Leakage [X] System Functional [] System 'inservice [] Hydrostatic [] Pneumatic [] Other []

Pressure: 2250 psia Temp: 512 °F (Primary Side) Pressure: 985 psia Temp: N/A (Secondary Side)

Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N.A.

Certificate of Authorization No. N/A

Expiration Date: N/A

Signed: Al Meile Supervising ASME Codes Engineer Date: 10/17, 1995
Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 6/26/95 to 10/19/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date Oct. 19, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead California 91770

3 Unit:

MO: 95040293000

P&ID: 40124BSO3 G-3

Rspec: 106-95

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1208-5

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Chemical and Volume Control

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Discharge Accumulator	Greer Hydraulics	GHI-2983	N/A	S31208MW218	1978	0.00	Yes
Valve Stem	ABB Combustion Engineering	Heat 34962	N/A	RSO 0008-95, SA479 Gr. 304	N/A	Replacement	No

Description of Work:

The discharge pulsation dampener for charging pump S31208MP190 was disassembled for inspection. The bladder assembly was replaced. The assembly included the valve stem, which is a Code item.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2350 psig

(Applicable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 12/5/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1802

California

National Board, State, Province, and Endorsements

Date Calc. 7, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Safety Injection and Shutdown Cooling

MO: 95040418000

Rspec: 117-95, EREF-0179

P&ID: 40112CSO3 S3-1204-11 N-5:

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, No Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
2" Motor Operated Globe Valve	Target Rock	4	N/A	3HV9327	1977	***	Yes
Disc	Target Rock	37	N/A	RSO 0167-92, Part 203609-1	1992	Replacement	Yes

7. Description of Work:

The valve was disassembled for overhaul due to seat leakage. This required the removal of the body-to-bonnet seal weld. The valve disc was replaced and the body-to-bonnet joint was seal welded using weld record WR3-95-368. A final PT exam was performed on the completed weld with satisfactory results.

8. Tests Conducted: System Functional Pressure Test

Pressure: 975 psig

(Apputable Manufacturer's Data Reports to be attached)

CERTIFICATE OF	COMPLIANCE
We certify that the statements made in the report are correct and of the ASME Code, Section XI.	this replacement conforms to the rules repair or replacement
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A Expiration Signed: Supervising ASME Code Owner or Owner's Designee, Title	es Engineer Date: 12/7/95
CERTIFICATE OF I	NSPECTION
I, the undersigned holding a valid commission issued by the National the State or Province of California, and employed by Arkwright Waltham, Massachusetts have inspected the components described to 28,95, and state has performed examinations and taken corrective measures described to the ASME Code, Section XI.	t Mutual Insurance Company of ibed in this Owner's Report during the period that to the best of my knowledge and belief, the Owner
By signing this certificate, neither the Inspector nor his employer examinations and corrective measures described in this Owner's I employer shall be liable in any manner for any personal injury or connected with this inspection.	Report. Furthermore, neither the Inspector nor his
Bhowpen Commissions	1862 California
Inspector's Signature	National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company Owner:

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1

Unit: CWO:

95040859000

Plant:

2.

3.

5.

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

DCP: Repair Spec: 140-95 Rev. 0

ISI/C8

P&ID: N-5:

40141A \$3-1305-8

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

4. Identification of System:

Expiration Date:

N/A

(a)

Feedwater (1305)

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Pipe Spool	Pulimen	N-8941	N/A	Spool #3-FW-189-006	1980	Repaired	Yes

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

- Description of Work: ISI weld No. 03-045-360 (weld *BE*) on line S3-1305-ML-189 was flush ground to facilitate an In-Service (ISI) 7. ultrasonic examination. (Reference: FCN F-9520M, UT Report #395-08PUT-043, MT Report #395-08IMT-021).
- 8. Tests Conducted: None

Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 10/13, 19 95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 5/30/95 to 10/16/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date Of 16, 1995

As Required by the Provisions of the ASVE Code Section XI

Owner:

Plant:

2.

3.

5.

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Sheet 1 of 1 Unit:

CWO:

95040861000

San Onofre Nuclear Generating Station

DCP:

ISUC8 Repair Spec: 141-95 Rev. 0

San Clemente, CA 92674-0128

P&ID:

40141A

N-5:

S3-1305-7

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Tope Code Symbol Stamp:

N/A

Authorization No:

N/A

Identification of System:

Feedwater (1305)

Expiration Date:

N/A

Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None (a)

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Pipe Spool	Pullman	N-8940	N/A	Spool #3-FW-190-006	1978	Repaired	Yes

- Description of Work: ISI weld No. 03-044-010 (weld "BD") on line S3-1305-ML-190 was flush ground to facilitate an In-Service (ISI) 7. ultrasonic examination. (Reference: FCN 1-9521M, UT Report #395-08PUT-043, MT Report #395-08IMT-019).
- 8. Tests Conducted: None

Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Owner or Owner's Designee, Title

Supervising ASME Codes E: veer Date: 10/13, 19 95

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors at the State or Province of California and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the opponents described in this Owner's Report during the period 5/31/45 to 10/16/95, and state that to the best of knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any newer for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

(National Board, State, Province, and Endorsem nts)

Date Oct 16, 1995

As Required by the Permisions of the ASME Code SectionNI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

alnut Grove Avenue MO:

MO: 95050270000 Rspec: EREF-0035 P&ID: 40112ASO3 G-3

3

Unit:

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-34

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
4" Globe Stop Check Valve	Anchor/Darling	2N772	N/A	S31204MU012	1977	***	Yes
Disc	Anchor/Darling	7	N/A	RSO 0795-95, Part 306678	1995	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection. The disc was replaced with a new one-piece disc as allowed by drawing 408-1-6-112.

8. Tests Conducted: System Functional Pressure Test

Pressure: 925 psig

(Applicable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 12495 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date May 21, 1995

As Required by the Provisions of the ASME Code Section C

Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

MO: 95051298001

Unit:

Rspec: EREF-0391

2. Plant:

San Onofre Nuclear Generating Station

P&ID: 40141ESO3 F-7

San Clemente, California 92674-0128

N-5: S3-1301-2

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Main Steam

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Y-Type Globe Valve	Kerotest	AAE19-7	N/A	S31301MR795	1978	***	Yes
Disc	Kerotest	ADM29/AEE-8	N/A	RSO 6702-85, AMS5387 Stellite 6		Replacement	Yes

7. Description of Work:

The valve was disassembled for cleaning and inspection. The valve disc could not be reused and was replaced.

8. Tests Conducted: System Functional Pressure Test

Pressure: 996 psig

	(Applicable Manufacture's Data Reports are available on-site)
	CERTIFICATE OF COLDITANICE
	CERTIFICATE OF COMPLIANCE
We certify that the statemen of the ASME Code, Section	nts made in the report are correct and this replacement conforms to the rules repair or replacement
Type Code Symbol Stamp:	N/A
Certificate of Authorization	
Signed: Wygild	Supervising ASME Codes Engineer Date: 12/6/95
Owner or Owner's I	Designee, Title
CONTRACTOR A MATERIAL CONTRACTOR OF THE CONTRACT	
	CERTIFICATE OF INSPECTION
	CERTIFICATE OF INDIDECTION
	a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and
the State or Province of Cal	lifornia, and employed by Arkwright Mutual Insurance Company of
	have inspected the components described in this Owner's Report during the period
	o 12/7/95 , and state that to the best of my knowledge and belief, the Owner
	s and taken corrective measures described in this Owner's Report in accordance with the
requirements of the ASME	Code, Section AI.
By signing this certificate, n	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
By signing this certificate, n	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
By signing this certificate, nexaminations and corrective	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his
By signing this certificate, nexaminations and corrective employer shall be liable in a	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or
By signing this certificate, nexaminations and corrective employer shall be liable in a	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or
By signing this certificate, nexaminations and corrective employer shall be liable in a connected with this inspection	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion.
By signing this certificate, no examinations and corrective employer shall be liable in a connected with this inspection.	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion. Commissions 862 California
By signing this certificate, nexaminations and corrective employer shall be liable in a connected with this inspection	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion. Commissions 862 California
examinations and corrective employer shall be liable in a connected with this inspection	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion.
By signing this certificate, no examinations and corrective employer shall be liable in a connected with this inspection.	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion. Commissions 862 California
By signing this certificate, no examinations and corrective employer shall be liable in a connected with this inspection.	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion. Commissions 862 California
By signing this certificate, no examinations and corrective employer shall be liable in a connected with this inspection.	neither the Inspector nor his employer makes any warranty, expressed or implied, concerning to measures described in this Owner's Report. Furthermore, neither the Inspector nor his any manner for any personal injury or property damage or a loss of any kind arising from or ion. Commissions 862 California

As Required by the Provisions of the ASME Code Section NJ

1. Owner: Southern California Edison Company

The Art is treetable assessment as the entire in the contraction.

3. Work Performed by:

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 95051388000

Rspec: EREF-0367 P&ID: 40112DSO3 D 7

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1201-4

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

Southern California Edison Company

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1"x1" Nozzle-Type Relief Valve	Crosby Valve & Gage	N60060-00-0002	N/A	3PSV9387	1977	Replaced	Yes
1"x1" Nozzle-Type Relief Valve	Crosby Valve & Gage	N60060-00-0003	N/A	RSO 1216-93	1993	Replacement	Yes
5/8"-11x36" All Thread	Nova Machine Products	Heat 8099572	N/A	RSO 0943-95, SA193 B7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The relief valve in plant position 3PSV9387 was replaced due to evidence of boric acid leakage. The inlet flange studs were also replaced. Using GEN-139, four inlet flange studs were cut to 4* lengths from all-thread material, with the required markings being transferred to the cut pieces. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Pressure: 307 psig



 Remarks CR-2001-93 reconciles the replacement studs which were certified to ASME III-2, 1989 Edition, No Addenda.

Ida.
(Appelable Manufamurer a Data Reports to be estaclibed)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are conject and this of the ASME Code, Section XI.

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

THE TATE OF THE PARTY OF THE PA

Certificate of Authorization No: N/A

Expiration Date: N/A

igned: Supervising ASME Codes Engineer

Date: 12/7/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 12/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Que. 8, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

MO: 95061657000

FCN: F11069M Rspec: 157-95

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40134DSO3 S3-1212-19

Southern California Edison Company 3. Work Performed by:

2. Plant:

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Nuclear Plant Sampling

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III. Class 2, 1974 Edition, S'74 Addenda (Piping), 1971 Edition, S'73 Addenda (Valve), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Diam. Piping	Bechtel	3-SS-004-AL	N/A	S31212ML004		Repaired	***
3/4° Y-Type Globe Valve	Kerotest	VH12-11	N/A	S31212MU008	1978	Permanently Deleted	Yes
3/4" SW Pipe Cap	Capitol Pipe & Steel Products	Heat BK67	N/A	RSO 1885-84, SA182 F304	N/A	Replacement	No

7. Description of Work:

The pipe spool 3-SS-004-AL in the sample system flush line was modified in accordance with FCNs F11069 and F11070 to permanently remove isolation valve S31212MU008 and cap the line. Installation of the socket weld pipe cap and NDE was performed in accordance with weld record WR3-95-469.

8. Tests Conducted: System Functional Pressure Test

Pres: 506 psig

(Appacipie Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 12/7/95 Signed: Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham. Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date (18 8, 1995

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

MO: 95070703000 95090157000 Rspec: GEN-152 R2, GEN-150

P&ID: 40141ASO3

3

Unit:

N-5:

2. Plant: San Ono.

3. Work Performed by:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

1 -2. - . . .

Type Code Symbol Stamp: N/A

S3-1301-2

Authorization No:

Expiration Date:

N/A N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Southern California Edison Company

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	11182	N/A	S3ST016H703	1980	Replaced	No
Mechanical Snubber PSA 1-4	Pacific Scientific	25763	N/A	RSO 1704-86, 1801102-05	1986	Replacement	No
Load Pin	Pacific Scientific	Heat N2917B	N/A	RSO 0072-92, CR- 3006-95	N/A	Replacement	No

7. Description of Work:

The mechanical snubber was found to have internal damage while working MO 95070703 which replaced the load pin. The snubber was replaced using MC 95090157. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks The replacement snubber was certified to a higher code class, ASME III-1-NF, as allowed by ASME III, paragraph NCA-2134. CR-3006-95 reconciles the replacement load pin which was certified to ASME III-1-NF, 1980 Edition, S'82 Addenda.

(Applicable Manufacture: Data Reports to be stacked)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Signed Myllu Supervising ASME Codes Engineer Date: 11/14/95 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 11/16/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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

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.

Commissions

Commissions

National Board, State, Province, and Endorsements

examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his

Date May 16, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Unit: MO:

95070705000

Rspec: GEN-152 R2

P&ID: 40141ASO3 B-2

N-5: S3-1301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

Expiration Date:

N/A

4. Identification of System Main Steam

2. Plant:

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Stubber PSA 1-4	Pacific Scientific	3097	N/A	S3ST018H041	1978	***	Yes
Load Pin	Pacific Scientific	Heat N2917B	N/A	RSO 0072-92, CR-3006-95	N/A	Replacement	No

7. Description of Work:

The snubber load stud was replaced with a load pin for easier access and ALARA considerations. A VT-3 examination of the support assembly was performed after installation.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks CR-3006-95 reconciles the replacement load pin which was certified to ASME III-1-NF, 1980 Edition, S'82 Addenda. (Apparable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Owner or Owner's Designee, Title Date: 10/19/95 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/1/95 to 10/20/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions /862

National B California National Board, State, Province, and Endorsements Date Oct. 20. 1995

MO : 95070705000

As Required by the Provisions of the ASME Code SectionXC

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Unit: 3 MO:

P&ID: N/A

95070706000

Rosemead, California 91770

Rspec: GEN-151

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: N/A

Southern California Edison Company

Type Code Symbol Stamp: N/A

N/A

3. Work Performed by:

Authorization No: Expiration Date:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2 - 2 1/2	Pacific Scientific	9193	N/A	S3SI063H714	1980	***	No
Load Pin	Pacific Scientific	Heat N3199A	N/A	RSO 1212-93, SA564 Gr. 630	N/A	Replacement	No

7. Description of Work:

The snubber load stud was replaced with a load pin for easier access and ALARA considerations. A VT-3 examination of the support assembly was performed after installation.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks CR-3006-95 reconciles the replacement load pin which was certified to III-1-NF, 1980 Edition, S'82 Addenda. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Supervising ASME Codes Engineer Date: 10/20/95 Signed: 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 07/31/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 Inspector's Signature National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

MO: 95071200000

Rspec: 165-95 R1

2. Plant:

Work Performed by:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1204-32

P&ID: 40111ASO3 H-5

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda (Material), 1974 Edition W'74 Addenda (Installation), Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/Nr
1/2"x7/8"x1 3/8" Pipe Lugs (2)	Energy Steel	Heat 301045A	N/A	S3SI165H008, RSO 1240-95, SA240 Ty304	N/A	Replacement	No

7. Description of Work:

The piping immediately upstream of S31204MU152 was replaced during replacement of the valve using MO 93121777 and was documented on a separate NIS-2. The pipe lugs for support assembly S3SI165H008 were integrally welded to the removed pipe spool and could not be reused. Replacement pipe lugs were cut from plate material to the proper size and installed using MO 95071200 and weld record WR3-95-511.

8. Tests Conducted: N/A

Pressure: N/A

Date Glec. 6, 1995

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Supervising ASME Codes Engineer Date: 12/5/55 Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/3/95 to 12/6/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. For thermore, 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

2. Plant:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

Work Performed by:

San Clemente, California 92674-0128

Southern California Edison Company

4. Identification of System Safety Injection and Shutdown Cooling

Unit: 3

MO: 95071226000

Rspec: EREF-0202 P&ID: 40112ASO3 E-6

N-5: S3-1204-21

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1/2"x1/2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59371-00-0032	N/A	3PSV8156	1982	Replaced	Yes
1/2"x1/2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59371-00-0043	N/A	RSO 3171-92	1992	Replacement	Yes

7. Description of Work:

The relief valve in plant position 3PSV8156 was replaced due to improper operation during a recent IST. The removed valve was placed into the rebuild program.

8. Tests Conducted: System Functional Pressure Test

Fressure: 95% Level



(Appueatie Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/6/95 Supervising ASME Codes Engineer Signed: CERTIFICATE OF INSPECTION I, the this resigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company of Waltham: Massachusetts have inspected the components described in this Owner's Report during the period 7/30/95 to 12/7/95 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his royer 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. Commissions 1862 athampson Inspector's Signature National Board, State, Province, and Endorsements

Date (1)0.7, 19

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

3 Unit:

95071272000

Rspec: 169-95, EREF-0250

P&ID: 40123ASO3 E-6 N-5: S3-1201-3-9

2. Plant:

3. Work Performed by:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'73 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Southern California Edison Company

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
2" Y-Type Check Valve	Kerotest	ABR9-20	N/A	S31201MU021	1983	Replaced	Yes
Disc	Kerotest	AKF2-2	N/A	RSO 5866-85, Part 72615859	1985	Replacement	Yes
Cover (Bonnet)	Kerotest	AMM2-1	N/A	RSO 0437-86, SA479 316	N/A	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection due to seat leakage and operational difficulties. The body-to-bonnet seal weld was removed to allow replacement of the valve disc and bonnet. The body-to-bonnet joint was then seal-welded in accordance with weld record WR3-95-514. The final weld was PT examined with satisfactory results.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 431 F

Date May, 21, 1995

(Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Supervising ASME Codes Engineer Date: 11/21/95 Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/2/95 to 11/21/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code Section N

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit 3

MO: 95071274000

Rspec: 170-95, EREF-0249 P&ID: 40123ASO3 F-7

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1201-3-3

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III. Class 1, 1971 Edition, S'73 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
2* Y-Type Check Valve	Kerotest	MA2-9	N/A	S31201MU020	1980	***	Yes
Stem/Disc Assembly	Kerotest	AHG12-25	N/A	RSO 4426-85, 9911-55(1)-Z	1985	Replacement	Yes

7. Description of Work:

The valve was disassembled for rework in accordance with NCR 95070072, after failing closed during recent surveillance testing. This required the removal of the body-to-bonnet seal weld. The valve disc was replaced and the body-to-bonnet joint was seal welded using weld record WR3-95-515. A final PT exam was performed on the completed weld with satisfactory results.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 431 F

9. Remarks None.

(Applicable Manufacturer's Data Reports are available on-site)
CERTIFICATE OF COMPLIANCE
We certify that the statements made in the report are correct and this of the ASME Code, Section XI. replacement conforms to the rules repair or replacement
Type Code Symbol Stamp: N/A
Certificate of Authorization No: N/A Expiration Date: N/A Signed: Mulli-Supervising ASME Codes Engineer Date: 148/95 Owner or Owner's Designee, Title
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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.
Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date 1180.8, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770

Unit: 3 MO:

95071278001 Rspec: 168-95

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40189BSO3 D-3

N-5: SA-2301-2

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

N/A

4. Identification of System Fire Protection (Water)

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	& Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
4° Pow-R-Seal Gate Valve	WKM	507394	1647	3HV5686	1979	Repaired	Yes

7. Description of Work:

The valve was disassembled for inspection using MO 95031907. A small groove was found on the bonnet seating surface as described in NCR 9507007402. The bonnet seating surface was repaired by machining in accordance with the requirements of the NCR. A system pressure test was not required for this work scope.

8. Tests Conducted: N/A

Pressure: N/A

(Applicable Manufacturers Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: alleill Supervising ASME Codes Engineer Date: 12/5/95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 7/24/95 to 12/7/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date Que. 7, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

MO: 95071396000

Unit: 3

Rosemead, California 91770

Rspec: 171-95 P&ID: 40130DSO3 B-7

2. Plant: San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

S3-1201-14 N-5:

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3-Valve Manifold	******	Unknown	N/A	Upstream of 3PDT0121		Replaced	***
3-Valve Manifold	Gould, Inc.	13362	N/A	RSO 2073-84, SA182 F316, CR- 3012-95	1977	Replacement	Yes

Description of Work:

The 3-valve manifold upstream of instrument 3PDT0121 was replaced due to external boric acid leakage. The existing tubing was reused.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2265 psia

9. Remarks CR-3012-95 reconciles the replacement 3-valve manifold which was certified to ASME III-2, 1977 Edition, No Addenda.

No Addenda. (Applicable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Date: 12/9/95 Owner or Owner's Designee, Title Supervising ASME Codes Engineer Signed: 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/4/95 to 12/11/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Kennesson Commissions 1862 Inspector's Signature National Board, State, Province, and Endorsements

橡

Date (Dec. 11, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Unit: CWO: 95071689000 2244 Walnut Grove Avenue

Rspec: 172-95

Sheet 1 of 1

P.osemead, California 91770

P&ID: 40111BSO3 E-5

2. Plant: San Onofre Nuclear Generating Station San Clemente, California 92674-0128

S3-1201-2

Bechtel Construction Company 3. Work Performed by:

Type Code Symbol Stamp: N/A

Authorization No:

N/A

P. O. Box 450

Expiration Date:

N/A

San Clemente, CA 92674-0128

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced of Replacement	ASME Code Stamped Yes/No
3/4" Pipe Guide (P- 89-2)	N/A	N/A	N/A	S3-RC-PLT-H-001	N/A	Repaired	No

Description of Work:

The 3/4" P-89-2 pipe guide on pipe support S3-RC-PLT-H-001 for the instrument nozzle and condensing pot for 3PT-0101-1 was removed to facilitate nozzle replacement in the pressurizer. After the completion of nozzle welding, the existing pipe guide was reinstalled per drawing S3-RC-PLT-H-001. A VT-3 examination was performed after installation.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/18/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

____Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

3 Unit: CWO: 95071698000 Rspec: 174-95

Shert Lot 1

2. Plant: San Onofre Nuclear Generating Station P&ID: 40111BSO3 F-5 S3-1201-2 N-5:

Type Code Symbol Stamp: N/A Authorization No:

San Clemente, California 92674-0128

N/A Expiration Date:

3. Work Performed by: Bechtel Construction Company

P. O. Box 450

San Clemente, CA 92674-0128

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Pipe Guide (P- 89-2)	N/A	N/A	N/A	S3-RC-PLT-H-003	N/A	Repaired	No

7. Description of Work

The 3/4" P-89-2 pipe guide on pipe support S3-RC-PLT-H-003 for the instrument nozzle and condensing pot for 3PT-0101-3 was removed to facilitate nozzle replacement in the pressurizer. After the completion of nozzle welding, it was reinstalled per FCN F11483M using the existing pipe guide, pipe support, and a new splice plate (non-ASME). A VT-3 examination was performed after installation.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/18/95 Supervising ASME Codes Engineer 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 and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/2/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 Cothennoson California National Board, State, Province, and Endorsements Inspector's Signature

Date Det. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Unit: 3

MO:

95071738000

Rspec: GEN-150

P&ID: 40141ASO3

N-5:

S3-1301-1

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Main Steam

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Starnped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	8806	N/A	S3ST014H756	1979	Replaced	No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	38641	N/A	RSO 2179-91, 1801104-05	1991	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks The replacement snubber was certified to a higher code class, ASME III-1-NF, as allowed by ASME III, paragraph NCA-2134. (Appacable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A al Heill Supervising ASME Codes Engineer Date: 10/16/95 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770 Unit: 3

95071739000 MO: Rspec: GEN-150

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5:

P&ID: 40141DSO3 S3-1301-1

Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

Expiration Date:

N/A

4. Ider fication of System Main Steam

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: 1644-7

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Correponent	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	13901	N/A	S3ST610H002	1980	Replaced	No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	38657	N/A	RSO 2181-91, 1801104-05	1991	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks The replacement snubber was certified to a higher code class, ASME III-1-NF, as allowed by ASME III, paragraph NCA-2134. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed: Supervising ASME Codes Engineer Date: 10/16/95 Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/4/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

3

Rspec: GEN-150 P&ID: 40111BSO3 A-4

N-5: S3-1212-6

95080046000

Unit:

MO:

Authorization No: Expiration Date:

N/A

4. Identification of System Nuclear Plant Sampling

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4-4	Pacific Scientific	38638	N/A	S3SS042H010	1991	Replaced	No
Mechanical Snubber PSA 1/4-4	Pacific Scientific	38706	N/A	RSO 1081-92, 1801104-05	1992	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks The replacement snubber was certified to a higher code class, ASME III-1-NF, as allowed by ASME III, paragraph NCA-2134.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/16/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 34/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

2. Plant:

Southern

mia Edison Company

2244 Waln лоve Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

3

Rspec: GEN-152 R2 P&ID: 40141FSO3

95080217001

S3-1301-1

Unit:

MO:

N-5:

Authorization No:

NA

Expiration Date:

N/A

4. Identification of System Main Steam

5. (a) Applicable Construction Code: ASME Section III. Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
40 7/16" Rigid Strut	Lisega	S3-ST-001-H-065	N/A	S3ST001H065	N/A	***	No
Load Pin	Pacific Scientific	Heat N2917B	N/A	RSO 0072-92, CR- 3006-95	N/A	Replacement	No

7. Description of Work:

The pipe clamp was misaligned which damaged the load pin. The load pin was replaced and a VT-3 examination was performed on the support assembly.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks CR-3006-95 reconciles the replacement load pin which was certified to ASME III-1, 1980 Edition, S'82 Addenda (Applicable Manufacturers Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules repair or replacement of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Date: 11/14/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period to 11/16/95 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions 1862 California National Board, State, Province, and Endorsements Inspector's Signature

Date May. 16, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Welding Services Inc.

Southern California Edison Impany

Unit:

MO: 95080387000, WSI Travelers

FCN: F11444M-F11459M, F11465M-F11468M

Rspec: N/A

P&ID: 40111ASO3

S3-1201-2 N-5:

Type Code Symbol Stamp: NR

Authorization No:

Expiration Date:

11/7/95

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: N474-1

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Add and 1992 Ed. No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Pressurizer Vessel	Combustion Engineering	CE70603	21496	S31201ME087	1977	Repaired	Yes
Steam Space Instrument Nozzle @ 0 Deg.	Welding Services Inc.	35060004-1	N/A	RSO 1425-95, SB166 NO6690	1995	Replacement	Yes
Steam Space Instrument Nozzle @ 180 Deg.	Welding Services Inc.	35060004-2	N/A	RSO 1425-95, SB166 NO6690	1995	Replacement	Yes
Steam Space Instrument Nozzle @ 195 Deg.	Welding Services Inc.	35060004-3	N/A	RSO 1425-95, SB166 NO6690	1995	Replacement	Yes
Steam Space Instrument Nozzle @ 345 Deg.	Welding Services Inc.	35060004-4	N/A	RSO 1425-95, SB166 NO6690	1995	Replacement	Yes

7. Description of Work:

Existing ENiCrFe-3 weld butter was machined from J-weld preps in all four locations and replaced with Inconel 52 using the temperbead wolding technique in accordance with ASME XI, IWA-4500, 1992 Edition, No Addenda. New nozzles were then welded in using Inconel 52 weld filler. All work was performed by Welding Services, Inc. under their National Board "NR" Program and is documented on the attached NR-1 Data Report. The VT-2 and system pressure test was performed in accordance with ASME Section XI, 1989 Edition, No Addenda by SCE.

8. Tests Conducted: System Leakage Pressure Test

Pres: 2250 psia

Temp: 430 F

-	-	4.00
0	Remarks	None.
2.	LANGE LO	TAONE.

(Applicable Manufacturer's Data Reports to be atta

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

repair and replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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 and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/2/95 to 1/27/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Mov. 27, 1995

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 2

	by Welding	DEL ATCED TH	corperated				35060
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Owner Son	uthern Cali	fornia Ediso	n Company				
San	n Clemente,	California	92674 (name)				
Name, address and	identification of n	uclear power plant_ California	San Onofre	Nuclear Ge	nerating S	tation Un	it 3
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b: Name of manufaction of the billion cturer Comb		eering, Inc.	/A	N/A		1977	
d: Construction Cod	(mir.'s serial no.)	(Narl Bd. No.)		unsdictional no.)	-	ther)	(year built)
Section XI 198	(edition	n)	(addenda)		(Code Case)	n N/A	(Code Class)
Accommodated to	(edition)	THE RESERVE AND PERSONS ASSESSED AND ASSESSED ASSESSED.	(addend	a)	Management of the Control of the Con	(Code Case	(4))
Applicable edition of	ASME Code Sec	tion XI under which	repairs, modification	ns, or replacemen	nts were made:		
Applicable edition of		lding per 199					ddenda) Code Caseli S 171 N474-1
					Code	trans demandershipsoneries	(addenda) (Code Case)
Design responsibili	ties Southe	ern Californ	ia Edison Co	mpany			
Tests conducted: h	ydrostatic D pn	eumatic [] design	pressure [] pres	sure	_psi None (t	o be per	formed by owner
Description of wo	rk Replaceme				CONTRACTOR OF STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET, STREET,	ete remov	val of
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Wel Remarks: Rep mat We certify that the sta Section XI of the ASM Certificate of Authoriza	ding technical data data data data data data data da	this report are correlational Board rules	CERTIFICATE OF Cott and the repair, mas defined in the potential to use the "NR" st	OMPLIANCE odification or republication NB-102 amp expires	plemental polacement of the coursent edition.	items describe	r replacement
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Wel Remarks: Rep mat We certify that the sta Section XI of the ASM Certificate of Authoriza Date 9-16 the undersigned, ho ssued by the state or or NOTWOOd*have less of my knowledge soard rules as defined expressed or implied,	tements made in E Code and the Nation no. 19,95. Signed Iding a valid comprovince of Calinspected the reputant belief, this replied to the publication concerning the re-	this report are correlational Board rules 69 Welding Ser Welding Ser in the series of	CERTIFICATE OF Control of the Mational Board of and employed be eplacement describition. By signing the replacement describition.	OMPLIANCE odification or republication NB-102 amp expires oerated (a) NSPECTION If Boiler and Press y Arkwright e in this report of the continuous of	plemental polacement of the coursent edition. 11/7 Cagasuthorized represental source Vessel Inspection of the course with Section there the inspector of the Furthermore.	ectors, and cers. Co. (Fair 1995)	r replacement ad above conforms to At MAN AGER (IIIIe) tificate of competency ctory Mutual** and state that to the ME Code and the National year makes any warranty
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We certify that the state of Authorizate of Authorizate of Authorizate of Norwood*have best of my knowledge Board rules as defined expressed or implied,	tements made in E Code and the Nation no. 19,95. Signed Iding a valid comprovince of Callinspected the representation of the publication concerning the remanner for any pe	this report are correlational Board rules 69 Welding Ser Welding Ser in NB-102, current edipair, modification or NB-102, current edipair, modification or resonal injury or propries and pair, modification or resonal injury or propries.	CERTIFICATE OF Control of the National Board of and employed be eplacement describerty damage or a feet of the National Board of and employed be eplacement describerty damage or a feet of the National Board of and employed be eplacement describerty damage or a feet of the National Board of the National Board of and employed be eplacement describerty damage or a feet of the National Board of th	OMPLIANCE odification or republication NB-102 amp expires perated (a) NSPECTION I Boiler and Pres y Arkwright e in this report of the control of the con	placement of the course testing from or conscious NB8024,	ectors, and cens. Co. (Fairely) actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, and actors, a	r replacement ad above conforms to At MAN AGER (IIIIe) tificate of competency ctory Mutual** and state that to the ME Code and the National typer makes any warranty prector nor his employer his inspection.

SUPPLEMENT TO NR-1 DATA REPORT

REPAIR REFERENCE DATA

Nozzle	WSI Tr	avelers	Replacement	NCRs
Location	Temperbead	Nozzle Replacement	Nozzle	
0.8	35060050	35060007	S/N 35060004-1 (RSO-1425-95) SB-166-N06690 FCN F-11553M	(WSI) 95-018 (WSI) 95-019 (WSI) 95-020 (SCE) 95080185 (SCE) 95080227
180°	35060051	35060006	S/N 35060004-2 (RSO-1425-95) SB-166-N06690 FCN F-11553M	(WSI) 95-016 (WSI) 95-020 (SCE) 95080117 (SCE) 95080227
195°	35060052	35060001	S/N 35060004-3 (RSO-1425-95) SB-166-N06690 FCN F-11553M	(WSI) 95-015 (WSI) 95-017 (WSI) 95-020 (SCE) 95080117 (SCE) 95080119 (SCE) 95080227
345°	35060053	35060008	S/N 35060004-4 (RSO-1425-95) SB-166-N06690 FCN F-11553M	(WSI) 95-019 (WSI) 95-021 (SCE) 95080117 (SCE) 95080185 (SCE) 95080228

Notes

- 1. Temperbead weld repairs were performed on the nozzle J-preps of the vessel to replace the existing ENiCrFe-3 F43 butter with INCONEL 52 weld material. ASME Section XI, IWA-4500, 1992 edition, no addenda was used for the temperbead welding.
- 2. The preheat and postweld heating for the temperbead welding was performed by Cooperheat using their procedure #81296-CHP-021-001.
- 3. INCONEL 52 was also used for the vessel to nozzle installation weld.

WSI Representative Tan Q Cogger 9-14-95

PZR_SUP.NR1

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit:

MO: 95080387000, WSI Travelers

Rspec: N/A

2 Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40111ASO3

N-5: S3-1201-3-7

3. Work Performed by:

Welding Services Inc.

Southern California Edison Company

Type Code Symbol Stamp: NR

Authorization No:

4. Identification of System Reactor Coolant

Expiration Date:

11/7/95

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, S'71 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda, Code Case N416-1

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Pressurizer Instrument Piping @ 0 Deg.	Bechtel	N/A	N/A	S31201ML312	N/A	Replaced	No
Pressurizer Instrument Piping @ 180 Deg.	Bechtel	N/A	N/A	S31201ML311	N/A	Replaced	No
Pressurizer Instrument Piping @ 195 Deg.	Bechtel	N/A	N/A	S31201ML313	N/A	Replaced	No
Pressurizer Instrument Piping @ 345 Deg.	Bechtel	N/A	N/A	S31201ML314	N/A	Replaced	No

Description of Work:

Following replacement of all four Steam Space Instrument Nozzles, the downstream piping was reinstalled. The work was performed by Welding Services Inc. under their National Board "NR" Program and is documented on the attached NR-1 Data Report. Replacement materials used are documented on the NR-1.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 431 F

(Applicable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: al Stailer Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/15/95 to 11/21/95 and state that to the best of my knowledge and belief, the Owner

has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature Commissions 1862

California

National Board, State, Province, and Endorsements

Date Mov. 21, 1995-

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Page 1 of 2

Work performed by Welding Services Incorperated 35060 (reper organization's P. O. no. job. no.,etc.) 30071 2225 Skyland Court, Norcross, Georgia (address) Southern California Edison Company (name) San Clemente, California 92674 (address) San Onofre Nuclear Generating Station Unit 3 Name, address and identification of nuclear power plant San Clemente, California 92674 Reactor Coolant System (1201) Piping (See Supplement Sheet) 5. a: Component repaired, modified or replaced b: Name of manufacturer N/A N/A N/A N/A N/A c: Identifying nos. (Nat'L Bd. No.) (jurisdictional no.) (other) (year built) (mfr.'s serial no.) and 2 1974 S1974 d: Construction Code (Code Class) (addenda) (Code Case(s)) 1989 N/A 6. Section XI (edition) (addenda) (Code Case(s)) Applicable edition of ASME Code Section XI under which repairs, modifications, or replacements were made: (Code Case(s)) Applicable edition of Construction Code under which repairs, modifications, or replacements were made: III N/A Except as noted on supplementary pages. (edition) (addenda) (Code Case(si) 9. Design responsibilities Southern California Edison Company psi None (to be performed by owner) 10. Tests conducted: hydrostatic [] pneumatic [] desigr. pressure [] pressure Description of work Piping subassemblies were reattached to the pressurizer instrument (use of additional sheet(s) or sketch(es) is acceptable if properly identified) nozzles after replacement of same. Some items on the piping subassemblies (pipe fittings and NPT stamped flex hoses) were replaced prior to installation. ER308L Filler material supplied by owner. All replacement items supplied by 12. Remarks: See supplement page 2 for replacement material data and implementing. owner. CERTIFICATE OF COMPLIANCE We certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. , 1995 to use the "NR" stamp expires Certificate of Authorization no. Signed Welding Services, Incorperated SITE OF MANAGER (repair organization) CERTIFICATE OF INSPECTION I, the undersigned, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors, and certificate of competency issued by the state or province of CALIFORNIA and employed by ARKWRIGHT MUTUAL INSURANCE CO. * of NORWOOD, MA have inspected the repair, modification or replacement describe in this report on September 13, 1995 and state that to the best of my knowledge and belief, this repair, modification or replacement has been made in accordance with Section XI of the ASME Code and the National Board rules as defined in the publication NB-102, current edition. By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the regair, modification or replacement described in this report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any pelsonal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 2014. 13 1995. Signed Buruta D. Baston Commissions CA 1574 "N" I" Commissions (Authorized inspector) (Natl.Bd.No.(including endorsements)state or province and number)

SUPPLEMENT TO NR-1 DATA REPORT

REPAIR REFERENCE DATA

WSI Traveler	Vessel Nozzle	System Line Number	Replacement Materials			
35060019	0.	S31201ML312	2 X 3/4, Eccen BW Red, sch 160, SA403-WP316, RSO-1285-95, ht# 227XNA, Code Class 1			
			Flexhose (NPT), SA479-304/SB446- N06625, RSO-1049-93, S/N 004, Code Class 2			
35060018	180°	S31201ML311	2 X 3/4, Eccen BW Red, sch 160, SA403-WP316, RSO-1285-95, ht# 227XNA, Code Class 1			
			Flexhose (NPT), SA479-304/SB446 N06625, RSO-1456-93, S/N 009, Code Class 2			
35060005	195°	S31201ML313	2 X 3/4, Eccen BW Red, sch 160, SA403-WP316, RSO-1285-95, ht# 227XNA, Code Class 1			
			Flexhose (NPT), SA479-304/SE44 N06625, RSO-1049-93, S/N 006, Code Class 2			
35060017	345°	S31201ML314	2 X 3/4, Eccen BW Red, sch 160, SA403-WF316, RSO-1285-95, ht# 227/NA, Code Class 1			
			Flexhose (NPT), SA:79-304/SB446- N06625, RSO-1049-93, S/N 005, Code Class 2			
			3/4 6000# SW coupling, SA403- WP316, RSO 0731-93, heat code EPM, Code Class 2			

NOTES

1. At the Owner's request, the NDE for the 2" buttwelds was performed in accordance with ASME III, NB-5000, 1992 edition, No addenda.

WSI	Representative: _	Tan Dagen	9-13-95	SITE GA MANAGER
	0			
ANII	: Doward ?	Vaston 9/13/95		

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 95080440000

Rspec: 185-95, GEN-139 R1 P&ID: 40130BSO3 G-4

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1201-14

3. Work Performed by: Southern California Edison Company

2. Plant:

Type Code Symbol Stamp: N/A N/A

Authorization No:

4. Identification of System Reactor Coolant

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Piping	Bechtel	***	N/A	S31201ML156		***	***
3/4"-10 Heavy Hex Nuts (8)	Vitco, Inc.	Heat 108	N/A	RSO 0572-95, SA194 2H	N/A	Replacement	No
3/4"-10-36" All Thread	Cardinal Industrial Products	Ht Code H6	N/A	RSO 0824-93, SA193 B7	N/A	Replacement	No

7. Description of Work:

Due to boric acid leakage at the flanged connection directly below 3P004, the flange bolting was replaced. Four study were cut to 4 1/2" lengths from all-thread material in accordance with GEN-139, with the required markings being transferred to the cut pieces.

8. Tests Conducted: System Functional Pressure Test.

Pressure: 2250 psia

9. Remarks None.

(Applicable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF C	COMPLIANCE
We certify that the statements made in the report are correct and the of the ASME Code, Section XI.	replacement conforms to the rules repair or replacement
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A Expiration I	
Signed:Supervising ASME Codes Owner or Owner's Designee, Title	Engineer Date: 12/7/95
CERTIFICATE OF IN	SPECTION
I, the undersigned holding a valid commission issued by the Nation the State or Province of California, and employed by Arkwright I Waltham, Massachusetts have inspected the components describ to 1819, and state that performed examinations and taken corrective measures describ requirements of the ASME Code, Section XI.	Mutual Insurance Company of ed in this Owner's Report during the period hat to the best of my knowledge and belief, the Owner
By signing this certificate, neither the Inspector nor his employer mexaminations and corrective measures described in this Owner's Reemployer shall be liable in any manner for any personal injury or preconnected with this inspection.	port. Furthermore, neither the Inspector nor his

Commissions _

California

National Board, State, Province, and Endorsements

Date Sec. 8, 1995

Inspector's Signature

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Rosemead, California 91770

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

4. Identification of System Containment Spray

Unit: 3

MO: 95080452000

Rspec: 183-95 R1, GEN-139 R1

P&ID: 401114SO3 N-5: S3-1206-1

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition. S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
7/8"-9x36" All Thread (3 each)	Nova Machine Products	Heat 88724	N/A	RSO 0077-95, SA193 B7	N/A	Replacement	No
7/8"-9 Heavy Hex Nuts (24 each)	Cardinal Industrial Products	Ht Code H2	N/A	RSO 0751-93, SA194 2H	N/A	Replacement	No

7. Description of Work:

2. Plant:

The flange bolting at flow element 3FE0348 did not have the proper thread engagement and was replaced. Twelve studs were cut to 6 3/4" lengths from all-thread material in accordance with GEN-139, with the required markings being transferred to the cut pieces.

8. Tests Conducted: System Functional Pressure Test

Pressure: 494 psig

9. Remarks CR-2001-93 reconciles the all-thread which was certified to ASME III-2, 1989 Edition, No Addenda.

(Appucable Manufacturer's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Formeer
Owner's Designee, Title

Date: 12/8/95

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid con mission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>California</u>, and employed by <u>Arkwright Mutual Insurance Company</u> of <u>Waltham, Massachusetts</u> have inspected the components described in this Owner's Report during the period

has performed examinations and taken corrective measures described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

_Commissions 1862

California

National Board, State, Province, and Endorsements

Date Dec. 8, 1995

As Required by the Provisions of the ASME Code Section Of

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue Rosemead, California 91770

FCN: F11527M

3

Unit:

MO:

2. Plant:

Rspec: 190-95, GEN-139

San Onofre Nuclear Generating Station

P&ID: 40123BSO3 C-6

95080876000

San Clemente, California 92674-0128

S3-1208-4 N-5:

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: NA

4. Identification of System Chemical and Volume Control

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Letdown Heat Exchanger	Ametec Inc.	78828	10783	S31208ME062	1977		Yes
1"-8 Heavy Hex Nuts (28)	Cardinal Industrial Products	Ht Code E1	N/A	RSO 2366-92, SA194 2H, CR- 2001-93	N/A	Replacement	No
1"-8 Heavy Hex Nuts (17)	Vitco Nuclear Products	Heat 6019432	N/A	RSO 3049-93, SA194 2H	N/A	Replacement	No
1"-8 Heavy Hex Nuts (11)	Cardinal Industrial Products	Ht Code E1	N/A	RSO 1517-93, SA194 2H, CR- 2001-93	N/A	Replacement	No
1"-8x36" All Thread (5)	fachine (s	Heat 8867312, Lot 34170009	N/A	RSO 2276-93, SA193 B7, CR- 2001-93	N/A	Replacement	No
1"-8x36" All Thread (3)	Nova Machine Products	8090323	N/A	RSO 2064-93, SA153 B7, CR- 2001-93	N/A	Replacement	No
1"-8x36" All Thread (2)	Cardinal Industrial Products	Ht Code G-4	N/A	RSO 1138-93, SA193 B7, CR- 2001-93	N/A	Replacement	No

7. Description of Work:

The letdown heat exchanger manway cover studs and nuts were replaced in accordance with FCN F11527M. This allowed the use of non-nickle plated bolting material. Twenty-eight studs were cut to 8 1/2" lengths from all-thread material in accordance with GEN-139, with the required markings being transferred to the cut pieces.

8. Tests Conducted: System Functional Pressure Test

Pres: 316 psig

9. Remarks CR-2001-93 reconciles the replacement studs and nuts which were certified to ASME III-2, 1974 Edition, S'74 Addenda. L'applicable Manufacturer's Data Reports are available on-site) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A - Supervising ASME Codes Engineer Date: 12/8/95 Signed: 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/25/95 to 12/8/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Commissions Inspector's Signature National Board, State, Province, and Endorsements

As Required by the Provisions of the ASME Code SectionXI

1. Owner:

2. Plant:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by: Southern California Edison Company

Unit: 3

MO: 95080898000

Rspec: GEN-150

P&ID: 40113ASO3

N-5:

S3-1301-1

Type Code Symbol Stamp: N/A Authorization No:

Expiration Date:

N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Ar-plicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	15553	N/A	S3SI063H712	1980	Replaced	No
Mechanical Snubber PSA 1/4 - 4	Pacific Scientific	38683	N/A	RSO 0522-92, 1801104-05	1992	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A



(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period has performed examinations and taken corrective measures described in this Owner's 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be hable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions 1862 California

National Board, State, Province, and Endorsements

Date Ort 23, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

Unit: 3 2244 Walnut Grove Avenue MO: 95081076000 Rosemead, California 91770 Rspec: GEN-150

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

P&ID: 40112CSO3 N-5: S3-1204-32

3. Work Performed by: Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No: N/A

4. Identification of System Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	3118	N/A	S3SI165H006	1978	Replaced	Yes
Mechanical Snubber PSA 1-4	Pacific Scientific	25766	N/A	RSO 1704-86, 1801102-05	1986	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer

Date: 10/20/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period OB/16/95 to 10/23/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 23 1995

As Required by the Provisions of the ASME Code Section XI

Owner.

3.

Plant:

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station

P.O. Box 128, San Clemente, CA 92674-0128

Work Performed by:

Southern California Edison Company

Welding Services, Inc.

4. Identification of System: Reactor Coolant (1201) Sheet 1 of 1

Unit:

MO: 95081091, WSI Travelers

RS:

194-95

P&ID:

40111ASO3 E-3/E-4

N-5:

\$3-1201-3

Type Code Symbol Stamp: Authorization No:

See Block 7 See Block 7

See Block 7

Expiration Date:

5. (a) Applicable Construction Code:

ASME Section III, Class 1, 1971 Edition, S'72 Addenda, Code Case: N474-1 ASME Section III, Class 1, 1974 Edition, S'74 Addenda, Code Case: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Bar Stock for RTD Nozzle	ABB-Combustion Engineering	Ht Code J-9054	N/A	RSO 1357-95, SB166 NO6690	N/A	Replacement	No
RTD Thermowell	Combustion Engineering	Heat NX9912	N/A	RSO 2-P-2149-83, SB166 NO668, Part 89-287-1	N/A	Replacement	No
PDT Nozzie	Welding Services, Inc.	35060010-2	N/A	RSO 1336-95, SB166 NO6690, SA479 316L	N/A	Replacement	Yes

Description of Work:

Work Operation	Initiating Document	Implementing Document	Governing Code Program
	RTD No	ozzle, 3TE-0122-1	
Replacement RTD nozzle fabricated by SCE Maintenance	SO23-923-19, DCN #3, Repair Spec 194-95	ASME MO 95081091	SCE ASME Section XI R/R Program
RTD nozzle and new thermowell (both supplied by SCE), installed by Welding Services Inc.	FCN F11542M	WSI Work Traveler 35060015; CWO 95080130 (non-ASME ref. only)	WSI National Board "NR" program, Certificate of Authorization No. 69, expires 11/7/95
	PDT No.	zzie, 3PDT-0979-4	
Replacement PDT nozzle fabricated off-site by Welding Services Inc.	FCN F11465M	SCE PO 6M275007	WSI NPT Certificate of Authorization No. N-2873, expires 11/13/95
PDT nozzle installed by Welding Services Inc.	FCN F11465M	WSI Work Traveler 35060016; CWO 95080128 (non-ASME ref. only)	WSI National Board Repair program, Certificate of Authorization No. 69, expires 11/7/95

Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psig Temp: 430° F

9.	Remarks:	None.

(Applicable Mariufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 11/21 19 95 Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period \$\frac{\mathcal{L}}{15} \frac{\sqrt{95}}{195} \tag{to } \frac{1\left(\sqrt{21}\sqrt{95}\right)}{100} \tag{and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's _ and state that to 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal incury or property damage or a kes of any kind arising from or connected with this inspection.

hompson Inspector's Signature

Commissions 1862 California
(National Board, State, Province, and Endorsements)

Date May 21, 1995

FORM NR-1 REPORT OF REPAIR ☐ MODIFICATION ☐ OR INSTALLATION OF REPLACEMENT(S) ☑ TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

Sheet 1 of 2

Nork t	performed by	Welding Services,	Inc.			35060
		yland Court, Norcro	oss, Georgia	30071	(repai	ir organization's P. O. no. job. no.,etc.
2. Owner	Southern	n California Edison	CO. [address)		
	San Cler	mente, California 9	2672 (name)			
3. Name, a		ification of nuclear power plant	NAME AND ADDRESS OF THE OWNER, ADDRESS OF TH	Nuclear Gene	erating Station	Unit 3
-	CONTRACTOR OF THE PARTY OF THE	ente, California 92 ng (line no. S3-120	THE PARTY AND PARTY OF THE PART			
4. Sy. 'err		odified or replaced Instru		(3TF-0122-1)	AND AND ADDRESS OF THE AREA OF THE	
		Combustion Engin		()16 ()166 1)		
	ying nos. 503-	A CONTRACTOR OF THE PARTY OF TH	ICCLAIIE	N/A	N/A	1977
	(mle,'s	s seriel no.) (Net'l Bd. No.) Sect. III 71	s '72 6	urisdictional no.)	N/A (other)	(year built)
	201011 00011	N/A	(addenda) N/A	Andreas Principles Services Principles Services	(Code Case(s)) N/A	(Code Class)
S. Section)	(1		***************************************		And believe to the Control of the Co	Case(s))
		(edition)	(addens			No N/A
. Applicab	le edition of ASM	E Code Section XI under which	h repairs, modificatio	ns, or isolacements		
					(edition)	(addends) (Code Case)
Applicab	le edition of Cons	struction Code under which rep	pairs, modifications, o	or replacements wer	e made: See Supp	lement Sheet N/A
	A second second				(Code) (edition	
Maratan		Southern Californ	ia Edison Com	npany	(9444)	
					See Remarks	
). Tests co	nducted: hydrost	tatic D pneumatic D desig	n pressure U pres			
escript	ion of work K	Replace RTD Nozzle	and Thermowel	1 per W51 1r	aveler	
			of sheet(s) or saeich(os) is e			
	35060015	Rev. O & Rev. 1 an	d SCE CWO 95	080130000.	This report co	nsists of (2)
	two sheet	s.				
Bernarks	Pressure	test to be perform	ed by owner.			
	NAME AND POST OF THE PARTY OF T				***************************************	*
-						
	-					
				HONORE WILLIAM SERVICE STREET		THE PERSON NAMED IN COLUMN TWO IS NOT THE OWNER.
			CERTIFICATE OF	COMPLIANCE		
We certify	that the statemen	nts made in this report are corn	rect and the repair, n	nodification or replac	coment of the items des	cribed above conforms to
		de and the National Board rule	s as defined in the p	ublication NB-102, c	urrent edition.	
Certificate	of Authorization r	10. 69	to use the "NR" s	tamp expires 11	-7 . 19 95	
	0-11 0	E Maldina C	eruicae Tecor	nararad T	000	- 00 410-10
Date	9-11 19.9	5. Signed Welding Si	ervices Incor	AND REAL PROPERTY AND PERSONS ASSESSED.	The state of the s	SITE QA MANAGER
			(repair organization)	(aut)	norized representative)	(III)e)
			CERTIFICATE OF	NSPECTION		
		a valid commission issued by	The National Board	of Boiler and Pressu	re Vessel Inspectors, an	s conflicate of competency
issued by	the state or provi	nce of <u>OALIFORNIA</u> cted the repair, modification or	and employed t	Y AKKWEIGHT A	PUTUAL INSURAN	OF and state that in the
best of my	knowledge and h	cled the repair, modification of pelief, this repair, modification of	replacement descrit	en made in accorda	nce with Section XI of the	ASMF Code and the Nation
Board cule	knowledge and b	e publication NB-102, current	replacement has be	en made in accorda	the Inspector not his e	molovor makes any warranti
expressed	or implied coocs	erning the repair, modification	or replacement desc	ribed in this report	Furthermore neither th	e Inspector nor his employer
shall be lie	ble in any manne	er for any personal injury or pre	operty damage or a l	oss of any kind arisi	ing from or connected w	with this inspection.
		01	openy carriage or a r	wer with mine aris	The state of some of the state	
-ale 50	pt. 15 100	5. Signed Charles	(1) Thomas	Ma Commission	ns CA 1862, NB8	024 "N" "T"
Mary Control	the same of the same		Authorized Inspector)			ments) state or province and number)
THE STATE OF THE S			- Distriction inspector)		promise pricipality endorse	The state of the s

SUPPLEMENT TO NR-1 DATA REPORT

WELD IDENTIFIER CROSS REFERENCE

Plant Tag No.	SCR	WSI Traveler	Description & Code, Class, Ed/Add	WSI Weld I.D.	*SCR Weld I.D.
3PDT0979-4	FCN F- 11465M	35060016	3/4 pipe to nozzle socketweld; III-1, '74 S'74	FW-R-004	. SL
			nozzle to RCS Loop J-groove fillet; III-1, '71, S'72	FW-R-005	N

Notes

- 1. Weld areas for WSI Welds FW-R-002 and FW-R-005 were preheated to 200°F minimum by Cooperheat using their procedure #81296-CHP-021-002. Thermocouples were attached to the RCS Loop Pipe by Capacitor Discharge Welding. The thermocouples were removed, attachment areas ground flush and PT examined. Reference WSI Inspection Reports SCE-95-037 and WSI-NDE-95-011.
- 2. The replacement nozzle for 3PDT-0979-4 was fabricated by WSI under their ASME III N-Certificate and NPT stamped. The nozzle serial number is 35060010-2. SCE receipt inspection of the nozzle is documented on RSO-1336-95.

WSI Representative D. Cogar 9/11/95

^{*}Per SCE document FCN F-11468M

FORM NR-1 REPORT OF REPAIR [] MODIFICATION [] OR INSTALLATION OF REPLACEMENT(S) [] TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS Sheet 1 of 2

Dork performed by Welding Services, In	/ C +			35060
2225 Skyland Court, Norce	oss, Georgia 30	071	frepau	organization's P. O. no. job. no.,etc
wner Southern California Ediso	n Company			
San Clemente, California	92674 (name)			
Name, address and identification of nuclear power plant_ San Clemente, California	San Onofre Nucl	ear Generati	ng Station	Unit 3
200 21-1 /21 02 1				
a: Component repaired, modified or replaced Instrum		-0979-4)	AND RESIDENCE AND ASSESSMENT OF THE PARTY OF	
b: Name of manufacturer Combustion Engr.		a said the hands are an in the said to be a		
c: Identifying nos. 503-03 N/A	N/A		N/A	1977
d: Construction Code Sect. III '71	S 172	nal no.) N/A	(other)	from builty
(edition)	(eddenda) N/A	(Coo.	Case(3))	(Code Class) N/A
Section XI N/A (edition)	(addende)			Case(s))
Design responsibilities Southern Californ Tests conducted: hydrostatic D pneumatic D design			Persele	
escription of work Replace PDT Nozzle pe (use of additional and SCE CMO 95080128000	r WSI Traveler shoot(s) or shotch(os) is acceptable. This report of	35060016 Ren	7. 0	ets.
escription of work Replace PDT Nozzle pe (use of additional and SCE CWO 95080128000	r WSI Traveler shoot(s) or shotch(os) is acceptable. This report of	35060016 Ren	7. 0	ets.
and SCE CWO 95080128000 Remarks: Pressure test to be perfo	r WSI Traveler shoots or shotch(os) is acceptable. This report of rmed by owner. CERTIFICATE OF COMPL	35060016 Rev	two shee	
escription of work Replace PDT Nozzle pe [wee of adddional and SCE CWO 95080128000 Remarks: Pressure test to be perfo [second with the statements made in this report are correction XI of the ASME Code and the National Board rules	r WSI Traveler shoots or shotch(os) is acceptable. This report of rmed by owner. CERTIFICATE OF COMPL cot and the repair, modific	35060016 Rev of properly identified) onsists of (2 LANCE ation or replacement ion NB-102, current	two shee	
escription of work Replace PDT Nozzle per [wee of additional and SCE CWO 95080128000] Remarks: Pressure test to be performance. The certify that the statements made in this report are correspond to the ASME Code and the National Board rules entiticate of Authorization no. 10 9-11-19, 95. Signed Welding Section 1.	r WSI Traveler shoots or shotch(os) is acceptable. This report of rmed by owner. CERTIFICATE OF COMPL cot and the repair, modific as defined in the publicat	JANCE ation or replacement ion NB-102, current expires 11-	of the items des	cribed above conforms to
escription of work Replace PDT Nozzle per two of additional and SCE CWO 95080128000 Remarks: Pressure test to be performance. We conify that the statements made in this report are correction XI of the ASME Code and the National Board rules perificate of Authorization no. 9-11-19, 95. Signed Welding Secretary Services of Signed Welding Secretary Signed Services of Services of Signed Services of Signed Services of Signed Services of	TWST Traveler sheet(s) or shelch(es) is acceptable. This report of rmed by owner. CERTIFICATE OF COMPL tot and the repair, modificat as defined in the publicat to use the "NR" stamp of rvices Incorporat repair organization) CERTIFICATE OF INSPEC	JANCE at properly identified) onsists of (2) LANCE ation or replacement ion NB-102, current expires 11— ted (authoritied replacement) (authoritied replacement)	of the items des dition.	cribed above conforms to

SUPPLEMENT TO NR-1 DATA REPORT

WELD IDENTIFIER CROSS REFERENCE

Plant Tag	Document	WSI Traveler	Description & Code, Class, Ed/Add	WSI Weld I.D.	*SCE Weld I.D.
3TE0122-1	FCN F- 11542	35060015	thermowell to nozzle socketweld; III-1, '74, S'74	FW-R-003	(SK)

^{*}Per SCE document FCN F-11468M

Notes

- 1. Weld areas for WSI Welds FW-R-002 and FW-R-005 were preheated to 200°F minimum by Cooperheat using their procedure #81296-CHP-021-002. Thermocouples were attached to the RCS Loop Pipe by Capacitor Discharge Welding. The thermocouples were removed, attachment areas ground flush and PT examined. Reference WSI Inspection Reports SCE-95-037 and WSI-NDE-95-011.
- 2. The replacement nozzle for 3TE-0122-1 was fabricated at the San Onofre site by SCE under SCE's ASME Section XI Program (Maintenance Order 95081091) and provided to WSI for installation. The nozzle material was SE-166 alloy N06690, heat number NX-8581HK1.

WSI Representative - 2 Q Cagan 9-11-95
ANII - Charles D. Thompson

RCS SUP. NR1

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

Rosemead, California 91770

Unit: 3 2244 Walnut Grove Avenue MO:

95081112000 Rspec: GEN-150 P&ID: 40112CSO3

2. Plant:

San Onofre Nuclear Generating Station San Clemente, California 92674-0128

N-5: S3-1204-13

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No: Expiration Date:

N/A N/A

4. Identification of System Safety Injection and Shutdown Cooling

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1/2 - 2 1/2	Pacific Scientific	10700	N/A	S3SI087H021	1980	Replaced	No
Mechanical Snubber PSA 1/2 - 2 1/2	Pacific Scientific	20701	N/A	RSO 2192-92, 1801104-07	1992	Replacement	No

7. Description of Work:

The mechanical snubber was replaced as a preventative maintenance action. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks The replacement snubber was certified to ASME III-1-NF as allowed by ASME III, paragraph NCA-2134. (Appisoable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/20/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 8/17/9.5 to 10/23/9.5 , and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

California

National Board, State, Province, and Endorsements

Date Oct. 23, 1995

Inspector's Signature Commissions 1862

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

Rspec: GEN-150

Unit:

MO:

P&ID: 40141ASO3

95081331000

S3-1305-8 N-5:

3

Type Code Symbol Stamp: N/A

N/A

Authorization No: Expiration Date:

N/A

4. Identification of System Condensate

5 (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 10-6	Pacific Scientific	17971	N/A	S3FW189H010T	1991	Replaced	No
Mechanical Snubber PSA 10-6	Pacific Scientific	17962	N/A	RSO 1352-91, 1801103-07	1991	Replacement	No

7. Description of Work:

The mechanical snubber was replaced in accordance with NCR 95080163 after failing functional testing. The snubber assembly was visually examined (VT-3) after installation with satisfactory results. The removed snubber was placed into the snubber rebuild program.

8. Tests Conducted: N/A

Pressure: N/A

 Remarks The replacement snubber was certified to a higher code class, ASME III-1-NF, as allowed by ASME III, paragraph NCA-2134.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Owner or Owner's Designee, Title

Date: 10/16/95

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 <u>California</u>, and employed by <u>Arkwright Mutual Insurance Company</u> of

Waltham, Massachusetts have inspected the components described in this Owner's Report during the period by 195 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section II.

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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

As Required by the Provisions of the ASME Code Section XI

Owner:

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Plant:

2.

3.

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Repair Spec: 200-95 REV. 0

P&ID:

Sheet 1 of 1 Unit:

40111AS03

95081483000

N-5:

CWO:

DCP:

S3-1201-3

3-343.CE

Type Code Symbol Stamp:

N/A

Authorization No: Expiration Date:

N/A N/A

Identification of System: 4.

Reactor Coolant (1201)

Applicable Construction Code: ASME Section III, Class NF-1, 1974 Edition, S'75 Addenda, Code Cases: None 5. (a)

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Snubber	Paul-Munroe Hydraulics	PD16154-261	N/A	S3-RC-P01-H-001	1978	Repaired	Yes

- Description of Work Added retaining plates (QC III) to prevent upward movement of clevis pins for the RCP motor snubbers. To 7. attach the retainer plate, a hole had to be drilled in the clevis which is ASME NF-1. (Reference: S023-922-191 FIDCN M-10180 & S023-922-134 FIDCN M-10182 and S3-1201-MP-001)
- Tests Conducted: None

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this _repair_ conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A		(Applicable Manufacturer's Data Reports to be attached)	
Certificate of Authorization No: N/A Expiration Date: N/A Signed:		CERTIFICATE OF COMPLIANCE	
Signed: Supervising ASMF Codes Engineer. Date: 9/29, 1995 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, and employed by Arkwright Muthal Insurance Company. (Factory Muthal Engineering Association) of Norwand. Massachusetts have inspected the components described in this Owner's Report during the period for a state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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.	We certify that the statements made in the	the report are correct and this _repair_ conforms to the rules of the	ASME Code, Section XI.
CERTIFICATE OF INSPECTION In the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Naryanah Massachusetts have inspected the components described in this Owner's Report during the period of State that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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.	Type Code Symbol Stamp: N/A		
CERTIFICATE OF INSPECTION the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or province of California, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Naryand, Massachusetts have inspected the components described in this Owner's Report during the period 12/1/5 to 12/1/5, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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.	Certificate of Authorization No: N/A	Expiration Date: N/A	
to the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Naturand Massachusetts have inspected the components described in this Owner's Report during the period 1995 to and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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.		Supervising ASMF Codes Engineer Date:	9/29 1995
Province of California, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwand Massachusetts have inspected the components described in this Owner's Report during the period 2975 to 97295, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 examination and corrective measures described in this Owner's 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.		CERTIFICATE OF INSPECTION	
and corrective measures described in this Owner's 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.	Province of California, and employed b Nary and Massachusetts have inspected 9/29/95, and state that it	by Arkwright Mutual Insurance Company (Factory Mutual Engined the components described in this Owner's Report during the period to the best of my knowledge and belief, the Owner has performed expenses to the components.	d 29/95 to
MAKANDARA Commissions 1862 California	and corrective measures described in this	is Owner's Report. Furthermore, neither the Inspector nor his emplo	oyer shall be liable in any
Inspector's Signature (National Board, State, Province, and Endorsements)		Commissions 1862	California

As Required by the Provisions of the ASME Code SectionAC

1. Owner:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Work Performed by: Southern California Edison Company

4. Identification of System Main Steam

Unit: 3

MO: 95081597000

Rspec: 198-95

P&ID: 40141ASO3 D-6

N-5: S3-1301-2

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, S'73 Addenda (Valve), 1974 Edition, S'74 Addenda (Installation), Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
1" Y-Type Globe Valve	Kerotest	SY38-25	N/A	S31301MU597	1976	Replaced	Yes
1" Y-Type Globe Valve	Kerotest	PAB37-20	N/A	RSO 2-P-2783-83		Replacement	Yes

7. Description of Work:

The valve was replaced as a result of excessive machining which had been performed on the valve seat (Ref. MO 95071408). Installation of the new valve was performed in accordance with weld record WR3-95-575.

8. Tests Conducted: System Functional Pressure Test

Pressure: 985 psia

(Appacable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

replacement conforms to the rules repair or replacement

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer

Date: 11/21/95

Owner or Owner's Designee, Title

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period solding to 11/21/95, and state that to the best of my knowledge and belief, the Owner

has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date MOV. 21, 1995

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead California 91770

San Onofre Nuclear Generating Station 2. Plant:

San Clemente, California 92674-0128

3. Work Performed by:

Southern California Edison Company

4. Identification of System Reactor Coolant

Unit: 3

95081602000

Rspec: 201-95

P&ID: 40111ASO3

N-5: S3-1201-3

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1-NF, 1974 Edition, S'75 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
RCP Hydraulic Snubber	Paul Munroe Hydraulics	PD16154-260	N/A	S3RCP02H001	1978	Repaired	Yes

7. Description of Work:

During installation of the new motor for RCP S31201MP002, an interference was noted at the snubber-to-motor housing connection. The rod pivot was found to have two lugs (not identified on drawing SO23-922-129) which prevented installation. The lugs were removed by machining and grinding.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF CO	MPLIANCE
We certify that the statements made in the report are correct and this of the ASME Code, Section XI.	repair conforms to the rules
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A Expiration Date	te: N/A
Signed: Mille Supervising ASME Codes E.	nainem Date: 1/7/ac

Owner or Owner's Designee, Title

Date: 10/17/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Commissions 1802

National Board, State, Province, and Endorsements

Date Oct. 18, 1995

Inspector's Signature

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As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit:

CWO:

DCP:

Sheet 1 of 1

Repair Spec:

95081626000 3-343.CE

San Onofre Nuclear Generating Station San Clemente, CA 92674-0128

P&ID: N-5:

200-95 REV. 0 40111AS03

S3-1201-3

Work Performed by: Bechtel Construction Company 3.

P.O. Box 450

San Clemente, CA 92674-0128

Type Code Symbol Stamp:

N/A N/A

Authorization No: Expiration Date:

N/A

4. Identification of System:

Plant:

Reactor Coolant (1201)

Applicable Construction Code: ASME Section III, Class NF-1, 1974 Edition, S'75 Addenda, Code Cases: None 5. (8)

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda (b)

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stanned Yes/N
Snubi er	Paul-Munroe Hydraulics	PD16154-260	N/A	S3-RC-P02-H-001	1978	Repaired	Yes

Description of Work Added retaining plates (QC III) to prevent upward movement of clevis pins for the RCP motor snubbers. To attach the retainer plate, a hole had to be drilled in the clevis which is ASME NF-1. (Reference: S023-922-192 FIDCN M-10181, S023-922-135 FIDCN M-10183 and S3-1201-MP-002)

Tests Conducted: None 8

> Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AlA.

	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE
We certify that the statements ma	de in the report are correct and this _repair_ conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N//	
Certificate of Authorization No:	
Signed: Charles	le Supervising ASME Codes Engineer Date: 9/29, 19.95
Owner or Owner's Designee, Tit	le
	CERTIFICATE OF INSPECTION
Province of California, and empl	commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or loyed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of aspected the components described in this Owner's Report during the period
9/29/95 , and star	te that to the best of my knowledge and belief, the Owner has performed examinations and taken this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
and corrective measures described	er the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any property damage or a loss of any kind arising from or connected with this inspection.
halle.	2000 Commissions 1862 California
- Landy Landy	(National Board, State, Province, and Endorsements)
Inspector's Signature	
Inspector's Signature	

As Required by the Provisions of the ASME Code Section XI

Owner:

Plant:

2.

3.

Southern California Edison Company

2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit:

Sheet 1 of 1 CWO:

95081629000

San Onofre Nuclear Generating Station

DCP: Repair Spec:

3-343.CE 200-95 REV. 0

San Clemente, CA 92674-0128

P&ID:

40111AS03

N-5:

53-1201-3

Work Performed by: Bechtel Construction Company P.O. Box 450

Type Code Symbol Stamp:

N/A

San Clemente, CA 92674-0128

Authorization No: Expiration Date:

N/A

Identification of System: 4.

Reactor Coolant (1201)

N/A

Applicable Construction Code: ASME Section III, Class NF-1, 1974 Edition, S'75 Addenda, Code Cases: None 5.

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Snubber	Paul-Munroe Hydraulics	PD16154-262	N/A	\$3-RC-P03-H-001	1978	Repaired	Yes

Description of Work Added retaining plates (QC III) to prevent upward movement of clevis pins for the RCP motor snubbers. To 7. attach the retainer plate, a hole had to be drilled in the clevis which is ASME NF-1. (Reference: S023-922-192 FIDCN M-10181, S023-922-135 FIDCN M-10183 and S3-1201-MP-003)

Tests Conducted: None

Note:

Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA

9.	Remarks: None	

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: July Country of Owner's Designee, Title

Supervising ASME Codes Engineer

Date: 9/25 , 19 95

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, and employed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of Norwood, Massachusetts have inspected the components described in this Owner's Report during the period 100 to 100

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 Owner's 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.

Inspector's Signature

Commissions 1862

California

(National Board, State, Province, and Endorsements)

Date Slot 29, 1995

As Required by the Provisions of the ASME Code Section XI

Southern California Edison Company Owner:

2244 Walnut Grove Avenue, Rosemead, CA 91770

San Onofre Nuclear Generating Station

San Clemente, CA 92674-0128

Work Performed by: Bechtel Construction Company

P.O. Box 450

San Clemente, CA 92674-0128

Sheet 1 of 1

Unit:

CWO:

95081630000

DCP: 3-343.CE

Repair Spec: P&ID:

200-95 REV. 0 40111AS03

N-5:

S3-1201-3

Type Code Symbol Stamp:

N/A

Authorization No:

N/A

Expiration Date:

N/A

Identification of System: 4.

Plant:

2.

3.

Reactor Coolant (1201)

Applicable Construction Code: ASME Section III, Class NF-1, 1974 Edition, S'75 Addenda, Code Cases: None 5.

Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped Yes/No
Snubber	Paul-Munroe Hydraulics	PD16154-259	N/A	\$3-RC-P04-H-001	1978	Repaired	Yes

7. Description of Work Added retaining plates (QC III) to prevent upward movement of clevis pins for the RCP motor snubbers. To attach the retainer plate, a hole had to be drilled in the clevis which is ASME NF-1. (Reference: S023-922-191 FIDCN M-10180, S023-922-134 FIDCNs M-10182 & M-10186 and S3-1204-MP-004)

Tests Conducted: None

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items I through 6 on this 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 sheet is initialed and dated by the Owner or Owner's Designee and the AIA.

	(Applicable Manufacturer's Data Reports to be attached)
	CERTIFICATE OF COMPLIANCE
We certify that the statements m	nade in the report are correct and this _repair_ conforms to the rules of the ASME Code, Section XI.
Type Code Symbol Stamp: N	/A
Certificate of Authorization No.	; N/A Expiration Date: N/A
Signed: All Signed: Owner or Owner's Designee, T	Supervising ASME Codes Engineer Date: 9/29, 19.95
	CERTIFICATE OF INSPECTION
Province of California, and em Norwood, Massachusetts have 4/29/95, and st	lid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or iployed by Arkwright Mutual Insurance Company (Factory Mutual Engineering Association) of inspected the components described in this Owner's Report during the period 1999 to tate that to the best of rey knowledge and belief, the Owner has performed examinations and taken in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate, neit	ther the Inspector nor his employer makes any warranty, expressed or implied, concerning the examination and in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any or property damage or a loss of any kind arising from or connected with this inspection.
manner for any personal injury	
manner for any personal injury	Toppion 1862 California National Board, State, Province, and Endorsements)
Inspector's Signature	Commissions 1862 California (National Board, State, Province, and Endorsements)

As Required by the Provisions of the ASME Code Section NI

1. Owner:

2. Plant:

Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

Unit: 3

MO: 95082156000

P&ID: 40111ASO3 E-5

Rspec: GEN-107

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

N-5: S3-1201-3

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A

Authorization No:

Expiration Date:

NA

4. Identification of System CEDM Control

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, W73 Addenda, Code Cases: None

(b) Applicable Edition of Sect on XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
CEDM Vent Ball Seal	Combustion Engineering	1470-177	N/A	S21104CEDM #76	1978	Repaired	Yes

7. Description of Work:

On CEDM housing #76, the housing nut was seal welded to the ball seal housing in accordance with weld record WR3-95-586. A PT examination was performed on the completed weld.

8. Tests Conducted: System Leakage Pressure Test

Pressure: 2250 psia

Temp: 440 F



(Applicable Manufacture's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title

Date: 12/1/95

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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/1/95 to 19/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

Inspector's Signature

Commissions 1862

California

National Board, State, Province, and Endorsements

Date Lebe. 4 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Clemente, California 92674-0128

San Onofre Nuclear Generating Station

3. Work Performed by: Southern California Edison Company

4. Identification of System Nuclear Plant Sampling

Unit: 3

MO: 95090062000

Rspec: EREF-0360

P&ID: 40134ASO3 G-5

N-5: S3-1212-5

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, No Addenda, Code Cases: 1637

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
3/4" Diaphragm Control Valve	Fisher Controls	6289687	3295	3HV0509	1978		Yes
Stem/Plug	Fisher Controls	LC5457-1, 32225-1	N/A	RSO 2420-93, CR- 3010-95	1993	Replacement	Yes

7. Description of Work:

The valve was disassembled for inspection after leaking by during an LLRT. The valve was reassembled after replacing the valve plug.

8. Tests Conducted: System Functional Pressure Test

Pressure: 2260 psia

 Remarks CR-3010-95 reconciles the replacement plug which was certified to ASME III-2, 1986 Edition, No Addenda.

(Applicable Manufacture's Data Reports are available on-site)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/7/95 Supervising ASME Codes Engineer Signed: Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/2/95 to 12/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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.

___Commissions 1862

California

National Board, State, Province, and Endorsements

Date Glec. 8, 1995

Inspector's Signature

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Clemente, California 92674-0128

San Onofre Nuclear Generating Station

Southern California Edison Company

4. Identification of System Main Steam

3. Work Performed by:

3 Unit:

95090158000

Rspec: GEN-152 R2

P&ID: 40141ASO3 N-5: \$3-1301-2

Type Code Symbol Stamp: N/A

Authorization No:

N/A

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced or Replacement	ASME Code Stamped Yes/No
Mechanical Snubber PSA 1-4	Pacific Scientific	25760	N/A	S3ST016H701	1986	***	No
Load Pin	Pacific Scientific	Heat N2917B	N/A	RSO 0072-92, CR-3006-95	N/A	Replacement	No

7. Description of Work:

The snubber load pin was replaced with a cotter-type pin. A VT-3 examination of the support assembly was performed after installation.

8. Tests Conducted: N/A

Pressure: N/A

9. Remarks CR-3006-95 reconciles the replacement load pin which was certified to ASME III-1-NF, 1980 Edition, S'82 Addenda. (Applicable Manufacturer's Data Reports to be attached) CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 10/16/95 Signed: Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/6/95 to 10/18/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's 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 Owner's 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. Inspector's Signature Commissions 1862 California National Board, State, Province, and Endorsements Date Oct. 181 1995

MO: 95090158000

As Required by the Provisions of the ASME Code SectionXI

1. Owner: Southern California Edison Company

2244 Walnut Grove Avenue

Rosemead, California 91770

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

Unit: 3

95090504000

MO: Rspec: 205-95 R1

P&ID: 40123ASO3 B-4

N-5: S3-1201-3-7

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

Expiration Date:

N/A

4. Identification of System Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1974 Edition, S'74 Addenda, Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

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

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
Pipe Spool	Ideal Forging	3-RC-126-1H	N/A	S31201ML126	N/A		No
3/4" 1500# RF Blind Flange	Consolidated Power Supply	Ht Code 958WNE	N/A	RSO 1545-95, SA182 F316	N/A	Replacement	No

7. Description of Work:

The 3/4" 1500# blind flange downstream of S31201MU133 was lost during the performance of the LLRT of Penetration #68. A replacement blind flange obtained and installed using the existing flange bolting. Because the spool is not normally subjected to system pressure, the VT-2 examination was exempted in accordance with IWA-7400(a)(4).

8. Tests Conducted: N/A

Pressure: N/A

(Applicable Manufacturers Data Reports to be attached)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Date: 12/1/95 Supervising ASME Codes Engineer Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have inspected the components described in this Owner's Report during the period 9/1.3/95 to 12/4/95, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate, neither the Inspector nor his employer makes any wearanty, expressed or implied, concerning the examinations and corrective measures described in this Owner's 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. nompson Commissions 1862 California Inspector's Signature National Board, State, Province, and Endorsements

Date 6 Lec. 4, 1995

As Required by the Provisions of the ASME Code SectionXI

Southern California Edison Company 1. Owner:

2244 Walnut Grove Avenue Rosemead, California 91770 Unit:

N-5:

95090910000 MO:

Rspec: 206-95

2. Plant:

San Onofre Nuclear Generating Station

San Clemente, California 92674-0128

P&ID: 40127FSO3 C-4

S3-1203-16

3. Work Performed by:

Southern California Edison Company

Type Code Symbol Stamp: N/A Authorization No:

N/A

4. Identification of System Component Cooling Water

Expiration Date:

N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, S'75 Addenda Code Cases: None

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition, No Addenda

Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name Of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Replaced or Replacement	ASME Code Stamped Yes/No
3/8" 3-Valve Manifold	Gould Inc.	15005	N/A	Upsteam of 3FT6312	1978	Replaced	Yes
3/8" 3-Valve Manifold	Gould Inc.	14745	N/A	RSO 2073-84, Model 30023000	1978	Replacement	Yes

7. Description of Work:

The 3-valve manifold upstream of instrument 3FT-6312 was replaced due to valve seat leakage.

8. Tests Conducted: System Functional Pressure Test

Pressure: 78 psig

(Applicable Manufacturer's Data Reports are svaliable on-site)

CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Signed: Supervising ASME Codes Engineer Date: 12(495) Owner or Owner's Designee, Title 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, and employed by Arkwright Mutual Insurance Company of Waltham, Massachusetts have in pected the components described in this Owner's Report during the period and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the

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 Owner's 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.

Inspector's Signature Commissions 1862 California
National Board, State, Province, and Endorsements

Date (2, 1995

requirements of the ASME Code, Section XI.