

March 17, 2009

ATTN: Document Control Desk U. S. Nuclear Regulatory Commission Washington, D. C. 20555-0001

Subject:

Docket No. 50-362

Owner's Report of Inservice Inspection, Form NIS-1 San Onofre Nuclear Generating Station, Unit 3

Reference: American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (B&PVC), Section XI

Dear Sir or Madam:

In accordance with 10CFR50.55a(g) and ASME B&PVC, Section XI, Article IWA 6240(b), this letter submits the Inservice Inspection (ISI) Summary Report, including the Owner's Reports of Repair/Replacement Activities, for San Onofre Nuclear Generating Station, Unit 3. This report covers the period from December 13, 2006 through December 18, 2008, the date Unit 3 returned to service following its Cycle 15 refueling outage.

If you have any questions or require additional information, please contact me or Mr. Clay E. Williams at (949) 368-6707.

Sincerely,

Moleur

Enclosure: Inservice Inspection Summary Report

cc: E. E. Collins, Regional Administrator, NRC Region IV

R. J. Caniano, Director, Division of Reactor Safety, NRC Region IV

N. Kalyanam, NRC Project Manager, San Onofre Units 2 and 3

G. G. Warnick, NRC Senior Resident Inspector, San Onofre Units 2 & 3

State of California
Department of Industrial Relations
Division of Occupational Safety and Health
Pressure Vessels Unit
Attention: Dabbriu Patnaik, Senior Safety Engineer
2000 McFadden Avenue, Suite 215
Santa Ana, CA 92705

State of California
Department of Industrial Relations
Division of Occupational Safety and Health
Pressure Vessels Unit
Attention: Don Cook, Principal Pressure Vessel Engineer
1515 Clay Street, Suite 1302
Oakland, CA 94612



SAN ONOFRE NUCLEAR GENERATING STATION UNIT-3

3rd INTERVAL, 2nd PERIOD REFUELING OUTAGE-15

INSERVICE INSPECTION SUMMARY REPORT

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1 SUMMARY REPORT

Date of Document Completion......March 09, 2009

Name & Address of Plant:

San Onofre Nuclear Generating Station 5000 Pacific Coast Hwy San Clemente, CA 92672

Name & Address of Owners:

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

San Diego Gas & Electric Company

P.O. Box 1831

San Diego, CA 92119

City of Riverside Supervising Deputy City Attorney 3900 Main Street, Riverside, CA 92522

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

5000 Pacific Coast Hwy San Clemente, CA 92672

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 Number	National Board Number
Reactor Vessel 3MV001	Combustion Engineering	72170	35204-82	22001
Pressurizer 3ME087	Combustion Engineering	70603	35204-82	21496
Reactor Coolant Pump 3MP004	Byron Jackson	701-N-0562	N/A	N/A
Steam Gen 3ME088	Combustion Engineering	72270-2	35204-82	22265
Steam Gen 3ME089	Combustion Engineering	72270-1	35204-82	22264

Date: 3/11/09

FORM NIS-1 (back)
8. Examination Date: December 13, 2006 to December 18, 2008
9. Inspection Period Identification: 1st PeriodX_2nd Period3rd Period
10. Inspection Interval Identification: 1st 10-Yr2nd 10-YrX3rd 10-Yr4th 10-Yr
11. Applicable Edition of Section XI IWB, IWC, IWD, IWF, 1995 Edition, with the 1996
Addenda, IWE, IWL 1992 Edition with 1992 Addenda,
12. Date/Revision of Inspection Plan August 18, 2003, Doc # 90074, Rev 0
13. Abstract of Examinations & TestsSee page 5
14. Abstract of Results of Examinations & Tests:See page 6
15. Abstract of Corrective Measures:See page 6
We certify that a) the statement made in this report are correct, b) the examinations and tests
meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures
taken conform to the rules of the ASME Code, Section XI.
Certificate of Authorization No. N/A Expiration Date: N/A
alal and and - often
Date: 3 9 09 Signed: Southern California Edison By: MM North R. St. Ongo (Owner) Manager, Maintenance/Systems Engineering
(Owner) Manager, Maintenance/Systems Engineering
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure
Vessel Inspectors and the State of California and employed by HSBCT of Hartford Connecticut 06103,
have inspected the components described in this Owner's Report during the period December 13, 2006
to December 18, 2008 and state that to the best of my knowledge and belief, the Owner has performed
examinations and tests and taken corrective measures described in this Owner's Report in accordance
with the Inspection Plan and as required by the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed
or implied, concerning the examinations, tests, 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_CA 208]
Inspector's Signature NB, State, Province or Endorsements

ABSTRACT OF EXAMINATIONS & TESTS

This report covers the inservice examination activities conducted at the San Onofre Nuclear Generating Station (SONGS), Unit 3. The examinations and tests were performed during the second period of the third ten-year Interval in accordance with approved ISI program procedures and document 90074, Third 10-year Inservice Inspection Program Plan. The inservice examinations were conducted in accordance with 10 CFR Part 50.55a and ASME Boiler and Pressure Vessel Code Section XI.

List of Code Class 1 and 2 inservice examinations and tests performed are included in Attachment-2.

ABSTRACT OF EXAMINATIONS / TESTS RESULTS AND CORRECTIVE MEASURES

Summary of corrective measures,

- 1) Boric acid residue accumulation recorded on LPSI pump number 1 support component, Nuclear Notification (NN) 200161331 was generated for engineering review. As required by ISI program additional VT-3 examinations were performed on all the LPSI pump number 2 support components with no reportable indications. Boric acid residue was cleaned from LPSI pump 1, VT-3 examination was re-performed with no reportable indications.
- 2) One loose nut was recorded on a shutdown cooling system spring hanger VT-3 examination. Nuclear notification (NN) 200188202 was generated. As required by ISI program additional VT-3 examinations on spring hangers in shutdown cooling system hangers were performed with acceptable results. Loose nut on spring hanger was tightened to design specification and re-examined with acceptable results.
- 3) NN 200219433 was generated to evaluate grinder marks observed during VT-3 examination on a containment liner plate. Engineering evaluation determined that the mechanical damage to the containment line is minor and has no adverse effect on the containment leak tight integrity. As required by ISI program this line plate added for UT examination to monitor potential future degradation.
- 4) During performance of the Unit 3, 25th year tendon surveillance four of the 55 total strands of horizontal tendon #9 failed. Tendon # 9 is about 346 feet long and the failures occurred below the main feedwater line penetration approximately 35 feet from the anchorage at buttress # 3. Tendon # 9 was the last inspection tendon in the 25th year tendon surveillance inspection plan for Unit 3, all other tendons tested during this surveillance had acceptable test results. Action Request # 070301467 was written and the tendon was replaced.

Grease refilling for vertical tendon # 39-113 was completed with a void ratio of 13.2% which exceeded the acceptance criteria of 10%. Order # 800075683 was created and an Operability Assessment performed. The containment post-tensioning system is acceptable with the higher void ratio for vertical tendon # 39-113. Grease will be added to this tendon during tendon activities for the steam generator replacement project.

5) Structural weld overlay repair (WOL) was performed on hot leg surge nozzle-to-safe-end, hot leg drain nozzle-to-safe-end, hot leg shutdown cooling nozzle to safe end dissimilar metal welds, and the adjacent stainless steel welds to mitigate potential primary water stress corrosion cracking (PWSCC). After WOL repair, ultrasonic (UT) examination was performed. No suspected flaw indications were observed within the required weld overlay examination volume. During the examination of the weld overlay on the hot leg drain line, one planar flaw was identified in the underlying nozzle base metal, outside the required weld overlay examination volume. This flaw was evaluated in accordance with the ASME code, Section XI, IWB-3500 requirements, and found to be acceptable (NN 200276069). WOL was performed in accordance with relief request ISI-3-27 and ISI-3-28.

Results of all other scheduled examinations/tests were acceptable per ASME Section XI Code.

2 STEAM GENERATOR EXAMINATIONS

San Onofre Unit 3 Technical Specifications provide requirements for inspection of steam generator tubing, and associated reporting to the Nuclear Regulatory Commission. The report to the Nuclear Regulatory Commission will be provided in accordance with San Onofre Unit 3 Technical Specification 5.7.2.c.

3 ATTACHMENT-1

ISI PLAN AND SCHEDULE FOR THE THIRD INTERVAL INCLUDING
NUMBER AND PERCENTAGE OF EXAMINATIONS AND TESTS
COMPLETED (2 Pages)

ISI PLAN AND SCHEDULE FOR THE THIRD INTERVAL INCLUDING NUMBER AND PERCENTAGE OF EXAMINATIONS AND TESTS COMPLETED

			4, 1				
							Percentage of
						Number of	examinations
		Examinations	Period-1,	Period-2,	Period-3,	examinations	completed for the 1st
Subsection	Category	Required, See	See Note-2		See Note-2		Period(U3C13 &
		Note-1	See Note-2	See Note-2	See Note-2	completed	U3C14) and 2nd Period
						during U3C15	(U3C15) of the 3rd
		,		1			Interval, See Note-3
IWB	B-A	27	3	2	22	2	19%
	B-B	8	3	2 .	3	0	37%
	B-D	34	12	10	12	0	35%
	B-F/B-J	98	33	35	30	20	54%
	B-G-1	248	86	54	108	54	56%
	B-G-2	177	57	62	58	40	55%
	В-К	12	4	3	5	0	33%
	B-L-1	2	0	0	2	0	0%
	B-L-2	See Note-4	N/A	N/A	N/A	N/A	N/A
	B-M-1	8	3	3	2	0	37%
	B-M-2	See Note-4	N/A	N/A	N/A	N/A	N/A ·
	B-N-1	3	1	1	1	0	33%
	B-N-2	30	0	0	30	0	0%
	B-N-3	2	0	0	2	0	0%
	B-O	1	0	0	1	0	0%
	B-P	Each reactor re	efueling outa	ge prior to pl	ant startup	100%	N/A
	B-Q	Governed by the					
IWC	C-A	20	7	6	7	0	35%
	С-В	8	2	2	4	0	25%
	C-C	48	17	15	16	0	35.0%
	C-F-1	140	48	46	46	46	67%
	C-F-2	28	10	9	9	0	36%
	C-G	5	1	2	2	1	40%
	C-H	Each inspectio	n period				100%
IWD	D-A	50	19	15	16	15	68%
	D-B	Each inspectio	n period	,			100%
IWF	F-A	270	88	91	91	91	66%
		Containment	General	General			,
IWE	E-A	Surfaces	Visual	Visual	Visual VT-3	441	100%, See note-5
,	E-C	6	2	2	2	2	100%, See note-5
	E-D	3	1 .	1	1	1	100%, See note-5
	E-G	99	0	0	99	99	100%, See note-5
IWL	L-A	Once in every	ten years			Complete	100%, See note-5
	L-B	Once in every				Complete	100%, See note-5
							į
Augmented	ISI for the I	Reactor coolant	pump flywhe	els and high	energy pipin	g	
					3,11	Ĭ	
	Flywheels	4	0	0	4	0.	0%
	High						
	energy						
	piping						
	welds	19	60	0	0	0	100%
				-	-	-	
Notes : 1) R	leguired Ex	aminations subj	ect to change	e based on			
	dification						

ISI PLAN AND SCHEDULE FOR THE THIRD INTERVAL INCLUDING NUMBER AND PERCENTAGE OF EXAMINATIONS AND TESTS COMPLETED

b) Periodic update of Regulatory Guide 1.147, Inservice Inspection Code Case Acceptability									
ASME Section XI, Divis	ASME Section XI, Division 1								
c) Periodic update of 10	CFR 50.55a C	odes and Sta	indards			•			
d) Approval or disappro	val of relief requ	uests submit	ted to the NF	RC in accorda	ince with 10CFI	R 50.55a			
2) Number of examinati	ons scheduled	for a period	may change	due to					
a) Component accessib	ility because of	high radiation	on or contain	nination					
b) Based on Note-1									
Subject to change ba		·							
Examination is require	4) Examination is required only when a pump or valve is disassembled for maintenance, repair or volumetric								
examination examination									
5) The initial 120 months (1st interval) for containment ISI for Subsections IWE and IWL begun on September 9,									
1998, and ended on December 18, 2008, in accordance with 10CFR 50.55a(b)(2)(vi)									

4 ATTACHMENT- 2

LIST OF CODE CLASS 1 AND 2, ISI EXAMINATIONS AND TESTS COMPLETED (6 Pages)

ISI DESIGNATION NUMBER	COMPONENT EXAMINED OR TESTED	CODE CLASS	CODE CATEGORY	CODE ITEM NUMBER	EXAMINAT	ION OR TEST M	ETHOD
					VOLUMETRIC EXAMINATION	SURFACE EXAMINATION	VISUAL EXAMINATION
03-001-058-01	REACTOR VESSEL CLOSURE WASHER #1	1	BG1	B6.50			VT-1
03-001-058-02	REACTOR VESSEL CLOSURE WASHER #2	1	BG1	B6.50			VT-1
03-001-058-03	REACTOR VESSEL CLOSURE WASHER #3	1	BG1	B6.50			VT-1
03-001-058-04	REACTOR VESSEL CLOSURE WASHER #4	1	BG1	B6.50			VT-1
03-001-058-05	REACTOR VESSEL CLOSURE WASHER #5	1	BG1	B6.50		N	VT-1
03-001-058-06	REACTOR VESSEL CLOSURE WASHER #6	1	BG1	B6.50			VT-1
03-001-058-07	REACTOR VESSEL CLOSURE WASHER #7	1	BG1	B6.50			VT-1
03-001-058-08	REACTOR VESSEL CLOSURE WASHER #8	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #9	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #10	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #11	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #12	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #13	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #14	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #15	1 _	BG1	B6.50			VT-1
03-001-058-16	REACTOR VESSEL CLOSURE WASHER #16	1	BG1	B6.50			VT-1
03-001-058-17	REACTOR VESSEL CLOSURE WASHER #17	1	BG1	B6.50			VT-1
03-001-058-18	REACTOR VESSEL CLOSURE WASHER #18	1	BG1	B6.50			VT-1
03-001-058-19	REACTOR VESSEL CLOSURE WASHER #19	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #20	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #21	1	BG1	B6.50			VT-1
03-001-058-22	REACTOR VESSEL CLOSURE WASHER #22	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #23	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #24	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #25	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #26	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #27	1	BG1	B6.50			VT-1
03-001-058-28	REACTOR VESSEL CLOSURE WASHER #28	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #29	1	BG1	B6.50			VT-1
03-001-058-30	REACTOR VESSEL CLOSURE WASHER #30	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #31	1 .	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #32	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #33	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #34	1	BG1	B6.50			VT-1
03-001-058-35	REACTOR VESSEL CLOSURE WASHER #35	1	BG1	B6.50			VT-1
	REACTOR VESSEL CLOSURE WASHER #36	1	BG1	B6.50			VT-1
03-001-058-37	REACTOR VESSEL CLOSURE WASHER #37	1	BG1	B6.50			VT-1
03-001-058-38	REACTOR VESSEL CLOSURE WASHER #38	1	BG1	B6.50			VT-1

00 004 050 00	IDE LOTOD VEGOSE OLOGUPE WASHED TO	14	Ino.	150.50		1.67.4	
03-001-058-39	REACTOR VESSEL CLOSURE WASHER #39		BG1	B6.50		VT-1	
03-001-058-40	REACTOR VESSEL CLOSURE WASHER #40	1	BG1	B6.50		VT-1	
03-001-058-41	REACTOR VESSEL CLOSURE WASHER #41	1	BG1	B6.50		VT-1	
03-001-058-42	REACTOR VESSEL CLOSURE WASHER #42	1	BG1	B6.50	•	VT-1	
03-001-058-43	REACTOR VESSEL CLOSURE WASHER #43	1 ·	BG1	B6.50		VT-1	
03-001-058-44	REACTOR VESSEL CLOSURE WASHER #44	1	BG1	B6.50		VT-1	
03-001-058-45	REACTOR VESSEL CLOSURE WASHER #45	. 1	BG1	B6.50		VT-1	
03-001-058-46	REACTOR VESSEL CLOSURE WASHER #46	1	BG'1	B6.50		VT-1	
03-001-058-47	REACTOR VESSEL CLOSURE WASHER #47	1	BG1	B6.50	٠.	VT-1	
03-001-058-48	REACTOR VESSEL CLOSURE WASHER #48	1	BG1	B6.50		VT-1	
03-001-058-49	REACTOR VESSEL CLOSURE WASHER #49	1	BG1	B6.50		VT-1	
03-001-058-50	REACTOR VESSEL CLOSURE WASHER #50	-1	BG1	B6.50		VT-1	
03-001-058-51	REACTOR VESSEL CLOSURE WASHER #51	1	BG1	B6.50		VT-1	
03-001-058-52	REACTOR VESSEL CLOSURE WASHER #52	1	BG1	B6.50		VT-1	
03-001-058-53	REACTOR VESSEL CLOSURE WASHER #53	1	BG1	B6.50		VT-1	t,
03-001-058-54	REACTOR VESSEL CLOSURE WASHER #54	- 1	BG1	B6.50		VT-1	V
03-002-004	PEEL SEGMENT WELD @ 162 DEGREES	1	В-А	B1.22	UT		
03-002-012	DOME WELD	1	B-A	B1.21	UT		
03-004-029-01	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-02	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	·
03-004-029-03	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-04	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1 .	BG2	B7.30	***	VT-1	· ·
03-004-029-05	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-06	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-07	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-08	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-09	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-10	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-11	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-12	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30	•	VT-1	
03-004-029-13	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-14	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-15	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-16	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-17	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-18	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-19	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-029-20	PRIMARY MANWAY STUD @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30	•	VT-1	
03-004-030-01	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-02	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-03	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-04	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-05	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-06	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
03-004-030-07	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1	
23 00 . 000 07	1. The state of the beautiful to		12 22			1,1,1	

03-004-030-08	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-09	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-10	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-11	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-12	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	11	BG2	B7.30		VT-1
03-004-030-13	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-14	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-15	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-16	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30	·	VT-1
03-004-030-17	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-18	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-19	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-004-030-20	PRIMARY MANWAY NUT @ 112 DEGREES, 30 MINUTES	1	BG2	B7.30		VT-1
03-006-010	SURGE NOZZLE-TO-SAFE END	1	B-J	B9.11	UT	
03-006-011	DRAIN NOZZLE-TO SAFE END (2" DIA.)	1	B-J	B9.21	UT	
03-007-009	SHUTDOWN COOLING NOZZLE-TO-SAFE END WELD	1	B-J	B9.11	UT	pot .
03-011-009	SAFETY INJECTION NOZZLE-TO-PIPE WELD	1	B-J	B9.31	UT	
03-012-017	PIPE-TO-STEAM GENERATOR NOZZLE EXTENSION PIECE WELD	1	B-J	B9.11	UT	,
03-014-017	PIPE-TO-STEAM GENERATOR NOZZLE EXTENSION PIECE WELD	1	B-J	B9.11	UT	
03-014-018	DRAIN NOZZLE-TO-PIPE WELD	1	B-J	B9.32	UT	
03-016-015	12" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.11	UT	
03-016-016	12" SCH 160 PIPE-TO-NOZZLE	1	B-J	B9.11	UT	
03-016-019	SNUBBER	1	F-A	F1.10C		VT-3
03-016-020	Y-STOP	1	F-A	F1.10A		VT-3
03-017-300	12" SCH 160 VALVE-TO-PIPE	1	B-J	B9.11	UT	-,
03-018-340	12" SCH 160 PIPE-TO-NOZZLE SAFE END	1	B-J ₁	B9.11	UT	1
03-019-1000	GUIDE	1	F-A\	F1.10B		VT-3
03-019-1010	GUIDE	1	F-A	F1.10A		VT-3
03-019-1010	GUIDE	1	F-A	F1.10B		VT-3
03-019-840	AXIAL STOP	1	F-A	F1.10A		VT-3
03-019-850	Y-STOP	1	F-A	F1.10A		VT-3
03-019-880	AXIAL STOP	1	F-A	F1.10A		VT-3
03-021-010	16" SCH 160 NOZZLE-TO-ELBOW	1	B-J.	B9.11	UT	
03-021-230	16" SCH 160 PIPE-TO-REDUCING TEE	1	B-J	B9.11	UT	
03-021-320	10" SCH 140 REDUCING TEE-TO-PIPE	1	B-J·	B9.11	UT	
03-021-600	SNUBBER	1	F-A	F1.10C		VT-3
03-021-000	VARIABLE SPRING	1	F-A	F1.10C		VT-3
03-023-240	VARIABLE SPRING	1	F-A	F1.10C		VT-3
03-023-240	VARIABLE SPRING	1	F-A	F1.10C		VT-3
03-024-560	2" SCH 160 PIPE-TO-ELBOW	1	B-J	B9.21	UT	V 1-0
03-028-070	Y-STOP	1	F-A	F1.10A	<u> </u>	VT-3
03-028-190	2" SCH 160 TEE-TO-PIPE	1	B-J	B9.21	UT	V 1-3
03-029-050	2" SCH 160 NOZZLE-TO-PIPE	11	B-J	B9.21	UT	
03-030-010	2" SCH 160 NOZZLE-TO-PIPE 2" SCH 160 PIPE-TO-NOZZLE	1	B-J	B9.21	UT	
			B-J		UT	
03-033-040	2" SCH 160 PIPE-TO-VALVE	1	IR-1	B9.21	UI	

03-034-040	2" SCH 160 PIPE-TO-VALVE	1	B-J,	B9.21	ÜT		1
03-038-004	VERTICAL SUPPORT COLUMN ASSEMBLY	1	F-A	F1.40A			VT-3
03-038-005	VERTICAL SUPPORT COLUMN ASSEMBLY	1	F-A	F1.40A			VT-3
03-038-006	VERTICAL SUPPORT COLUMN ASSEMBLY	1	F-A	F1.40A			VT-3
03-038-007	VERTICAL SUPPORT COLUMN ASSEMBLY	1	F-A	F1.40A			VT-3
03-044-400	SNUBBER	2	F-A	F1.20C			VT-3
03-044-420	SNUBBER	2	F-A	F1.20C			VT-3
03-044-430	SNUBBER	2	F-A	F1.20C	11.000		VT-3
03-044-440	SNUBBER	2	F-A	F1.20C			VT-3
03-044-470	SNUBBER	2	F-A	F1.20C			VT-3
03-046-640	VARIABLE SPRING	2	F-A	F1.20C			VT-3
03-046-670	SWAY STRUT W/WELDED ATTACHMENT	2	F-A	F1.20A			VT-3
03-046-680	Y-STOP	2	F-A	F1.20A			VT-3
03-046-700	Y-STOP	2	F-A	F1.20A			VT-3
03-046-730	Y-STOP	2	F-A	F1.20A			VT-3
03-046-740	GUIDE & Y-STOP	2	F-A	F1.20B			VT-3
03-046-770	AXIAL STOP	2	F-A	F1.20A			VT-3
03-048-580	Y-STOP	2	F-A	F1.20A			VT-3
03-048-610	GUIDE	2	F-A	F1.20A			VT-3
03-048-630	Y-STOP	2	F-A	F1.20A			VT-3
03-048-640	VARIABLE SPRING	2	F-A	F1.20C			VT-3
03-059-260	18" SCH 40 PIPE-TO-6" SCH 40 BRANCH WELD	2	CF1	C5.41		PT	
03-059-290	18" SCH 40 PIPE-TO-6" SCH 40 BRANCH WELD	2	CF1	C5.41		PT	
03-059-650	VARIABLE SPRING	2 .	F-A	F1.20C			VT-3
03-061-2250	VALVE SUPPORT - SNUBBER FOR VALVE 3HV-9336	2	F-A -	F1.40C			VT-3
03-061-2260	VALVE SUPPORT - SNUBBER FOR VALVE 3HV-9336	2	F-A	F1.40A			VT-3
03-061-720	8" CONTROL VALVE BODY WELD (DRAWING NO. S023-501-5-1-109	2	C-G	C6.20		PT	
03-062-350-01	LPSI PUMP #1 SUPPORT COMPONENTS	2	. F-A	F1.40B			VT-3
03-062-350-02	LPSI PUMP #1 SUPPORT COMPONENTS	2	F-A	F1.40B		•	VT-3
03-062-350-03	LPSI PUMP #1 SUPPORT COMPONENTS	2	F-A	F1.40B			VT-3
03-066-985-01	LPSI PUMP #2 SUPPORT COMPONENT	2	F-A	F1.40B			VT-3
03-066-985-02	LPSI PUMP #2 SUPPORT COMPONENT	2	F-A	F1.40B			VT-3
03-066-985-03	LPSI PUMP #2 SUPPORT COMPONENT	2	F-A	F1.40B			VT-3
03-068-1060	GUIDE	2	. F-A	F1.20A			VT-3
03-068-1070	GUIDE & Y-STOP	2	F-A	F1.20B			VT-3
03-068-330	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-068-370	4" PIPE-TO-TEE	2	CF1	C5.21	UT	PT	
03-068-390	4" X 4" X 4" SCH 80S TEE-TO-PIPE	2	CF1	C5.21	UT	PT	
03-068-430	4" SCH 80S PIPE-TO-TEE	2	CF1	C5.21	UT -	PT	
03-068-440	4" SCH 80S TEE-TO-PIPE	2	CF1	C5.21	UT	PT	
03-068-450	4" SCH 80S TEE-TO-REDUCER	2	CF1	C5.21	UT	PT	
03-068-460	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-068-500	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-068-950	GUIDE & Y-STOP	2	F-A	F1.20B			VT-3
03-068-960	GUIDE	2	F-A	F1.20A			VT-3

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03-069-3060	GUIDE	2	F-A	F1.20A			VT-3
03-069-3240	Y-STOP	2	F-A	F1.20A			VT-3
03-069-3280	Y-STOP	2.	F-A	F1.20A			VT-3
03-069-3520	ANCHOR STRAP	2	F-A	F1.20B			VT-3
03-069-3640	SWAY STRUT	2	F-A	F1.20A			VT-3
03-070-1040	2" SCH 160 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1050	2" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-110	4"X 4"X 4" SCH. 80S TEE-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1110	2" SCH 160 PIPE BEND-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1140	2" SCH 160PIPE BEND TO ELBOW	2	CF1	C5.21	UT	PT	
03-070-1150	2" SCH 160 ELBOW-TO-TEE	2	CF1	C5.21	UT	PT	
03-070-1170	2" X 2" X 3/4" REDUCER TEE-TO-PIPE BEND	2	CF1	C5.21	UT	PT.	
03-070-120	4" SCH. 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-130	4" SCH. 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1350	2" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1580	4" X 4" X 4" SCH 120 TEE-TO-PIPE	2	CF1	C5.21	UT	PT -	
03-070-1590	4" SCH 120 PIPE-TO-ELBOW	2	CF1	C5.21	UT .	PT	
03-070-160	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1600	4" SCH 120 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1650	4" SCH 120 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1660	4" SCH 120 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1670	4" SCH 120 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1680	4" SCH 120 ELBOW-TO-PIPE	2	CF1.	C5.21	UT	PT	
03-070-1690	4" SCH 120 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-170	4" SCH 80S ELBOW-TO-PIPE	2	CF1.	C5.21	UT	PT	
03-070-1700	4" SCH 120 ELBOW-TO-REDUCER	2	CF1	C5.21	UT	PT	
03-070-1710	4" X 3" REDUCER TO 3" SCH 160 PIPE	2	CF1·	C5.21	UT	PT	
03-070-1720	3" SCH 160 PIPE-TO-ELBOW	2	CF1·	C5.21	UT	PT	
03-070-1730	3" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1790	3" SCH 160 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-1800	3" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-1810	3" SCH 160 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-190	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-200	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-210	4" SCH 80S PIPE-TO-ELBOW	2	CF1-	C5.21	UT	PT	
03-070-2160	GUIDE	2	F-A	F1.20A			VT-3
03-070-220	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	
03-070-230	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	
03-070-2660	AXIAL STOP	2	F-A	F1.20B			VT-3
03-070-2680	3-WAY STOP	2	F-A	F1.20B			VT-3
03-070-2710	2 SNUBBERS	2	F-A	F1.20C		, , , , , , , , , , , , , , , , , , , ,	VT-3
03-070-2740	GUIDE	2	F-A	F1.20A			VT-3
03-070-2860	SPRING	2	F-A	F1.20C			VT-3
03-070-2890	3-WAY STOP	2	F-A	F1.20B			VT-3
03-070-960	2" SCH 160 PIPE-TO-ELBOW	2.	CF1	C5.21	UT	PT	

03-070-970	2" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
03-070-980	2" SCH 160 PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT			
03-070-990	2" SCH 160 ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
03-071-150	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT	.*		
03-071-1500	GUIDE & Y-STOP	2	F-A	F1.20B		•	VT-3		
03-071-1550	GUIDE	2.		F1.20A			VT-3		
03-071-160	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
03-071-1670	Y-STOP	2	F-A	F1.20A			VT-3		
	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT			
1000	GUIDE	2	F-A	F1.20A	,		VT-3		
	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
	4" SCH 80S PIPE-TO-ELBOW	2	CF1	C5.21	UT	PT			
03-071-210	4" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
	2" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT			
03-071-260	2" SCH 80S PIPE-TO-ELBOW	2 .	CF1	C5.21	UT	PT	A		
03-071-360	2" SCH 80S ELBOW-TO-PIPE	2	CF1	C5.21	UT	PT	4.		
03-072-1410	Y-STOP VALVE SUPPORT	2	F-A	F1.40A			VT-3		
03-080-220	SUPPORT, CRADLE BANDS - UPPER	2	F-A	F1.40B		·	VT-3		
03-080-230	SUPPORT, CRADLE BANDS - LOWER	2	F-A	F1.40B			VT-3 .		
03-082-040	14" SCH 160 PIPE-TO-END CAP	2	CF1	C5.11	UT	PT ·			
SYSTEM LEAKAG	E TEST COMPLETED								
PROCEDURE.	SYSTEM -	CLASS	CATEGORY	TEST					
SO23-XVII-3.1.1	REACTOR COOLANT	1	B-P	VT-2					
SO23-XVII-3.2.2	MAIN STEAM	2	C-H	VT-2					
SO23-XVII-3.2.3	MAIN AND AUXILIARY FEEDWATER	2	С-Н	VT-2					
CODE CASES API	CODE CASES APPLICABLE TO THIRD TEN-YEAR ISI INTERVAL, 1) N-460, 2) N-481, 3) N-498-1, 4) N-504-2, 6) N-598, 7) N-638-1								

5 ATTACHMENT-3

ABSTRACT AND FORM NIS-2 OWNER'S REPORT FOR REPAIR / REPLACEMENT ACTIVITY

Unit 3 Cycle 15 Abstract of Records of Repairs and Replacements

Γ	WO	EQID	Class	NIS-2	Work Summary
1	05010694001	3PV0201A	III-2	6/10/2008	Replaced spindle
2	05100979000	3PV0100A	III-1	3/6/2009	Repaced upper bellow bonnet assembly
3	05100993000	3PV0100B	III-1	3/6/2009	Replaced upper bellow bonnet assembly
4	05120826000	3LV0110A	III-2	6/13/2008	Replaced spindle/plug assembly
5	06030303000	N60061-00-0004	III-2	7/31/2008	Replaced adjustment bolt on spare PSV
6	06121158000	S31201MP002	III-1	3/31/2008	Replaced mechanical seal
7	07021195000	S31201ME087	III-1	3/27/2008	Structural overlay of pressurizer surge nozzle
8	07111286000	3PSV9226	111-2	3/31/2008	Replaced safety valve
9	800049501	S31301ME088P	III-1	3/4/2009	Replaced SG manway cover bolting
10	800049503	S31301ME089P	III-1	3/4/2009	Replaced SG manway cover bolting
11	800049590	3PSV8402	III-2	3/4/2009	Replaced valve and inlet bolting
12	800049658	3PSV8407	III-2	3/4/2009	Replaced valve and inlet bolting
13	800049664	3PSV8408	III-2	3/4/2009	Replaced valve and inlet bolting
14	800049669	3PSV8409	III-2	3/4/2009	Replaced valve and inlet bolting
15	800049709	3PSV8416	111-2	3/4/2009	Replaced valve and inlet bolting
16	800049712	3PSV8417	111-2	3/4/2009	Replaced valve and inlet bolting
17	800050994	S31301ME088	III-1	2/17/2009	Replaced handhole cover bolting
18	800052696	3PSV9349	III-2	2/16/2009	Replaced valve
19	800056317	S31204MU068	111-1	2/5/2009	Replaced valve bonnet
20	800057549	S31204MR227	ill-1	3/6/2009	Fabricated vent valve assembly
21	800063968	S31204MU029	III-1	3/3/2009	Overhaul check valve
22	800051005	S31220MX034	III-2	2/23/2009	Replaced flange bolting
23	800066641	MSSV Inlet Flange Studs	111-2	3/4/2009	Fabricate 60 Inlet Studs for Main Steam Safety Valves
24	800071005	3PSV0201	III-1	3/3/2009	Replaced pressurizer safety valve
25	800077981	S31201ME087	111-1	2/27/2009	Replaced (6) pressurizer heaters
26	800078112	S31201ML015	111-1	2/27/2009	Structural overlay of hot leg surge nozzle
27	800078112	S31201ML016	III-1	2/27/2009	Structural overlay of shutdown cooling nozzle
28	800078112	S31201ML018	III-1	2/27/2009	Sturctural overlay of hot leg drain nozzle
29	800083097	S31204MU018	III-1	3/3/2009	Replaced 3" check valve
30	800084423	S31204MU029	111-1	3/3/2009	Seal weld hinge pin closure plugs
31	800141490	3PSV0201	III-1	3/3/2009	Replaced pressurizer safety valve
32	800141541	3PSV0200	III-1	See note 1	Replaced pressurizer safety valve
33	800160365	\$31201MP001	III-1	3/4/2009	Replaced mechanical seal
34	800160452	S31201MP004	III-1	3/4/2009	Replaced mechanical seal
35	800166195	S31204MR227	III-1	3/6/2009	Replaced double vent valve assembly
36	800177969	S31305MU124	111-2	3/3/2009	Replaced poppet in check valve
37	800180638	S32417MU016	III-2	3/4/2009	Replace valve seat
38	800181895	S3ST001H025T	III-2	1/6/2009	Replaced snubber
39	800184237	S3RC031H001	III-1	1/8/2009	Replaced snubber
40	800185890	S3ST002H007E	III-2	1/12/2009	Replaced snubber
41	800187989	S3VC001H009A	III-2	1/14/2009	Replaced snubber
42	800188198	S3ST001H005	III-2	1/16/2009	Replaced snubber
43	800189685	S3ST001H002	III-2	1/20/2009	Replaced snubber
44	800190035	S31204MU029	111-1	3/3/2009	Fabricated (2) hinge pin closure plugs
45	800191029	S31204MU029	III-1	3/3/2009	Machined valve disc hinge pin bores
46	800194220	S31101MV001A	III-1	1/27/2009	Weld repaired vessel head at CEDM #64

Note 1. Reused inlet flange nuts from 3PSV0201 were used on 3PSV0200 without recording the heat codes. The traceability issue was described in notification 200331548. All the new and reused nuts were VT-1 examined and were acceptable. SCE confirmed that the affected safety valve remained operable. The associated NIS-2 data report will be completed once the pending traceability issue has been resolved. It will be submitted with a subsequent NIS-1.

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

* - * - *	•							
1. Owner: Southern C Address: 2244 Wal			nia 917	Date: 0			She	et 1 of 1
				Unit: 3				
2. Plant: San Onofro Address: P.O. Box	e Nuclear Generatin 128, San Clemente,	-	-0128	Repair/R	eplacement		ASME SECT DATA-0599	ION X
				MO/CW	O: 050106	94001	•	
Work Performed by Address: 2244 Wali					de Symbol : ation No:	•	N/A N/A	
4. Identification of Sy	stem: Chemical and	d Volume Control		Expiration	n Date:		N/A	
5. (a) Applicable Cons	struction Code: ASI	ME Section III, Cla	ass 2, 19°	74 Edition, Sur	mmer 1974	Adden	<u>ıda.</u>	
								.'
(b) Applicable Editi	on of Section XI Us	ed for Repair/Rep	lacement	Activity: 19	95 Edition,	1996 /	Addenda	
6. Identification of Co	mponents:			•				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Ident	ification	Year Built	Corrected, Removed, or Installed	ASME Code Stampe Yes/No
2" 600# Globe Valve	Control Components	100142-10-1	N/A	3PV0201A		2000	Corrected	Yes
Spindle	Control Components	600296	N/A	RSO-1615-05, N07718 (RoR-		2005	Installed	Yes
	Components			1407710 (14014-				
7. Description of Work Replaced the spindle ASME XI Data flag -	in the valve in plant	location 3PV0201	A with a	n in-kind repla	acement spir	ndle in	accordance w	vith
								•
					* .			
				·				
				·			·	
	,							
Tests Conducted: Hydr	rostatic Pne	eumatic No	minal Op	erating Pressure	· man record	empt	Other	
<u>See:</u>	AR 080300738-10	Pre	ssure: ≥	2250 psi	Test Ten	np: N/	A °F	

FORM NIS-2 (back)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorizaton No: N/A Signed: Section XI. CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford: Connecticut have inspected the compone described in this Owner's Report during the period 5/10/08 to Colo Colo and state that 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 A2 C California Inspector's Signature Date 6/16/08	(Applicable Manufacturer's Data	Reports to be attached)
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorizaton No: N/A Signed: Supervising ASME Codes Engineer Date: 5/23/08 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford. Connecticut have inspected the compone described in this Owner's Report during the period 5/10/25 to 4/10/25 and state that 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 office of the Asmediate of the Asmedi	CERTIFICATE O	
Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Signed For Al Meichler Supervising ASME Codes Engineer Date: 5/23/08 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford: Connecticut have inspected the compone described in this Owner's Report during the period 5/10/08 to 6/10/08, and state that 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 A2081 California National Board, State, Province, and Endorsements	en e	
Certificate of Authorizaton No: N/A Signed For Al Me chiev Supervising ASME Codes Engineer Date: 5/23/08 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford: Connecticut have inspected the componed described in this Owner's Report during the period 5/10/05 to 10/00/05 and state that 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 A2/8 California Inspector's Signature National Board, State; Province, and Endorsements		nd that this conforms to the requirements of the ASME
Signed For Al Metchler Supervising ASME Codes Engineer Date: 5/23/08 CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford Connecticut have inspected the componed described in this Owner's Report during the period 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 inspector. Commission A 2 8 California National Board, State, Province, and Endorsements	Code, Section XI.	
Signed For Al Merchler Supervising ASME Codes Engineer Date: 5/23/08 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION The undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and he State or Province of California, and employed by HSB-CT of Hartford; Connecticut have inspected the compone lescribed in this Owner's Report during the period best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in Sowner'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. Commission A California National Board, State, Province, and Endorsements	Type Code Symbol Stamp: N/A	
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CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford; Connecticut have inspected the component of the State 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 examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his mployer 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 A 2 8 California Inspector's Signature Commissions A 2 8 California National Board, State, Province, and Endorsements	4 0	
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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 properties. Commissions A 2 8 California Inspector's Signature National Board, State, Province, and Endorsements	he State or Province of <u>California</u> , and employed by <u>HSB</u> - escribed in this Owner's Report during the period he best of my knowledge and belief, the Owner has perforn his Owner's Report in accordance with the requirements of the	CT of Hartford. Connecticut have inspected the component 5 10 08 to 10 08, and state that to ned examinations and taken corrective measures described in the ASME Code, Section XI.
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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1. Owner Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 2. Plant: San Onofre Nuclear Generating Station Address: P.O. Box 128, San Clemente, California 92674-0128 3. Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Type Code Symbol Stamp: N/A Authorization No: N/A
2. Plant: San Onofre Nuclear Generating Station Address: P.O. Box 128, San Clemente, California 92674-0128 Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Ont: 3 Repair/Replacement Plant ASME SECTION DATA-0234 MO/CWO: 05100979000 Type Code Symbol Stamp: N/A Authorization No: N/A
Address: P.O. Box 128, San Clemente, California 92674-0128 3. Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Type Code Symbol Stamp: N/A Authorization No: N/A
3. Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Authorization No: N/A
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Authorization No: N/A Authorization No: N/A
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4. Identification of System: Reactor Coolant Expiration Date: N/A ^{ELL-ELL}
5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, Summer 1973 Addenda.
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition, 1996 Addenda
6. Identification of Components: 1991 (1995) in the following that the state of the
Name of Component Name of Manufacturer Manufacturer Seguil National Other Identification Year Removed, or Code
Built Cinstalled Stamps No. 2 Constitution of the state o
4" 2500# Flow Control Hammel-Dahl 74/5798/001 N/A 3PV0100A 1977 Corrected Ves
Valve Cónoflow. Constant a consta
Upper Bellows Bonnet Anderson, Greenwood & Co. K99944-31-0002 N/A RSO-1460-06 2006 Installed Yes
the state of the s
7. Description of Work:
The upper bellows bonnet assembly (including the valve plug and upper bonnet studs) was replaced on the valve in plan
location 3PV0100A. A VT-1 examination was performed on the replacement study in accordance with NPS Order
800074494 with satisfactory results.
A first of the common than the second of the
8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure X Exempt Other
VT-2 performed per Procedure SO23-XVII-3.1.1 Pressure: ≥ 2250 psi Test Temp: ≥ 280 °F

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9.	Remarks:	None.
`,	R GHISH R C	INCHIE.

(Applicable Manufacturéi's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorizaton No: N/A

Expiration Date: N/A

Signed Signed For Al Meichler Supervising ASME Codes Engineer Date: 11/11/08

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

Owner Southern C Address: 2244 Wah			nia 917	770	11/1-1/08		Sh	eet 1 of 1
2. Plant: San Onofre Address: P.O. Box 1	e Nuclear Generatii 128, San Clemente	ng Station	-0128	Repa	ir/Replacemen		ASME SECT DATA-0234	IX NOI
3. Work Performed by Address: 2244 Waln4. Identification of Systems	nut.Grove Avenue,	Rosemead, Califor	-	70 Type Auth	CWO: 051009 Code Symbol orization No: ation Date:		N/A N/A	it saids Book and
5. (a) Applicable Cons				71 Edition	Summer 197	Adde	nda ita ita	
(b) Applicable Edition	on of Section XI U		am f			\$		
6. Identification of Con	nponents:							, ,
Name of Component ::	Name of Manufacturer	Manufacturer Serial	National Board No.	Other I	dentification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
4" 2500# Flow Control Valve	Hammel-Dahl Conoflow	74/57/98/002 @gody Chanel and	N/A - Caraca	3PV0100B		1977	Corrected	Yes
1 1	Anderson. Greenwood & Co.	K99944-31-0001- 502. 11 12 mm Cl. 1 18 10.05 yr		RSO-1273-		2006	Installed	Yes
7. Description of Work: The upper bellows bor location 3PV0100B. A 800074494 with satisfic	nnet assembly (incl A VT-1 examination							
· · · · · · · · · · · · · · · · · · ·	s and the large state defendence we argue security	THE PERSON AND ADDRESS NAME OF THE PERSON NAME OF T						• • •
						- va		
-							·	
8. Tests Conducted: Hydron	static Does	umatic Non	ninal Onei	ating Pressu	re X Exe	napt –	Other	
•	er Procedure SO23-	·		2250 psi	Test Tem	• • • • • • • • • • • • • • • • • • • •		iJ

Remarks:	

(Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE 97124k.260 har def I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. SHE BOOK IN Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorizaton No: N/A nler Supervising ASME Codes Engineer Date: 11 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION 1, 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 HSB-CT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 101008 to 1111408 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. The second secon 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 CA208 National Board, State, Province, and Endorsements

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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section X!

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		California Edison Co nut Grove Avenue,		nia 017	70 ′ ′′′	06/13/08	•	She	et I of I
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		e Nuclear Generatin 128, San Clemente,			Repair/	Replacement		ASME SECT DATA-0581	ION XI
Address. P.C		128, San Ciemente,		0126 26027.a	MOVCW	/O: 051208:		DA1A+0361	jag jiro
3. Work Perfor	med by	: Southern Californ	nia Edison Compar	ıy				NI/A	dir is
Address: 22	44 Walı	nut Grove Avenue, l	Rosemead, Californ	nia 9177		ode Symbol S zation No:	-	N/A N/A	
4. Identification	n of Sy	stem: Chemical an	d Volume Control		Expirati	on Date:		N/A	
5. (a) Applicab	le Cons	struction Code: ASI	ME Section III. Cla	$as^{\frac{1}{5}}$ 2, 19	71 Edition, St	ımmer 1973	Adden	da (valve): As	SME
			tion III, Class 2, 19						
		11 00 11 7777				005701111	1000	er e	
(b) Applicab	le Editi	on of Section XI Us	sed for Repair/Repl	acement	Activity: 1	993 Edition,	1996 <i>F</i>	Addenda 3 3 3	
6. Identification	n of Co	mponents:	and the second seco			A TANK A CONTRACTOR		ж.н оо т. т., -	
	* * * * *	T	A CONTRACTOR OF THE CONTRACTOR			<u></u>		Corrected,	ASME
Name of Com		Name of Manufacturer		National: Board	Other Ider	ntification	Year Built	Removed, or Installed	Code Stamped
The state of		harrows, is the large		Ņo.			57.1		Yes/No
		Control	35208=123		3LV0110A		1985	Corrected	Yes
Angle/Drag Valv	/e - :	Components 2200 141	niamo is allo como E Codel Spelado in				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
Spindle (Plug)		Control	600685	N/A	RSO-0917-06	, SB 637-	2006	Installed	Yes
	elika 1922 Ngjarjes	Components	er kanadan 1999 ses Prokanadan	ans bend Trabets	N07718	indin Egypta (k.) 18.6 marktina	\$ 27 7:		
	r	ristis, profit is	. V (3182) 731	202	("1 -1] ()				
7. Description of	of Work	: g							
		on the valve in plan			an in-kind rep	lacement spi	ndle in	accordance v	vith
ASME XI Dat	ta flag -	:0581. de la espera	Contract Contract	16) 12					
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8. Tests Conducte	-	1	L.,		erating Pressur		mpt	Other	
	See:	AR 080300738-09	Pre	ssure: ≥	320 psi	Test Tem	$p: \frac{N/L}{L}$	• F	

(Applicable Manufacturer's Data Rep	oorts to be attached)
CERTIFICATE OF	COMPLIANCE
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Certificate of Authorizaton No: N/A	Expiration Date: N/A
	ng ASME Codes Engineer Date: 6/13/08
Owner or Owner's Designee, Title	
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CERTIFICATE OF INS	ERVICE INSPECTION
	The second of the second secon
I, the undersigned holding a valid commission issued by the N	lational Board of Botter and Pressure vessel hispectors and
the State or Province of California, and employed by HSB-C	T of Hartford, Connecticut have inspected the component
described in this Owner's Report during the period	$\frac{6}{13}$ or $\frac{6}{13}$ to $\frac{6}{13}$ or $\frac{6}{13}$, and state that to
the best of my knowledge and belief, the Owner has performe	ed examinations and taken corrective measures described in
this Owner's Report in accordance with the requirements of the	e ASME Code, Section XI.
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By signing this certificate, neither the Inspector nor his emplo	ver makes anywarranty expressed or implied concerning
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R80-0917-06 Form N-2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL **NUCLEAR PARTS AND APPURTENANCES***

As Required by the Provisions of th ASME Code, Section III.

•	ied by	C C I, 22591 Aven					
Manufactured for SO	LITHERN CALLEDON	IIA EDISON ROSEME			ertificate Hold	er) Pas (*	,∫akr ≘wara Tra
	- INERN CAER CRIV	— — — — — — — — — — — — — — — — — — —			r)		or year start
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Type 12720012	2000	1107740		, .	N/A		Conno i The
Type 12720012 (drawing n		-NO7718 at'l spec. no.)	(tensile stre		(CRN)		2006 (year built)
ASME Code, Section III,	** * **	1989 NO	ADDENDA	بيس يامه	2	- 550 AC 2 4 15	V//A
, , , , , , , , , , , , , , , , , , ,	(6	edition) (add	denda date)	, (cla	ss)		Case no.)
Fabricated in accordance	with Const. Spec. (c	div. 2 N/n	Α	Revision	N/A	Date	N/A
A company		trois (no)				
Remarks FOR 1.5" X	1.5"-1500 SPECIAL (CLASS, LETDOWN C	ONTROL VAL	VE-P/N 35208	3-1 <u>)</u>), <u> </u>	ا القرار المراك المراك	
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^{*}Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11 (2) information in items 1 through 4 on this DataReport is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

RSO-0917-06

Form N-2

FORM N-2 (Back - Pg. 2 of 2)

	W. W. C. C. C. March	ertilicate noidel's Serial No.	600685 : mough :: N/A
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Design Specification certified by	N/A * * * * * * * * * * * * * * * * * * *	P.E. State W. N/A	Reg. no: N/A
. Design Report * certified by	N/A (when applicable)	P.E. State N/A N/A	Reg. no. N/A
e de la companya de l	- GERTIFICATE	OF COMPLIANCE (1995)	the car we will be seen
•	made in this report are correct ruction of the ASME Code, Sect		SPINDLE
NPT Certificate of Authorization N		nonuell materials	Expires August 14, 2006
Date 4-18-16 Name.	(NPT Certificate Holder)	Signed	(Authorized representative)
I, the undersigned, holding a valid the State or Province of <u>CALIFOR</u> have inspected these items descri	RNIA and employed by HSBCT	Board of Boiler and Pressure	Vessel Inspectors and
4/25/5/ fabricated these parts or appurtena on the date shown above. By signing this certificate, neither the	, and state the ances in accordance with ASME Service in the inspector nor his employer make	ction III, Division 1. Each part I	ed, concerning the equipment described
in this Data Report. Futhermore, no for any personal injury or property of Date 4/25/56 Signed	damage or loss of any kind arising f	rom or connected with this insp	ection.
··	(Authorized Inspector)	(Nat'l Bd. (including	g endorsement) and state or prov., and no.)

**NOTE: DUE TO SIZE AND CONFIGURATION "NPT" CODE STAMPING IS NOT POSSIBLE. TRACEABILITY CAN BE MAINTAINED BY THE IDENTIFICATION AS, NOTED BELOW.

*CCI SFC# - 600685 CCI P/N -127201122XX MAT'L HT# - 289D **MAT'L TYPE - SB 637-INC718

*ID on bottom of spindle

**ID on top of spindle

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1	Tiwher. Someth Camorna Europi Company	Date:	06/23/08	Sheet 1 of 1
•	Address: 2244 Walnut Grove Avenue, Rosemead, California 917.70		Α	
2.	Plant: San Onofre Nuclear Generating Station Address: P.O. Box 128, San Clemente, California 92674-0128	Repair	Replacement Plan:	ASME SECTION XI DATA-0207
		MO/C	WO: 06030303000	
3.	Work Performed by: Southern California Edison Company	Туре С	Code Symbol Stamp:	N/A
	Address: 2244 Walnut Grove Avenue, Rosemead, California 91770	Author	ization No:	N/A
4.	Identification of System: Safety Injection and Shutdown Cooling	Expira	tion Date:	N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 1995 Edition, 1996 Addenda

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
6" x 8" Relief Valve (L- Top)	Crosby Valve & Gage	N50061-00-0004	N/A	Removed from 2PSV9349 on MO 04060708	1984	Corrected	Yes
2-1/2" Adjusting bolt	Anderson, Greenwood & Co.	Ht. Code 6598H, S/N N91316-41- 0016	ង់ ២៦១	RSO-1955-00, SA479 gr.	N/A	Installed	No

7. Description of Work:

Replaced the adjusting bolt with an in-kind replacement adjusting bolt on the valve that was removed from plant location 2PSV9349 on MO 04060708 in accordance with ASME XI/Data flag - 0207. The valve was returned to warehouse stock.

Note: VT-2 examination to be performed after installation.

06 03 03 03 - 0

8. Tests Conducted: Hydrostatic	Pneumatic	Nominal Operating Pressure		Exemp	t	Other
		Pressure: N/A	psi	Test 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.

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	CERTII	FICATE OF CON	IPLIANCE	-1	.,	્રસ્થ પ્રસ્તુ પુરસ	20 C
I certify that the statements:		e correct and that	this conforms t	o the require	ments of	the ASME	
Code, Section XI. Type Code Symbol Stamp:	N/A (5.2)	Bud A	gronzes, er e Mayo L.C.,	and the first	New Control of the Co	x = x = T	
Certificate of Authorization 1	No: N/A		Expiration Date	:: N/A	1		
Signed: They Sat	Sar Al Meichla	Supervising A	SME Codes En	gineer Date	: <u>6/2</u>	5/08	
Owner or Owner's I	Designee, Title						

CERTIFICATE OF INSERVICE INSPECTION	y de Literatus
1, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vesse	
the State or Province of California, and employed by HSB-CT of Hartford, Connecticut have inspect	and state that to
described in this Owner's Report during the periodto	, and state mat to
the best of my knowledge and belief, the Owner has performed examinations and taken corrective meass	ires described in
this Owner's Report in accordance with the requirements of the ASME Code, Section XI.	(หุ่∋) และได้ของได้
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or imp	lied, concerning
the examinations and corrective measures described in this Owner's Report. Furthermore, neither the In-	
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.	18 5
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Commissions CA#208 - California Inspector's Signature National Board, State, Province, and Endo	rsements
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Date 7/31/08	7.1
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FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern C Address: 2244 Wal		• •	nia 917	Date: 02/21/08 70 Unit: 3		She	et 1 of 1
	e Nuclear Generatin 128, San Clemente,		0128	Repair/Replacement	: 1	Prie legitor	
3. Work Performed by Address: 2244 Wal		· · · · · · · · · · · · · · · · · · ·	_	MO/CWO: 0612113 Type Code Symbol S Authorization No:			de l'artis
4. Identification of Sy	stem: Reactor Coo	lant i gran pografi,	, 3	Expiration Date:		N/A	n 17.99 t
	<u>Edi</u>	tion, Summer 1982	Addence	71 Edition, Winter 1971 A la (Seal Cartridge). Activity: 1995 Edition,	284 4		80
6. Identification of Co	Sand Carlotte Control				**** a ********		
Name of Component	Name of Manufacturer	Serial No.	National Board No	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
36" Reactor Coolant Pump	Byron Jackson	701-N-0564.200	N/A	\$3-1201MP.002		Corrected	Yes
Mechanical Seal Cartridge	Bingham- Williamette	1714880-3	1172	SO23-CART-#22	1986	Removed	Yes
Mechanical Seal	Bingham-	1714880-5	1165	SO23-CART-#15, Rebuilt	1986	Installed	Yes
Cartridge	Williamette			under MO 03011963			
7. Description of Work	:					· · · · · · · · · · · · · · · · · · ·	
The RCP seal cartridg	ge was replaced with			built in accordance with the gram to be rebuilt under Mo			ogram.
$V \rightarrow \frac{1}{2}$	the state of the s		\				
			,				•
8. Tests Conducted; Hyd	rostatic Pne		_	L	mpt [Other	
See:	AR 061200754-25	Pres	ssure: ≥	2250 psi Test Tem	p: ≥3	³³⁰ °F	

State of Brown

9. Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorizaton No: N/A

Expiration Date: N/A

Supervising ASME Codes Engineer Date: 3/12/08

Owner or Owner's Designee, Title

医隐髓性病 网络克里

CERTIFICATE OF INSERVICE 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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 3/37/07 to <u>3/31/08</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 requirements of the ASME Code, Section XI. A The companies of the control of th

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 N & I

National Board; State, Province; and Endorsements

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WO: 06121158000 "

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

As Required by the Provisions of the ASME Code Section XI

1.	Owner: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770	Date: 1/21/08	Sheet 1 of 1
	Address: 2244 Walnut Grove Avenue, Rosenheau, CA, 91770	Unit: 3	de tropo de la compansión
2.	Work Performed by: Welding Services Inc. Address: 2225 Skyland Court, Norcross, GA 30071	Repair/Replacement Plan: 906-6)7
3.	Plant: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770	MO/CWO: 07021195000	San San James
4.	Identification of System: Reactor Coolant System (1201)	Type Code Symbol Stamp: Authorization No: Expiration Date:	N/A N/A N/A
5.	(a) Applicable Construction Code: ASME Section III, Class 1, 1	1971 Edition, Summer 1971 Addend	a (vessel)
	(b) Applicable Edition of Section XI Utilized for Repairs/Repla Code Case N638-1 and N504-2/ Relief Request ISI-3-25 and I 4540, 1998 Edition, 2000 Addenda.	SI-3-28; Pressure testing performed	
6.	Identification of Components Repaired or Replaced and Repla		<u> </u>
	Name of Name of Manufacturer National Component Manufacturer Serial No. Manufacturer Board No. I	Other Year Removed, of dentification Built Installed	ASME Code Stamped Yes/No
	Pressurizer Vessel CE. CE. 70603 pt 21496 S3	1201ME087 1976 Description of Work below	
7.	Description of Work: During the 2007 Unit 3 Mid/Cycle scheduled outage, this description on the surge nozzle safe end weld and safe end to provide to PWSCC and is ASME Class 1 located on the bott nozzle ISI Identification number (03-005-031), this safe end weld filler is alloy 82/182 (F43 equivalent to 43) welded to low weld overlay repair was used to provide compressive residual potential crack growth problem as a preemptive measure. The with Inconel alloy UNS # (N06054) / ERNiCrFe-7A material to the weld metal overlay which is resistant to both crack initiation weld overlay was installed and it will remain in place for the devaluation.	pipe weld. This dissimilar metal we tom of the pressurizer vessel. Or is austenitic stainless steel (P8), we alloy (P3) vessel nozzle. A structural stress in the nozzle surface to the structural weld overlay was dusing the ambient temper bead in and propagation. The new structural structural weld overlay was dusing the ambient temper bead in and propagation.	veld is a surge the existing uctural address a eposited astallation o tructural
	Design Documents/Drawings: ECP 050701323-57		
	WSI Traveler Numbers: 104125-TR-001 and 104125-TR-004		
	Weld Data Sheet: OVL-031.		
	Reference Documents: Relief Request ISI-3-25 and ISI-3-28, Code	e Case: N638-J and N504-2.	
			•
8.	Tests Conducted: Hydrostatic: Pneumatic: Nominal Operat Pressure: >= 2255 psi Test Temp: >= 525 ° See AR: 070400863-04	ing Pressure: X Exempt: Oth	er:

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Supervising ASME Codes Engineer Signed: wner or Owner's Designee, Title and the analysis of the CERTIFICATE OF INSPECTION AND ARREST ARREST AND ARREST AND ARREST AND ARREST AND ARREST ARREST AND ARREST ARREST AND ARREST ARR 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 HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period $\frac{10}{1900}$ to $\frac{3}{2700}$, 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 the end of the free body on an officially The electric transfer and a rest connected with this inspection. Commissions (National Board, State, Province, and Endorsements)

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in x 11 inc.,

(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 af 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 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

the state of			carne a lage	And a series as a super-				
1. Owner: Southern C Address: 2244 Wal			nia 91770	Date: 03 Unit: 3	/12/08		She	eet 1 of 1
2. Plant: San Onofro Address: P.O. Box	e Nuclear Generatin 128, San Clemente,		0128	Repair/Re	placement		ASME SECT	
3. Work Performed by Address: 2244 Wali			-	MO/CWO Type Code Authorizat	e Symbol S	tamp:	N/A N/A	्राष्ट्र को है। या वे अस्तु वे
4. Identification of Sy	stem: Chemical and	d Volume Control	1 d.t v1.	Expiration			Ņ/A	Heriografia
5. (a) Applicable Cons	struction Code: ASI	ME Section III, Cla	ss 2, 1974	Edition, Sum	mer 1974			
(b) Applicable Editi	on of Section XI Us	ed for Repair/Repl		ottivity: <u>199</u>		1996 A	<u>ddenda</u>	10 10 10 10 10 10 10 10 10 10 10 10 10 1
6. Identification of Cor	mponents:	ىرانىيى ئارىلىدى ئارىكى ئ ئارىكى ئارىكى ئارىك		ter in the contract	* 1		en	
Name of Component	Name of Manufacturer	Manufacturer Serial No:	National Board No.	Other Identif	ication	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0013	, N/A 3	PSV9226		1985	Removed	Yes
1 1/2" x 2" Nozzle Type Relief Valve	Crosby Valve & Gage	N59380-00-0010	v.	25-83508 (Reb 1O 06100578)	inger Sati	1985	Installed	Yes
· ·	lve located in plant tested under MO 06	position 3PSV9220100578. The remo	6 with an i	n-kind rebuilt	and tested	spare.; 07111:	The replace 564.	ment _{s,}
ta sa ka a sa masa a sa s	and a second second							, i
e e e	t para mana na ina ina ina ina ina ina ina ina i						*** .	
								,
8. Tests Conducted: Hydr	ostațic Pne	umatic Nor	ninal Opera	iting Pressure	X Exe	mpt [Other	
See:	AR 071101119-02	Pres	ssure: ≥ 24	100 psi	Test Tem	p: <u>N/A</u>	A OF	

9. Remarks: None.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorizaton No: N/A

Expiration Date: N/A

Al Meichler Supervising ASME Codes Engineer Date: 3/

Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11727/07 to 3/31/08 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

Million to the man and a second con-

the property and the number of the first tra-

WO: 07111286000

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern			Name	Date: 01/27/09		S	heet 1 of 1
Address: 2244 Wa	Ilnut Grove Ave	nue, Rosemead, CA	91770	Unit: 3			
2. Plant: San Onofre Address: P.O. Box	Nuclear Genera 128, San Cleme	ting Station ente, CA 92672-012	. virb ram be 28	Repair/Replacem	ent Plai	i: GEN-205p	ingland i Shared in
3. Work Performed by Address: 2244 Wa				WO: 800049501	* .	general in the p	ara is ray ja i
4. Identification of Sy	y stem: Mechanio	cal Penetration (************************************		Type Code Symb Authorization No Expiration Date:		p: N/A = : N/A	general property.
5. (a) Applicable ©	onstruction Co	de: ASME Section I	II, Class I,	1971 Edition, S. '71 add	lenda		r Santa da esperanta
(b) ^ Applicable^E	dition of Section	n XI Utilized for Re	epair/Repla	acement Activity: 1995	Edition;	1996 Addenda	ere i i i i i i i i i i i i i i i i i i
6. Identification of Co	ina in the same of				****	Mark 16 to 1 t	~
Name of Component	Name of	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Steam Generator	CE	72270-2	22265	S31301ME088P	1977	Corrected .	Yes
1½" x 14¼" Stud (3)	Energy Steel	F#Heat#98694s 12		RSO-1116-97, SA540 gr.B24 Class 3)N/A	Installed	No
1½" x 14¼" Stud (1)	Energy Sieel	Heat # 98694		RSO-1144-97, SA540 gr.B24 Class 3	N/A	Installed	No.
1½" Hex Nut (3)	Westinghouse Electric	Heat # 7421869	N/A	RSO-2503-04, SA193 gr.B7	N/A	¹ Installed	No :
1½" Hex Nut (1)	Nove Machine Products	Heat # 72365-32-2 Heat Code RZW	N/A	RSO-1076-00, SA193 gr.B7	N/A	Installed	No
R3C15 outage activities the cold leg manway we and #16 on the hot leg reperformed on the new reperformed.	s. All studs and rere found to be unanway were for eplacement stud	nuts were VT-1 examinacceptable for con- und to be unacceptables and nuts with satist	nined upon tinued use a ble for cont factory resu	erator 3E088 were removed. The stud and not not replaced in-kind. The inued use and replaced in lts. A VT-2 examination procedure SO23-XVII-3.	ut in hole stud and n-kind. A and syst	e locations #15 d nut in hole lo \(\times VT-1 examina	and #20 on cations #10 ation was
						•	•
	·						
	•	· ·					
	• ,						
8. Tests Conducted:	Hydrostatic:	_ Pneumatic:	Nomina	l Operating Pressure:_	X E	xempt:	Other:
Pı	ressure: 22	2 <u>50</u> psi Test T	Гетр:	≥280 °F			

FORM NIS-2 (back)

9. Remarks: RoR-025-03 reconciles the replacement studs were certified to the 1989 Edition, no addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the r	eport are correct	and this c	onforms t	o the re	equiremei	nts of the	ASME Coo	le,
Section XI.		•	1 1		_			

Type Code Symbol Stamp:

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Code Engineer Date: Februari

15 off British

Owner or Owner's Designee, Title

100 Tab CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1010108 to 111408, 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 magner 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)

base sketches, or deavening may be seen in thin studies is redominable on management and

As Required by the Provisions of the ASME Code Section XI

				<u></u>			=======
1. Owner: Southern C Address: 2244 Wa		n Company	91770	Date: 01/27/09	•		heet_1 of 1
2. Plants Can Overfue	Nualaan Canana		ನ್ನಾ ಹಾಗು ಟ	3 & 7 Unit: 3 - 3		•	
2. Plant: San Onofre Address: P.O. Box		ente, CA 92672-042	28 _{1 141} 148	Repair/Replacen	ient Plai	ı: GEN-205p	e Charles
3. Work Performed by Address: 2244 Wa		lifornia Edison Com nue, Rosemead, CA		WO : 800049503	•		* # , * .
4. Identification of Sy	stem: Mechanic		por Note to space	Type Code Symb Authorization No Expiration Date:):	n: N/A N/A N/A	ndan 1
5. (a) Applicable Co	onstruction Co	de: ASME Section I	II, Class 1,	1971 Edition, S. '71 add	lenda	·	
(b) - Applicable Ed	lition of Section	XI Utilized for Re	epair/Repla	cement Activity: 1995	Edition;	1996 Addenda	1
6. Identification of Co	omponents:			12	٠.	the state of	•
Name of Component	Name of Manufacturer	Manufacturer	National Board-No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Steam Generator	c CE : :	::: π-72270-1maoδ	22264	S31301ME089P	1977.	Corrected.	· Yes
1½" x 14¼" Stud (2)		Heat # 98694151	N/A	RSO-1116-97, SA540 gr.B24 Class 3		Installed	No ·
1½" Hex Nut (2)	Westinghouse Electric Co.	Heat # 7421869	m N/A	RSO-2503-04, SA193 gr.B7	N/A	Installed	No
R3C15 outage activities manway was found to b location #20 on the hot replaced in-kind. A VT-	All studs and ne unacceptable fleg manway was lexamination v	uits were VT-I exam or continued use. The found to be unacce was performed on the	nined upon ne stud and ptable for c e new replace	erator 3E089 were remoremoval. The stud in holout at this location were ontinued use. The stud a cement studs and nuts wovers during start-up in a	e locatio replaced nd nut at ith satisfa	n#l'l on the co in-kind. The st this location was actory results. A	old leg tud in hole vere VVT-2
						, Via	••
		n was well a summary statement of the established		· · · · · · · · · · · · · · · · · · ·			٠
					·		
,							
8. Tests Conducted:	Hydrostatic:	_ Pneumatic:	Nomina	Operating Pressure:_	<u>X</u> E	xempt:	Other:_
Pt	ressure: 22	2 <u>50</u> psi Test T	Гетр:	≥280 °F			

9. Remarks: RoR-025-03 reconciles the replacement studs that were certified to the 1989 Edition, no addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

I certify that th	e state	ements	mad	e in the	repo	ort ar	e correc	conform	. ,			
Section XI.	4,	٠,٠	<i>:</i> .	17	1,		:				* 1	
	٠,			* ,*,			.7		11.	 		

Type Code Symbol Stamp: N/A

Certificate of Authorization No:

Expiration Date: N/A

account account a facilities of

Supervising ASME Code Engineer Date: February C

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/10/8 to 11/14/08, 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 **でたたがみとしても、まずれ、バー・ディ** 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 The state of the s this inspection

Commissions CA

(National Board, State, Province, and Endorsements)

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facility of the country of the

Jacobskie Light Vis

As Required by the Provisions of the ASME Code Section XI

									=======
1. Owner: Souther	n California Ed	ison Company		L. Art	Date: 01/0	8/09	1 99.		Sheet 1 of 1
Address: 2244 V	Walnut Grove A	venue, Rosemead, C	CA 91,77(Unit: 3				· · · · · · · · · · · · · · · · · · ·
2. Plant: San Onofi Address: P.O. B		erating Station emente, CA 92672-	0128		Repair/Rep	placeme		ı: ASME SE	
3. Work Performed Address: 2244 V		California Edison C venue, Rosemead, C		ian kump	WO : 80004	19590	· · · .	DATA-0186) - 1. 3g u
4. Identification of	System: Main	Steam System			Type Code Authorizat Expiration	ion No:		o: N/A N/A N/A	
		Code: ASME Section					are e di	, 191. 'Y.	
(b) Applicable 6. Identification of		tion XI Utilized for	And in		em Activity	: 1993 E	surtion,	1990 Adden	ida
Name of Component	Name of Manufacturer	Manufacturer Serial No:	National Board	I de la companya de l	Other dentification	7/85%	Year Built	Corrected Removed, Installed	or Code
6" x 10" Main Stm. Safety Valve	Crosby Valve, & Gage	N58787-01-0002	o(N/A).	1963 高山。	3PSV8402	વુજાનુ	1976	Removed	I. Yes
6" x 10" Main Stm. Safety Valve.	Crosby Valve	.N58787-01-0037	a N/A	ILN.#	# 010000002	051	1976	Installed	. Yes
1-3/8"-8UN(3A) Inlet Studs (12)	Mackson Inc	Heat #,772785	N/A		A193 Gr.B7 O-0831-08-0		N/A	Installed	No
1-3/8" Heavy Hex . Nuts (12)	Mackson Inc	Ht.# M82952, Heat Code "AUP"	N/A	1	SO-0829-08, SA194 Gr.7		N/A,	Installed	, No
with a refurbished replacement. The	safety valve local spare valve (s/ inlet studs were		n 3PSV84 1. 12 inlet s	02 was restuds and 80006664	nuts were rep 1. The remo	olaced in ved valv	n conjur re was p	nction with the	ne valve rebuild
						**	ٺ	• •	
		in the second of the second decision of the s	names of the contract of	** **				· ·	
•									
8. Tests Conducted:	: Hydrostatic		No				Ex	empt:	Other:

FORM NIS-2 (back)

9. Remarks: RoRs 002-03 and 003-03 reconciles the replacement studs and nuts, which were certified to the 1989 Edition,

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A.

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Folial 6 Jeans

Supervising ASME Code Engineer Date: /e/pruzun

(1) * 1944年(1) 1944年(1) 12 ·

Date: February 23, 2009

300 A .

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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>HSB-CT</u> of <u>Hartford</u>, <u>CT</u> have inspected the components described in this Owner's Report during the period <u>LOLOOB</u> to <u>IT LOOB</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 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 CA 2081

California

inspector's organization

(National Board, State, Province, and Endorsements)

LARLE DESCRIPTS LAND LAR

Date 3409

300 M 200 20 - 1100

As Required by the Provisions of the ASME Code Section XI

1. Owner: Souther Address: 2244 V		ison Company venue, Rosemead,	CA 91770	·	Date: 01/08/09		S	heet I of I
2. Plant: San Onof	re Nuclear Gen		t and recovery to a real apparatus.		Unit: 3 Repair/Replacen	nent Plai		IX NOI
3. Work Performed	l by: Southern		Zompany _{ii}	ing engine	WO : 800049658	• •	DATA-0191	in de la companya di salah di Salah di salah di sa
4. Identification of	System: Main	Steam System	•		Type Code Symb Authorization No Expiration Date:	D:	p: N/A N/A N/A	
		Code: ASME Section		•				4 3 %
(b) Applicable6. Identification of		tion XI Utilized for	•	ŕ	ent Activity: 1995	Edition,	1996 Addenda	
Name of Component	Name of Manufacturer	- Manufacturer Serial No.	Board.	lo	Other	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
6" x 10" Main Stm. Safety Valve	Crosby Valve & Gage	N58787-01-0023	A\N bH Grant	ا بر اند آ	3PSV8407	1976	Removed	Yes
6" x 10" Main Stm. Safety Valve	Crosby Valve & Gage	N58787-01-0001	N/A	IEN#	010000002051	1976	Installed	Yes
1-3/8"-*ÜN(3A) Inlet Studs (12)	Mackson Inc	Heat # 772785" Heat Code "BPU"	``*Ň/A	l .	D-0831-08-01 A193 Gr.B7	N/A	Installed	No
1-3/8" Heavy Hex Nuts (12)	Mackson Inc	Ht.# M82952, qs Heat, Code "AUP"	N/A te	10. 10. 11	29-08, SA194 Gr.7	Ņ/A	Installed	No,
with a refurbished replacement. The	ork: nfety valve loca spare valve (s/ inlet studs were	ted in plant position n N58787-01-0001) fabricated under w -2 examination and	3PSV840 12 inlet s	7. was rep studs and 1 80006664	nuts were replaced 1. The removed va	in conjur Ive was p	nction with the volaced in the reb	valve uild
			v . • • • • · · · · · · · · · · · · · · ·					
			•				•	
8. Tests Conducted:	Hydrostatic:	Pneumatic:	Noi	ninal Ope	erating Pressure:_	<u>X</u> Ex	kempt: C	other:
	Pressure:	995 psia	Tes	t Temp:_	N/A	°F		
,				•				

FORM NIS-2 (back)

9. Remarks: RoRs 002-03 and 003-03 reconciles the replacement studs and nuts, which were certified to the 1989 Edition,

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

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Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 10 15 to 11 14 08, 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 Owner has performed examinations and taken confective measures described in an arrangements 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.

or's Signature

Commissions CA 200

(National Board, State, Province, and Endorsements)

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As Required by the Provisions of the ASME Code Section XI

1. Owne	er: Souther	n California Ed Walnut Grove A	ison Company venue, Rosemead, (CA .91770		Date: 01/08	8/09 ==	. ,	Lill B. St	reet-1-of 1
				माराज्यां अधिकारी	173 -	Unit: 3				
2. Plant Addre	: San Onof ess: P.O. B	re Nuclear Gen ox 128, San Cl	erating Station emente, CA 92672	0128		Repair/Rep	olacem		ı: ASME SECT DATA-0192	ION XI
		•	California Edison C		and the second	WO: 80004			•	
·		System: Main				Type Code Authorizat Expiration	Symbo ion No	ol Stamp	XI/A	
5. (a)	Applicable	Construction	Code: ASME Section	on III, Clas	ss 2, 1974	Edition, S. 1	1974 ad	denda		
(b)	Applicable	Edition of Sec	tion XI Utilized for	· Repair/F	Replacem	ent Activity:	: 1995 I	Edition;	1996 Addenda	
6. Identi	fication of	Components:	20 10 10 100				.			
	ne of ponent	Name of Manufacturer	Manufacturer Serial No.	1		Other lentification		Year Built	Corrected, Removed; or Installed	ASME Code Stamped Yes/No
ľ	Main Stm. y Valve	Crosby Valve & Gage	N58787-01-0011	N/A	italian istori	3PSV8408		1976	Removed	Yes
1	Main Stm. y Valve	Crosby Valve & Gage	N58787-01-0038	NA:	ILN#	,0100000020	051	1976	Installed	Yes
	x 9" Inlet) ls (12)	Mackson Inc.	Heat #,772785,44 Heat Code "BPU"	_{os} N/Ä "		D-0831-08-0 A193 Gr.B7	Î.,.,	N/A	Installed	No
ı	leavy Hex s (12)	Mackson Inc	Ht.# M82952, Heat Code "AUP"	N/A		SO-0829-08 SA 194 Gr.7	-	N/A	Installed	No
1	14,	ert i bart	Marko in Company Lent 1982 Tulka dia dia	200	\$ 4 M		,			
with a replace	refurbished ement. The	spare valve (s/ studs were fabr	ted in plant position n N58787-01-0038) icated under work o nation and system le	12 julet s rder 80000	tuds and 1 56641. Th	nuts were rep e removed v	olaced in alve wa	n conjunts placed	iction with the v I in the rebuild p	/alve
1 ac					v • • •	. ""				
8. Tests (Conducted:	Hydrostatic	: Pneumatic:	Noi	ninal Ope	erating Pres	sure: <u>X</u>	Ex	empt: O	other:
		Pressure:		st Temp:_					. •	
					4					

FORM NIS-2 (back)

9.	Remarks:	RoRs 002-03 at	nd 003-03 reconciles the	e replacement studs a	nd nuts, which were cert	ified to the 1989 Editi	on,
		no add.		•	·		
:	., .		Control of the say		orts to be attached)	11.76%	
			(Applicable Man	ufacturer's Data Rep	orts to be attached)	1 1 1 1 e	

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol; Stamp: N/A Expiration Date: N/A Certificate of Authorization No: N/A Signed: Wolver Supervising ASME Code Engineer Date: February 2 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

5 44 Bec. 5

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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period | v | v | b to | | L | nB, 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.

A COLLAR ROMANIANTS CONTRACTOR

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Commissions (A 20%) (National Board, State, Province, and Endorsements) There is the state of the second of the seco

As Required by the Provisions of the ASME Code Section XI

1.	Owner: Souther Address: 2244 \	n California Ed Walnut Grove A	venue, Rosemead, Ca	4 91770	er:. :	Date: 01/08/09		S	heet I of I
2.	Plant: San Onof Address: P.O. B	re Nuclear Gen ox 128, San Cl				Unit: 3		n: ASME SECT	ΓΙΟΝ ΧΙ
3.			California Edison Co venue, Rosemead, CA		·9 12.7	WO: 800049669		1. 8° (4. 3° 12.1)	-
4.	Identification of					Type Code Symbo Authorization No Expiration Date:	:	p: N/A N/A	
5.	(a) Applicable	Construction	Code: ASME Section	III, Class	2, 1974	Edition, S. 1974 ad	denda	(1.6) (1) (1)	6 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -
:	(b) Applicable	Edition of Sec	tion XI Utilized for I	Repair/Re	placem	ent Activity: 1995 I	Edition;	1996 Addenda	
6.	Identification of	Components:	Maria Maria Maria da Cara da C	AMich .	٠	in the second of			
	Name of Component	Name of Manufacturer	Manufacturer. Serial No.	National Board		Other	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
6"	x 10" Main Stm. Safety Välve	Crosby Valve & Gage	N58787-01-0036	N/A		3PSV8409	1976	Removed	Yes
6"	x 10" Main Stin. Safety Valve	Crosby Valve & Gage	<u> </u>	!		# 010000002051	1976	Installed	Yes
1	-3/8"-8UN(3A) Inlet Studs (3)	Mackson Inc.	Heat # 772785 Heat Code BPU	N/A		SO-0831-08-01 SA193 Gr.B7	N/A	Installed	No
_	-3/8" x 9" Inlet , Studs (9)	Mackson Inc.	Heat # 11503850 Heat Code "AQG"	N/A		RSO SA193 Gr.B7	N/A	Installed	No
].	-3/8" Heavy Hex -; Nuts (12)	Mackson Inc.	Ht.# M82952, Heat Code "AUP"	N/A	.; I	SA194 Gr.7	N/A	. Installed	No.
•	with a refurbished replacement. The	afety valve loca spare valve (s/s studs were fabr	nted in plant position in N58787-01-0007). icated under work ord ment. A VT-2 examin	3PSV8409 12 inlet stu lers 800066	ds and 6641(3)	nuts were replaced in and 04031771(9). T	n conjur The rem	nction with the oved valve was	valve placed in
							•		
									•
8. ′	Tests Conducted:	Hydrostatic:	Pneumatic:	_ Nomi	nal Op	erating Pressure: <u>X</u>	Ex	empt:	Other:
		Pressure:	995 psia Test	Temp:	N/A	of-			

9. Remarks: RoRs 002-03 and 003-03 reconciles the replacement studs and nuts, which were certified to the 1989 Edition,

(Applicable Manufacturer's Data Reports to be attached)

Section of the CERTIFICATE OF COMPLIANCE CONTROL OF

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Code Engineer Date: February 23,2009

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 101008 to 11106, 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 <u>CA 208</u>

(National Board, State, Province, and Endorsements) the street of the prism which

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As Required by the Provisions of the ASME Code Section XI

	wner: Southern ddress: 2244 V		ison Company venue,:Rosemead, (CA 191770	r' · · · · · · · · · · · · · · · · · · ·	Date: 01/08/09		SI	neet 1 of 1
	** *. *.		* * **** ** * *** *** *** ***		~~~ ~~ ~	Unit: 3		ویستون ده چه هما در د	. Trouble of a contraction
	lant: San Onofi ddress: P.O. B		erating Station emente, CA 92672	0128) 41	3 472 3	Repair/Replacem	ent Pla	n: ASME SECT DATA-0191	ION XI
			California Edison (venue, Rosemead, (ja sarak	WO: 800049709	1 · · · · · · · · · · · · · · · · · · ·		tars - !
	lentification of					Type Code Symb Authorization No Expiration Date:	:	p: N/A N/A N/A	
5. (a) Applicable	Construction	Code: ASME Section	on III, Cla	ss 2, 1974	Edition, S. 1974 ac	ldenda .	na sanda kara ka	
, (b) Applicable	Edition of Sec	tion XI Utilized for	Repair/I	Replacem	ent Activity: 1995	Edition;	1996 Addenda	:
6. Id	lentification of	Components:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				· · · · · · · · · · · · · · · · · · ·		
	Name of	Name of	Manufacturer	National		Other	Year	Corrected, Removed, or	ASME Code
1	Component	Manufacturer	Serial No.	Board	•	lentification	Built	Installed	Stamped Yes/No
	10" Main Stm.	Crosby Valve	N58787-01-0003	N/A .		3PSV8416	1976	Removed	Yes
6" x	Safety Valves 2011	& Gage Crosby Valve	N58787-01-0020	``N/À	` ` `	010000002051	1976	Installed	Yes
	Safety Valve 13 /8"-8UN(3A)	Mackson Inc.	Heat # 4909848 ¹¹	N/A	ľ	SO-0412-01	N/A	Installed	No
	ılet Stud (2)	-	Heat Code 1VK			A193 Gr.B7		g for	
	/8"-8UN(3A) let Stud (10)	Mackson Inc	Heat # 11503850 Heat Code AQG	N/A		SO-1025-04 A193 Gr.B7	N/A . :	Installed	. No
1-3/	8" Heavy Ḥex. Nuts (12)	Mackson Inc	Ht.# M82952, Heat Code "AUP"	ΝA	RS	SO-0829-08 SA194 Gr.7	N/A	Installed	No
7. De	escription of W	orķ: 💥		. · · · · · · · · · · · · · · ·		-			
wi re _l rel	th a refurbished placement. The s	spare valve (s/s studs were fabr	ted in plant position n N58787-01-0020) icated under work o t. A VT-2 examinat	. 12 inlet s rders 0106	tuds and r 1346 and	nuts were replaced i 04031771 . The rei	n conjur noved v	nction with the valve was placed	alve in the
								•	
8. Ţe	sts Conducted:	Hydrostatic:	Pneumatic:_	Non	ninal Ope	erating Pressure: <u>></u>	<u>K</u> Ex	empt: O	ther:
		Pressure:9	9 <u>95</u> psia Te	st Temp:_	N/A	°F	•		

FORM NIS-2 (back)

9. Remarks: RoRs 002-03 and 003-03 reconciles the replacement studs and nuts, which were certified to the 1989 Edition,

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Code Engineer Date: February 73,2009:

TAME TAXABLE TS STORTS

CERTIFICATE OF INSERVICE INSPECTION

Ber S. F.

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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 10 0 to 114 0, 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 Historia (Contra de Contra de C this inspection.

Commissions <u>CA208</u>

The Committee of the

(National Board, State, Province, and Endorsements)

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As Required by the Provisions of the ASME Code Section XI

					_====	I have	:=====i
1. Owner: Souther		lison Company venue, Rosemead,	CA//91/77(Date: 01/08/09		S	heet 1 of 1
110010001 2211		***************************************		Unit: 3			
2. Plant: San Onof Address: P.O. B			-0128	○ 3 + 4. FRepair/Replacem	ent Pla	n: ASME SECT DATA-0192	LION XI
3 Work Performed Address: 2244 V		California Edison C			. ** * * *		el company
4. Identification of		·		Type Code Symb Authorization No Expiration Date:	:	p: N/A N/A N/A	
5. (a) Applicable	Construction	Code: ASME Section	on III, Cla	ss 2, 1974 Edition, S. 1974 ac	ldenda	A Land Committee	
(b) Applicable	Edition of Sec	tion XI Utilized for	r Repair/F	Replacement Activity: 1995	Edition;	1996 Addenda	
6. Identification of	Components:	Compared a second	A P. D		د میدید در مد		
)	NA	N	Other	37	Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Removed, or Installed	Code Stamped
Component	Mandracturer	TOTAL SECTION	1	Part 12 4. A. M. 173 C.	Bunt	instance	Yes/No
6" x 10" Main Stm. Safety Valve	Crosby Valve & Gage	N58787-01-0006	N/A	3PSV8417	1976	Removed	Yes
6" x 10" Main Stm. Safety Valve	Crosby Valve & Gage	N58787-01-00048		ILN # 01,0000002051	1976	_Installed	Yes
1-3/8"-8UN(3A) Inlet Stud (2)	Mackson Inc.	Heat # 4909848 Heat Code 1VK	TO NIA THE	RSO-0412-01 SA193 Gr.B7	N/A	Installed	No
1-3/8"-8UN(3A) Inlet Studs (10)	Mackson Inc	Heat # 11503850 Heat Code AQG	N/A WWW.C	RSO-1025-04 SA193 Gr.B7	N/A	Installed	No
1-3/8" Heavy Hex Nuts (12)	Mackson Inc	Ht.# M82952, Heat Code "AUP"	N/A	RSO-0829-08 SA 194 Gr.7	Ņ/A	Installed	No
7. Description of W	ork;		45.01	en for Took	1.	÷ ;	
with a refurbished replacement. The	spare valve (s/ studs were fabr	n N58787-01-0004) icated under work o	. 12 inlet s rders 0106	17 was replaced as a schedule studs and nuts were replaced i 51346 and 04031771 . The res stem leakage test was perforn	n conju noved v	nction with the a	valve I in the
8. Tests Conducted:	Hydrostatic	Pneumatic:	Noi	minal Operating Pressure:	K Ex	empt: C	Other:
	Pressure:	995 psia Te	st Temp:	N/A °F			
							:

as late of the

9. Remarks:RoRs 002-03 and 003-03 reconciles the replacement studs and nuts, which were certified to the 1989 Edition,

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Coher (7 Jeans

Supervising ASME Code Engineer

Date: February 23, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 1008 to 111408, 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 <u>CAZOB</u>

California

(National Board, State, Province, and Endorsements)

Date 3 4 0 9

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As Required by the Provisions of the ASME Code Section XI

		,	* * * * * * * * * * * * * * * * * * * *	4.5			k _a r .	ing the second of the second	. 1
	1. Owner: Southern Address: 2244 W		venue Rosemead. C	CA 91770		Date: 1/21/09 Unit: 3		Sh	eet 1 of 1
	2. Plant: San Onofr Address: P.O. Bo		erating Stationemente, CA 92672-	national distributions		Repair/Replacem	ent Plan	: GEN-205s	remain en an .
	3. Work Performed Address: 2244 W	•		ompany		WO: 800050994 Type Code Symbo	ol Stami		
	4. Identification of 9	System: Main :	Steam System			Authorization No Expiration Date:	-	N/A N/A	
			Code: ASME Section						
	(b) Applicable	Edition of Sec	tion XI Utilized for	Repair/R	eplaceme	ent Activity: 1995	Edition;	1996 Addenda	ស្រីជា ។
	6. Identification of (Components:	. 我们也 <u>.</u>	 	. '				
: }.	- Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	lclc	entification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
	Steam Generator	Combustion Engineering	7227012 4 3	·22265''	S3	1301ME088	1977	Corrected	Yes
	1"-8N-2B Handhole Nut (1)	ABB Combustion Engineering	at at most <u>FD_ano</u> f	<u>a</u>		SO-2991-91	' N/A	Installed	No .
	4) nut was found rocedure SO23	d damaged and requestive 2.2.2.	ired replac	rator 3E0 ement. Th	ne VT-2 examinatio	support on and pr	inspection and o	performed
	8. Tests Conducted:		: Pneumatic:					xempt: O	ther:
			Pressur	e: <u>1000</u>	psi	Test Temp:	N/A	oF.	
								•	

FORM NIS-2 (back)

9. Remarks: The replacement nut was certified to the 1980 Edition, W.'82 addenda as allowed per reconciliation 002-05.

(Applicable Manufacturer's Data Reports to be attached)

CERTIF	TOWN CARE OF COMPENSANCE
I certify that the statements made in the report are	e correct and this conforms to the requirements of the ASME Code,
Section XI.	
	and the state of t
Type Code Symbol Stamp: N/A	
Certificate of Authorization No: N/A	Expiration Date: N/A
	in the many strain and the same of the same of the
Signed: Robert G Sears	Supervising ASME Code Engineer Date: February 11, 2009
Signed: Robert: G. Sears	Supervising ASME Code Engineer Date February 11-2009
Signed: Robert G. Sears Owner or Owner's Designee, Title.	Supervising ASME Code Engineer Date: February 11, 2009
· · · · · · · · · · · · · · · · · · ·	

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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/24/08 to 12/10/08, 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.

Brigg (Alley Art Mittagliana de a 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.

14. JAMES A.

	MAZCHE	_ Commissions	CA2093	California
	Inspector's Signature		(National Board, State,	Province, and Endorsements)
Date	2/17/2009			

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As Required by the Provisions of the ASME Code Section XI

1.	Owner: Southern	n California Edi	ison Company venue, Rosemead, (74 01770	I	Date: 02/11/2009)	Sh	eet 1 of 1
	Audress. 2244 v	vallut Grove,A	venue, Koseinead,	54 14 1 14 0	to see of t	Jnit: 3			
2.	Plant: San Onofi Address: P.O. B		erating Station emente, CA, 92672-	0128		Repair/Replacen DATA-0207	nent Plan	: ASME SECT	ION XI
3.			California Edison C venue, Rosemead, C				· . ·	e y die die	
4.	Identification of	System: Safety	Injection / Shutdov	vn Cooling	A	ype Code Syml Authorization N Expiration Date	o:	o: N/A N/A N/A	an Palas
5.	(a) Applicable	Construction (Code: ASME Section	on III, Clas	s 2, 1974 E	Edition, Summer		ida Salahan salah salah	
	(b) Applicable	Edition of Sec	tion XI Utilized for		teplacemen	t Activity: 1995			
6.	Identification of	Components:	et i le le Milega		- · · · · · · · · · · · · · · · · · · ·		• • • • • • • • • •		· ·
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	. Ide	Other ntification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
6"	x 8" Relief Valve	Crosby Valve & Gage	N60061-00-0002		4 1 1	PSV9349	1978	Removed	Yes
6"	x 8" Relief Valve	Crosby Valve & Gage	N60061-00-0004	N/A	Mat-Co Rebui	ode 026-44409 It under MO 5030303	1984	Installed	Yes
	Description of W Replaced the relie removed valve (S	ork. If valve in plant	position 3PSV9349	sp (reta _{le})) with a ret	ouilt and tes	ited spare valve ((S/N: N60 efurbished	061-00-0004). under NMO 80	The 00197450.
		9 ° 11.	leakage test was per	15.54			·		
		MEGALLE Silvanist in	<u>188</u> 253 Alex Flümbe (k.	Commercial	1 4				.• *
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		in the second of the second of	estin al capazionimi del selección de la competencia del la compete		,	e e			
8.	Tests Conducted	: Hydrostatic	: Pneumatic:	Nor	ninal Oper	ating Pressure:	<u>X</u> Ex	cempt: O	ther:
		Pressure: 3	944 psi Test Te	mp:	N/A	°F	•		
	•		•						

9.	Remarks:	None.
	1	

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp: N/A Certificate of Authorization No: N/A Expiration Date: N/A Signed: Robert Code Symbol Stamp: Date: February 11, 2009 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in
this Owner's Report during the period 10/31/08 to 41/25/08, 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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this inspection.			Service of the servic	And the second second	
VIJA	2(Max	_ Commissions	CA2093	California	
Insp	pector's Signature	_	(National Board, S	tate, Province, and Endorsements)
Date 2/16	12009				

As Required by the Provisions of the ASME Code Section XI

		•			•			
1. Owner: Southern C			'ou ere ou ou		Date: 01/27/09	, .	Sh	eet 1 of 1
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770					Unit: 3			
2. Plant: San Onofre l	Nuclear Generat	ing Station	Comments a new management		الرابيد المناسبة الماسية	٠.	A POP OF THE PERSON OF THE PARTY	ner commercia
Address: P.O. Box 128, San Clemente, CA 92672-0128					Repair/Replaceme 0609, GEN-239 Re		: ASME XI DA	ATA-
 Work Performed b Address: 2244 Wal 				- 4	WO: :800051005	inger i stat		1800 j. j.
4. Identification of Sy					Type Code Symbo Authorization No Expiration Date:	:	o: N/A N/A N/A	
5. (a) Applicable Co	onstruction Co	de: ASME Section I	II, Class 2,	1974	Edition, S. '74 add	enda		
(b) Applicable Ed	lition of Section	n XI Utilized for Re	pair/Repla	aceme	nt Activity: 1995	Edition;	1996 Addenda	
6. Identification of Co	omponents:			υ		,		
			[.	T		100	Corrected,	ASME
Name of	Name of	Manufacturer	National		Other	Year	-Removed, or	Code
Component	Manufacturer	Serial No.	Board No.		Identification	- Built-	Installed	Stamped Yes/No
Mechanical Penetration # 34	SCE	N/A	N/A	~ · S	31220MX034	N/A	Corrected	No
7/8"-9UNC x 36" Stud Bolt (2).	Mackson Inc	Heat,#.746129	N/A		RSO-0984-06, SA193 gr.B7	N/A	Installed	No
7/8"-9UNC Nut-(24)	Mackson Inc.	Heat # C91060 Heat Code "JQB"	N/A	1	RSO-1690-04, SA194 gr.2H	N/A	Installed	No'
7. Description of Wor when reassembled at co thread material in accordance with proced	mpletion of the dance with the r	R3C15 outage. (12) equirements of RRP	stud bolts, GEN-239	5.5" le	ong were fabricated	l from (2	2) lengths of 36	5" all-
	h. :	70.39°C		25 - 5			i f	
	******	ापूर्व असूचे देखांच						. ,
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					•	; '	The same	
the second secon		the first and their a significance to be compared the significance of the significance					***	
						**	•	
							•	
		•						
8. Tests Conducted:	Hydrostatic:	Pneumatic	Nomins	al One	erating Pressure:	Ex	cempt: O	other: X
							1	
Р	ressure: N	N/A psi Test	remp:	1N/A	r.			
•								

FORM NIS-2 (back)

9. **Remarks:** The all-thread material was certified to the 1989 Edition, no addenda as allowed per RoR-002-03 R1. The nuts were certified to 1989 Edition, no addenda as allowed per RoR-003-03 R1.

(Applicable Manufacturer's Data Reports to be attached)

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CERTIFIC CONTRACTOR OF CONTRACTOR	CATE OF COMPLIANCE
I certify that the statements made in the report are co	orrect and this conforms to the requirements of the ASME Code,
Section XI.	A THE RESIDENCE OF THE SECOND
Type Code Symbol Stamp: N/A *** *******************************	A Million Committee Service Committee Committee Committee Committee Committee Committee Committee Committee Co Committee Committee
Certificate of Authorization No: N/A	Expiration Date: N/A A A A A A A A A A A A A A A A A A A
	Supervising ASME Gode Engineer Date: February 11,2009 of
Owner or Owner's Designee, Title	and the second of the second of the control of the control of the second

CERTIFICATE	OT TRICEDAY	CHE TRICINES	COUNT CAT
7 L D I I D I I A I L			
	Z 1 D. 1 (1 / 1 / 1 / 1 / 1 / 1 / 1		

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>HSB-CT</u> of <u>Hartford</u>. <u>CT</u> have inspected the components described in this Owner's Report during the period <u>vo(v) s</u> to <u>v(v) v8</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 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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this inspection.		
MAZONA	4	
Inspector's Signature	 (National Board, State	California , Province, and Endorsements).
Date 2/23/2009	ा । स्थापित जाता त्रीक्षण्यस्य	State of the state
	al of the attendance inc	, the smarger of perfect of

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section X1

2. Plant: San Ono Address: P.O. I	fre Nuclear Generatin Box 128, San Clement	g Station (1946) te, CA 92672-012	3 <u>40</u> 31 8	A N. (1, 41) Repair/Replacem	nent Éla	n: 071000461-8	3
	d by: Southern Calif Walnut Grove Avenue			₩ O ?800057549,	800166	195***2	
4. Identification of	f System: Reactor Co	olant System		Type Code Symb Authorization No Expiration Date:		p: N/A ., : N/A ./A	
5. (a) Applicable	e Construction Code		•	1, 1971 Edition, S. '73 a 1, 1974 Edition, S. '74 a		(vaives)	9 # 7
(b) Applicable	Edition of Section 2	I Utilized for Re	pair/Repla	acement Activity: 1995	Edition;	1996 Addenda	.*
6. Identification of	Components:	·	•	er e			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
3/4" Globe Valve	Kerotest Mfg. Corp.	TND4-19	N/A	S31201MR227	1976	Removed	Yes
3/4" Globe Valve	Kerotest Mfg. Corp.	TND4-16.	N/A	S31201MR037.	1976	Removed	. Yes
3/4" Globe Valve	Flowserve Corp	-31AXE on	:N/A	RSO-2214-03 , (S31201MR227)	2003	Installed	Yes
3/4" Globe Valve	Flowserve Corp	E385-1-4	N/A	RSO-1245-01 (S31201MR037)	:2001	Installed	. Yes
3/4" Sch.1'60 Pipe	Energy & Process	Heat # 37680	N/A	RSO-0834-08 SA376 Tp316	N/A ⊕ ″	lnstalled	No
3/4" Sch.160 Elbow	Consolidated Pipe	Heat # MQUF=1	Ň/A	ILN: 0100000000412 ¹ SA403 WP316	'N/A	Installed	No .
materials due to repo NMO 800057549 fat and -042. NMO 800166195 ins performed in conjunc	rted boric acid leak at oricated the vent valve stalled the fabricated v ction with the weld rec	pipe cap. assembly in the sleent valve assembly ords.	hop in accord	ordance with weld record ance with WR3-08-043	s WR3-	08-013, -014, -0	015,

Test Temp: 350 °F

Nominal Operating Pressure: X Exempt:

8. Tests Conducted: Hydrostatic: Pneumatic:

^	-		~ ~
u	Remark	70.	None
2.	remai :	123.	INOLIC.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No. N/A

Expiration Date: N/A

Signed: Kohert G Dears

Supervising ASME Code Engineer Date February 23, 20

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 10 00 to 11 10 00 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.

Inspector's Signature

Commissions <u>CA 2081</u>

(National Board, State, Province, and Endorsements)

Inspector's Signature

Date 3/4/09

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TOTAL TOWN ON

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edi. Address: 2244 Walnut Grove Av		·CA - 91-770	0	Date: 12/9/0		, _; S	heet I of 1
 Plant: San Onofre Nuclear Gene Address: P.O. Box 128, San Cle 	rating Station	in Man	November 1			n: ASME SEC	TION VI
•			Kan garag	A to A Astron	acement Pia	DATA - 02	
3. Work Performed by: Southern (Address: 2244 Walnut Grove Av),.	WO : 800056	3317	ing the grant of	d. Gryr.
4. Identification of System: Safety5. (a) Applicable Construction C		on III, Cla	ss 1, 1971	Type Code S Authorization Expiration D Edition, S. '7'	on No: Date:		en e
(b) Applicable Edition of Secti	, s. 5					; 1996 Addenda	
6. Identification of Components:	e de	1 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	i e su	· · · · · · · · · · · · · · · · · · ·			e e e e e e e e e e e e e e e e e e e
Name of Name of Component Manufacturer	Manufacturer Serial-No.		1	Other lentification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
2" 1513# Globe Kerotest Mfg Valve Co.	CAQ12-2	N/A	· S3	1204MU068.	1980	Corrected	Yes
Bonnet Flowserve Corp	. N/A	N/A	4 4 4 4	ce # 28129-1	l.	Installed	No
7. Description of Work: Valve S312 for continued use and was replaced with the same and the same	04MU068 was rev th an in-kind repla	cement bo	nnet.		existing bor	nnet was found t	o be unsat
A Commence of the Commence of	1 - 1 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	्रेड व्याप्त इ.स. १८८० -	78 238 1				
The second secon	and the second participation of the second participation o	modern i sin sa sa s	* *	. ·			e see
3. Tests Conducted: Hydrostatic:_	Pneumatic:_	Non	ninal Ope	rating Pressu	re: <u>X</u> Ex	xempt: Ot	her:
	35 psi Tes				•		
	•						

9. Remarks: ASME III, Class 1 valve installed in a ASME III, Class 2 system.

(Applicable Manufacturer's Data Reports to be attached) I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Type Code Symbol Stamp: Certificate of Authorization No: N/A Expiration Date: N/A

Owner or Owner's Designee. Title .

Section XI.

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/16/08 to 12/2/08, 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 insp	ection.	والمراوية المحاومة المراوية والمعتقدة والمحاومة والمحاوم		
	MAZMA	Commissions CA	7.093 California _	
	Inspector's Signature 3	(National Bo	ard, State, Province, and Endorsemen	ıts)
Date	2/5/2009	1.19		***

consequence a contrate outs and a second comment signs on alternation (i) but teens of the following of the first section of the first section

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code , Section III, Div. 1

1. Mai	nufactured by	Flowserve C	orporation, 19	100 S. Saunders St., Ral	eigh, NC 2	27603	
2. Mar	nufactured forEDIS	SON MATERIA	L SUPPLY LLC.	P.O.BOX 700. ROSEME	AD. CA, 917	70	m constant comments
3. Loc	ation of Installation Si	AN ONOFRE PI		odress of Purchaser or Owner) MENTE, CA, 92672	<i>\$</i>		
4. Рип	np or Valve	Valve		ame and Address) nlet Size 117 3/412.00 - :	·Outle	l Size	. 3/4"
	·	· · · · · · · · · · · · · · · · · · ·		(inch)		1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	(inch)
	(a) Model No. Series No.	(b) N Certificate Holder's	(c)-Canadian Registration	(d) Drawing		(f) Nat'l,	(g) Year
	or Type	Serial No.	No.	No.	(e) Class	Bd. No. 7	(g) rear Built
(1)	1513 YGB	30AXE	N/A	SC-D-9954-BW16-(1)/H	1	N/A	2003
(2)	1513 YGB	3IAXE	N/A	SC-D-9954-BW16-(1) /H	1	N/A	2003
(3)	:	,			·		
(4)		V 31 31				1.4	•
(5)		1.			<u></u> ,		
(6)			of the second representation of the second s	Note			
. (7)	the same of the same	and the second of the second	and the second of the second of the second	See			
(8)		, 17. r.	LANGER CONTRACT	43.77			
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		eri Tudik et distrigit i	Carrin 🔘 Ladiqu	Floting Artes	And the same		
- 3/4	" Y GLOBE VALY	E TAG	i Call Chem. Dan		100		
		· · · · · · · · · · · · · · · · · · ·	(Brief description of s	service for which equipment was designed			
			(service to which equipment was designed	Marie Contract	2381)
·				service to which equipment was designed		23817	2
	ion Conditions	2.185	03 A BA (B) (850)	For Valve Pressur	e Class	1513	<u> </u>
Des	ign Conditions	2485. g. Freesoure)	osi 650	For Valve Pressur	e Class	1513	(1).
. Des . Cold	ign Conditions (Fig. 1) Working Pressure	2485. F. Fressure) 3631	osi 650		e Class	2 × 1513	<u> </u>
. Des . Cold	ign Conditions Working Pressure sure Relaining Pieces	2485	osi 650 (Tempera psi. at 100°F	For Valve Pressur	e,Class ₂	2 8 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	For Valve Pressur	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485	psi at 100 °F. Material Spec. No.	For Valve Pressur	e,Class ₂	2 8 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	For Valve Pressur	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	For Valve Pressur	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	PFor Valve Pressur Manufacturer	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	For Valve Pressur	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	PFor Valve Pressur Manufacturer	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Des Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	PFor Valve Pressur Manufacturer	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Cold Pres	ign Conditions () Working Pressure soure Relaining Pieces Mark No. Castings	2485. Fressure) 3631	osi 650 (Tempéra psi at 100.º F.	PFor Valve Pressur Manufacturer	e,Class ₂	2 × 1513	(1) (1) (1) (2) (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4
Cold Pres	ign Conditions Working Pressure sure Relaining Pieces Mark No.	2485	osi 650 (Tempéra psi at 100.º F.	PFor Valve Pressur Manufacturer	e.Class	2 × 1513	rks
Cold Pres	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539	2485	A182 GR F316	Manufacturer FLOWSERV DUBOSE	e.Class	Remains BOD BONN	(1). rks Y ET.
Cold Pres	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539 56457	2485	A182 GR F316 SA479 T316	Manufacturer FLOWSERV DUBOSE DUBOSE	e Class	BOD BONN DISC	(1). rks Y ET
Des Cold	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539	2485	A182 GR F316	Manufacturer FLOWSERV DUBOSE	e Class	Remains BOD BONN	(1). rks Y ET
Des Cold	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539 56457	2485	A182 GR F316 SA479 T316	Manufacturer FLOWSERV DUBOSE DUBOSE	e Class	BOD BONN DISC	(1). rks Y ET
Des Cold	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539 56457	2485	A182 GR F316 SA479 T316	Manufacturer FLOWSERV DUBOSE DUBOSE	e Class	BOD BONN DISC	(1). rks Y ET
Cold Pres	Working Pressure Source Relaining Pieces Mark No. Castings Forgings FS2 56539 56457	2485	A182 GR F316 SA479 T316	FLOWSERV DUBOSE DUBOSE FLOWSERV	e Class	BOD BONN DISC	(1). rks Y ET

⁽¹⁾ For manually operated valves only

^{&#}x27;Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11". (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

1996 6 1896

FORM NPV-1 (Back		ika 1995 - Landa Albanda Albanda Banda Albanda	δ -
The second of th	the contract of the contract o	Valve S/N	_30AXE _ through _31AXE_
Mark No.	Material Spec. No.	Manufacturer	Remarks
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(d) Other Parts			t.
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the state of the s	3	Commence of the second of the	
er en	1000		
	Power Plant Components. Sect e Case No N/A	Warmer 1997	1971 9/30/23
Signed Flowserve Corpora			Regard do
(N Certificate Holder)			
Our ASME Certificate of Authorization No.	N-1562 to use th	And the second second	11-26-03
	CERTIFICATION	OF DESIGN	108(8)
Design information on file at		owserve Corporation, Raleigh	
Stress analysis report (Class 1 only)	·	FLOWSERVE CORPOR	ATION
Design specifications certified by (1) PE State	·	KENNETH & MORGAN	
Stress analysis certified by (1)	Name of the last o	QU004963 RONALD S FARRELL	The second of th
	A. Reg. No.	35216-E	
`	- m	The state of the s	one of the same of the same
(1) Signalure not required. List name only.	the second second second	See grown and the second secon	****
* * * * * * * * * * * * * * * * * * *	CERTIFICATE OF SHO	P INSPECTION	Color (Alban) Color (Alban)
l, the undersigned, holding a valid commiss	sion issued by the National Board of	Boller and Pressure Vessel Inspecto	
North Carolina and employed by			Hartford Connecticut to the best of my knowledge and
have inspecied the pump, or valve, descrit pelief, the N:Certificale Holder has construc By signing this certificate neither the Inspec this s Data Report, Furthermore, neither the	sted this pump, or valve, in accordar stor nor his employer makes any war	nce with ASME Code, Section Itl. ranty, expressed or implied, concern	Ing the equipment described in
beloennoo no mort gnizing bnix yng lo 22ol		0	
Date 9 130 103			医肠器 机混合物 等
Signed M. Vall	Congression of the second of the second	*****	í
	Commissions! (U	(Nail Bo., State, Prov. and No	

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES* As Required by the Provisions of the ASME Code, Section III, Division 1 Pg. 1 of_

Manufactured and certified by	(nama	and address of N Carrilless	(Jahloh o	A 17701 ' 1164
2. Manufactured for Edison Material Sup	anly P.O. Box 700, Ros	semead, CA 91770		A CONTRACTOR OF THE PROPERTY O
*	(name an	d address of Purchasen		The second section of the section
3. Location of installationSan Onofre }	Nuclear Station, 14300 I	Mesa Road, San Clem	ente, CA 9267.	2
	he "1	(name and address) 593593	Н	······································
4. Model No., Series No., or Type Y-Glo	Drawing 1/2	393393 Rev		CRN
The state of the s	1971 Sui	mmer 1973	1	
5. ASME Code, Section III, Division 1:		ddends date)	(class)	(Code Case no.)
6. Pump or valveN	laminal ialat aiza	3/4" Outlet siz	e3/4"	A SA CALL AND A
n new reference and the second second second	SA479-316	in.)	(in.)	STA
7. Material: Body SA182-F316	3A479-310	Disk SA479=1	Bolting	WAS the season of the
	ere en manute en en manuel despris de la proposición de la constante de la con	(d)		1 7 774 mm mm mm mm mm m
(a) {b)	Body	Bonni	ef	(e) Disk
Holder's Board	Serial	Seria		Serial Communication
Serial No No. No.	No.	No.		No.
E385R-1-1 N/A	A108	MSN ID Co	de UZD	182
E385R-1-2 N/A	A109	MSN ID Co		184
E385R-1-3 / N/A	A110	MSN ID Co		185
E385R-11"4 " N/A	Alli	MSN ID Co	*******	186
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This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

Payrold Dated the Roll to any many the control of the state of the state of

			Certificate Holder's	Serial No.	1 thru -1-4
B. Design conditions	2485	650 ;	_°F or valve pressure of		Talas e 187 a
-	(pressure) , 3631	' (temperature)	•		
	psi at	100°F	1.00 (.	
O. Hydrostatic test	5450 psi.' Disk differ	ential test pressure	477		psi
1. Remarks;	3#-Y-Globe Valve		, SCILO GOLDON	:	
	aterial SA105, Serial Nos.	232, 233, 234 an	d 235		
<u> </u>					 ;
A. 5.	1.3			•	
· · · · · · · · · · · · · · · · · · ·	CERTIF	ICATION OF DESI	GN (for participation)		
Design Specification certifi	Kenneth E. Morgan	n e	CA CA	Reg. no. QU0049	963
Design Report certified by .	D 110 F 11	P	E. State PA	Reg. no. 035216	<u>-E</u>
				; f E	- Same Digitalia.
* * * * * * * * * * * * * * * * * * * *					
We certify that the stateme of the ASME Code, Section of Certificate of Authorization			pump or valve conforms	04/15/04	uction has a second
Date 5-30-0/ Nam	Plowserve Corpo	oration	Signed Signed Sauthori	red representative)	21 -
	3. 3				
	e e e e e e e e e e e e e e e e e e e	the property of	JOHANNA A WHALL THE		
	CERTIFI	CATE OF INSPECT			
the understand / holding	intualid nomination issued	hu the Meticinal F	Insertinat Boilds and Proc	ours Vassat Inspects	en and
he State or Province of	Pennsylvania	and a	mployed by Commerci	al Union Insurance	Co.
Boston, Mass.	19-0/, and state that to t		the pump, or valve, desc		
tructed this pump, or valve	e, in accordance with the AS			Certificate Holder He	3 000
to nimples this configures	neither the inspector nor his	amplance makes	And Marrathi Average	The implicate horizonarea	ng tho
	s Date Report. Furthermore,				l l
ny personal injury or prope	irty damage or a loss of any k	tind arising from o	connected with this ins	pection.	77
Date 6/9-0/ Signed	Monthe Hours	Commissions	Pennsylvania 2	392	
C	harlesumprime (pspector)		Nat'l::Bd::(inclendorsamen	ts) and state or provide	8 no.)
					,
) For manually operated val	ves only.				

the property from any particular to reading the research of the property of the research of th

OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY As Required by the Provisions of the ASME Code Section XI

1 260			, ,	4 - 4				
1. Owner: Southern C Address: 2244 Wa			v. 91770	Date:	12/05/08	50		reet 1 of
	eriri i i i i i i i i i i i i i i i i i	en e		alaged Unit:	3		च्या १८५ ती १७५५ खा _र	1250 s
Plant: San Onofre Address: P.O. Box			28				n: ASME Section	
2 110 10	Courthaus Californ	min Edinas Cos	25.35.2			02-08; I	RRP012-08, an	id RRP
Work Performed by Address: 2244 Wa		Rosemead, GA		المن المحصور الوقعة	01029-0040	r version	And the second of the	
4. Identification of Sy	estem: Reactor Cool		and and an area.		11029		423, 800190035	•
				Type	Code Symbo		•	
					orization No	:	N/A	
5. (a) Applicable Co	onstruction Code: /	ASME Section	III, Class I	•	ation Date: n, S. '73 add	enda	.' Ŋ∖Ÿ	
	101.01 101.01	anteste a la ela ^{se} mi	Carlo Carlo			D III 's	1006 2 11 1	
(b) Applicable Eq	lition of Section XI	Utilized for R	kepair/Rep	lacement Act	tivity: 1995	Edition;	1996 Addenda	. 5
6. Identification of Co	omponents:						t to the street.	
	· · · · · · · · · · · · · · · · · · ·	T					region to the control of the control	T
Name of :	Name of	Manufacturer	National) - 1 E \ 1	her	Year	Corrected, Removed, or	ASME Code
Component	Manufacturer :			Identif		1		Stamped
, ,	3623 20			11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	٠,٠٠)		Yes/No
12" 1500# Check Valve	Anchor/Darling Co		Physics () The White Aug () Car	\$31204.	MU029	1976	Corrected	Yes
Closure Plugs (2)	Energy & Process	Heat	N/A	RSQ-0	742-06****	N/A	Installed -	No
	Corp.	#416124		SA479 Typ	e 316/316L			• •
7. Description of Wor with the valve overhaul.			wide parks,	esta constante e e			· · · · · · · · · · · · · · · · · · ·	
1. NMO 800063968 dis VT-1 examination of	assembled / reassem	bled valve. Per	rtormed Vil	-3 examination	on of internal	surface	s of valve body	and a
	eri Austrija salatat	Billian in many to	ឱ ១៨៥ ទោក ខ	. J ^{n/a}			and a section	•
2. NMO 800190035 ma	chined new hinge pi	n closure plugs	(2) in acco	ordance with I	RRP-012-08.			
3. NMO 800191029 ma			* , .		~		1 1	
4. NMO 800084423 ins in conjunction with v	alve reassembly.		i closure pl	ugs in accord	ance with W	R3-08-0	35 and RRP-00	2-08
5. A VT-2 examination	and system leakage t	est-was perform	ned in conj	unction with	procedure SC	D23-XV	11-3.1.1.	1 1
								•
	· · · · · · · · · · · · · · · · · · ·							
8. Tests Conducted	THE RESERVE			Sar-	Pressure:_	X E	xempt: C	other:
	Pressure: 2250	psi i est	remp: <u>≥</u>	400 T	5 ·			4

9. Remarks: Closure plug material certified to ASME III; Class 1, 1974 Edition, S. '74 addenda, acceptable per report of reconciliation (RoR) 024-03.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

I certify that the statements made	e in the repor	t are correct	and this conforms to	the i	equir	ements	of the	ASME	Code
Section XI.	1000	÷	अन्य पूर्व १ । अस				•	.3	i*

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date:

CERTIFICATE OF INSERVICE INSPECTION

Owner or Owner's Designee, Title

21 34 2 45 4

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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period Lolo to to the 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. CHARLES THE BUT COME THE STATE OF THE

Inspector's Signature

Commissions CA ZOBI

(National Board, State, Province, and Endorsements)

1. Owner: Souther Address: 2244 V		ison Company venue, Rosemead, C	S S Lange CA 91770		Date: 0	2/1/1/2009			Sheet 1 of
2. Plant: San Onof	re Nuclear Gen	•			Unit: C / /* \ Repair/	Replacei	nent Plai	n: GEN-266	
3. Work Performed Address: 2244 V				•	WO : 80	0066641		Service and the	g Amoun Amerika
4. Identification of	System: Main	Steam System			Authori	ode Syml zation N ion Date	:	N/A******* N/A	. t (# **
		Code: ASME Section					denda	1006 Addondo	ija eta eta L
6. Identification of		tion XI Utilized for	Repair/F	cepiaco	ement Activ	ity: 1992	Edition;	1990 Addenda	
Name of Component	Name of Manufacturer	Manufacturer Serial Notice	National Board		Other Identificati	on · i	Year Built	Corrected, Removed, or Installed	. ASME Code Stampe Yes/No
(20) '1-3/8"- 8UN(3A) x 36" long all-thread material	Mackson Inc.	Heat Code "BPU"	<u>Mestine</u> No. of		RSO-0831-0 SA 193 gi	8-01 B7	N/A	15 (a <u>s 7) </u>	No
RRP-GEN-266 Relengths of approxi	ment inlet studs ev.0. This fabric imately 9-5/8" a	ofor the main steam cation process involved ind machining per de naterial code, and w	ved cutting etail 5 of c	g the (2 Irawing	0) pieces of SO23-507-	36" long	all-threa	d (heat # 77278	85) to stud
		ere viamilia	130 <u>/ 1</u>	· .	2 # Z	, .			
									; ;
8. Tests Conducted:	None Requir	red							
o. Tests Conducted.	Pressure:		Tes	t Temj	o: <u>N/A</u>	······································	ok		

9. Remarks: RoR-002-03 reconciles the replacement stud material which is certified to ASME III, Class 2, 1989 Edition, no add.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Supervising ASME Code Engineer Date: February

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Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION and the second of the second of the second

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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 10 0% to 11 14 06, 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 <u>CAZO</u>

(National Board, State, Province, and Endorsements)

Oar in state a season is the time of a tag skale heat or drawings may be used in the decimal the number of about

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As Required by the Provisions of the ASME Code Section XI

		ison Company		Date	:: 02/18/09		S	heef Tof 1
2. Plant: San Onof	re Nuclear Gen	erating Stations Contents	188240			ent Plai	n: ASME SEC	rion XI
3. Work Performed	l by: Southern	California Edison Covenue, Rosemead, CA	mpany"		800071005,		DATA-0173	
4. Identification of	System: React	or Coolant System		Auth	e Code Symb porization No ration Date:		p: N/A N/A N/A	×,
5. (a) Applicable	Construction				ition, no adde			. *** [‡] • * ₹
(b) Applicable	Edition of Sec	tion XI Utilized for F	Repair/Rep	lacement Ac	ctivity: 1995	Edition;	1996 Addenda	
6. Identification_of	Components:	* .						
the state of the s	· · · · · · · · · · · · · · · · · · ·			T	The second second second second	· · · · · ·		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	Board No.	Identi	fication	Year Built	Corrected, Removed, or Installed	ASME Code Stamped
6" x 8" Pressurizer Safety Valve	Dresser Flow	in i Buo aé in asa in- BU06253⊋ di in in al-basa	DUNAW.	3PS		1980	Removed	Yes/No Yes
6" x 8" Pressurizer Safety Valve	Dresser Flow Control	BS03209	~~N/A	: 'RSO-I	1610-08	1978	Installed .	Yes
2"-8UN x 14½" Stud Bolt (8)	Mackson Inc.	Heat # 11736340 Trace Code "BMY"	N/A Salar Joyan		1552-07 3 Gr.B7	N/A	Installed	No
2"-8UN Heavy Hex Nut (8)	Mackson Inc.	Heat # M89768 Lot Code "HOO3"	N/A	RSO-	1552-07 14 Gr.7	N/A	Installed	No
7. Description of W Pressurizer safety val as a preventative mai	ve located in pl ntenance action	ant position 3PSV020 . (8) inlet flange stud lent. A VT-1 inspection	bolts and (8	ced with a re	efurbished and	its were	replaced in-kir	nd in
The T on Marke	About a second of the second o	and a supplied to the supplied of the supplied		,	e con			
	,							
			غو				•	•
8. Tests Conducted:	Hydrostatic	Pneumatic:	_ Nomin	al Operatin	g Pressure:_ <u>}</u>	<u>K</u> Ex	empt:	Other:
	Pressure:	2250 psia Test	Temp:	≥280 °F (V	T-2 perform	ed per S	SO23-XVII-3.	1.1)

NOTE:

9. Remarks: None.

3 1 1 3 8 9 M

(Applicable Manufacturer's Data Reports to be attached)

The the other spice was a first of the

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

AB Merchlet Supervising ASME Code Engineer Date: 3/3/0

Owner on Owner's Designee, Title 1998 The Review of State State State of the State

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10 10 00 to 11140B, 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. Side the same of t

Commissions (A) 208 mass and California

(National Board, State, Province, and Endorsements) The control of the state of the

A REPORT OF THE PROPERTY OF TH

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

As Required by the Provisions of the ASME Code Section XI

Owner: Southern California Edison Companyad about wis vertail and Date: 2/23/2009 1. Sheet 1 of 2

Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit:

2. Plant: San Onofre Nuclear Generating Station

Address: P.O. Box 128, San Clemente, CA 92672-0128

Repair/Replacement Plans: 003-08

Work Performed by: Welding Services Inc. 3.

4.

Address: 2225 Skyland Ct., Norcross; GA 30071

NMO: 800077981

Type Code Symbol Stamp:

N/A

Identification of System: Reactor Coolant System.

Authorization No: N/A

the Kit will part fill as I

Expiration Date:

N/A

- (a) Applicable Construction Code: (original vessel code) ASME III, Class 1, 1971 Edition, Summer 1971 5. Addenda; (heaters) ASME III, Class 1, 1986 Edition, No Addenda and Code Case N-405-1, and Subsection NH, 1998 Edition (elevated temperature service).
 - (b) Applicable Edition of Section XI Utilized for Repairs/Replacement Activity: 1995 Edition; 1996 Addenda; pressure testing was performed per IWA-4540, 1998 Edition, 2000 Addenda

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

Entropy of the Control of the Contro

	, 3	海南 医红色斑 医	THE FLE		\$ 5 \ h	: Corrected,	ASME
Name of	Name of	Manufacturer	National	Other	Year	Removed, or _	Code
Component	Manufacturer	Serial No.	Board No.	silIdentification 🐰	Built 6	Installed	Stamped
	and the state	14 1 1 2 3 3 3 3 4 1 3 3 3	malisell b	TOP I WE CALLED TO	J. 125 112 114	Contract Contract	Yes/No
Pressurizer Vessel	armaG.E. cia :	o. CE 7.06.03 ma.	21496	S31201ME087	` 1977₁	Corrected	Yes
Heater 2ME603	Areva NP:Inc.	1 27 x 32817 (34)	. €.2 N/A ` 1€.	RSO-1745-07-01	2008	Installed	Yes
Heater 2ME606	Areva NP Inc.	308	N/A	RSO-1745-07-01	2008	Installed	Yes
Heater 2ME613	Areva NP Inc.	307_	N/A	RSO-1745-07-01	2008	Installed	Yes
Heater 2ME616	Areva NP Inc.	325		RSO-1745-07-01	2008	Installed	Yes
Heater 2ME621	Areva NP Inc.	304,	N/A	RSO-1745-07-01	2008	Installed	Yes
Heater 2ME627	Areva NP Inc.	327	N/A	RSO-1745-07-01	2008	Installed	Yes

Description of Work: New replacement pressurizer heaters were installed in 6 locations. The replacement work 7. was performed by Welding Services, Inc (WSI) in accordance with WSI's QA and Welding Programs, and Edison's ASME Section XI Program. Weld filler material was supplied by WSI.

Reference Documents: WSI Traveler # 104534-TR-013, Weld Data Sheets HW-101 thru HW-106

8. Tests Conducted: System Leakage Test and VT-2 Examination performed at NOP/NOT per SO23-XVII-3.1.1

Test Pressure: 2250 psi

Test Pressure: ≥ 280°F

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this 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

Miller traces of the

Signed: Supervising ASME Code Engineer Date: 2/24/09
Owner or Owner's Designee, Title

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Böiler and Pressure Vessel Inspectors and the State or Province of California, and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/10/08 to 11/14/08, 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.

ELECTRIC CONTRACTOR SERVICES CONTRACTOR CONTRACTOR

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Commissions Cálifornia CA2093

Inspector's Signature (National Board, State, Province, and Endorsements)

Date 2/77 . 2009

		=		=======
Owner: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770.	- Date: 02/13/09	. ****	SI	heet 1 of 1
	Unit: 3	٠.		·
2. Plant: San Onofre Nuclear Generating Station Address: P.O. Box 128, San Clemente, CA 92672-01283 (5.1)	Repair/Replacem	ent Plar	ı: 004-08	grade in
3. Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770	WO: 800078112	,		Sealing in
1244, 6001 22 17 Franket G10 F0 11 F0 1100, 1000 11044, 011 917 F0	Type Code Symbo	ol Stami	n: N/A	41,62
4. Identification of System: Reactor Coolant System (1201)	Authorization No Expiration Date:	:	N/A -N/A	1 17
5. (a) Applicable Construction Code: ASME Section III, Class 1, 197	4 Edition, Summer 1	974 Add	lenda .	
(b) Applicable Edition of Section XI Utilized for Repair/Replacen Code Case N638-1 and N504-2 / Relief Request ISI-3-27 and ISI 1998 Edition, 2000 Addenda.				
6. Identification of Components:	e e e e e e e e e e e e e e e e e e e	*	TE F LONG CARPERS	-
	LUNG STATE	· · · · · · ·		
			Corrected,	ASME
Name of Manufacturer 6 National	Other	Year	Removed, or	Code
No	Identification	Built	Installed	Stamped Yes/No
(12") Hot Leg Surge Pullman Inc. S3-RC-015-002 N/A S3-12		1978	Corrected	Yes
In numeral production			1.00 1.00 1.3	
7. Description of Work: During the 2008 Unit 3 Cycle 15 scheduled refuse structural weld overlay on the (12") Hot Leg Surge Nozzle. This dissimilar Class 1 pressure boundary. The ISI identification number is (03-007-010), the existing pipe. The (DMW) filler metal is alloy 82/182 (F43 equivalent austenitic stainless steel (ER308L) buffer layer has been applied to the safe to reduce the possibility of hot cracking due to the potential presence of surmaterial. The structural weld overlay has been deposited with Inconel alloy using the ambient temper bead installation which is resistant to both crack is overlay is installed it will remain in place for the design life of the repair the	metal weld is subject. The safe end is auster to P43) welded to a cend and pipe base in face impurities of the 52M, UNS # (N0605 nitiation and propaga	to PWS arbon st etal. The existing 54), (ER tion. On	SCC and is an A nless steel (P8) eel forging (P1) buffer layer is g safe end and p NiCrFe-7A) fill ce the structura	SME III, along with nozzle. A designed sipe base ler metal
Design Documents / Drawings: ECP 070500111-2 WSI Traveler # 104534-TR-005 Weld Data Sheet: Hot Leg Surge Nozzle-Weld ID: DMW 03-007-010 / V Reference Documents: Relief Request ISI-3-27 and ISI-3-28, / Code Cas		2	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	••
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Op Pressure: ≥2250psi	oerating Pressure: <u>X</u>	Ex	empt: Oth	er:
VT-2 examination performed in conjunction with procedure SO23-XVI	II-3.1.1			

9. Remarks: None.

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

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CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

igned: A For A Meichler Supervising ASME Code Engineer Date: 2/24/09

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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>HSB-CT</u> of <u>Hartford</u>, <u>CT</u> have inspected the components described in this Owner's Report during the period <u>to to province</u> to <u>province</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 requirements of the ASME Code, Section XI.

Sent to the and the content of the best of the content of the cont

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 CA2093 California (National Board, State, Province, and Endorsements)

Date 2/27/09

William Alband of the Mark Mark Mark

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As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern California Edison Company (21, 10, 10, 10, 10, 10, 10, 10, 10, 10, 1	Date: 02/13/09	Si	heet 1 of 1
2. Plant: San Onofre Nuclear Generating Station: (1997) TO Address: P.O. Box 128, San Clemente, CA 92672-0128	Unit: 3 Repair/Replacement Plan: 0	005-08	
3. Work Performed by: Southern California Edison Company Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770	₩⊙ : 800078112 ·	. arta i	
4. Identification of System: Reactor Coolant System (1201)		N/A N/A N/A	nas (†
5. (a) Applicable Construction Code: ASME Section III, Class 1, 1974	Edition, Summer 1974 Adden	da mana	the man
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Code Case N638-1 and N504-2 / Relief Request ISI-3-27 and ISI-3-1008 Edition 2000 Addends	ent Activity: 1995 Edition, 1993-28. Pressure testing performe	96 Addenda d IAW 4540),
1998 Edition, 2000 Addenda.	til som store skriver i kalender i store skriver i kalender i store skriver i skriver i store skriver i skrive Skriver	and produce	
6. Identification of Components:	and the second of the second o	and the lateral	م ما
	Other Year R	Corrected, emoved, or Installed	ASME Code Stamped
(16") Shutdown Pullman Inc. S3-RC-016-001 N/A 1 S3-120	1-ML-016 Sht. 1 1979 (Corrected	Yes/No Yes
7. Description of Work: During the 2008 Unit 3 Cycle 15 scheduled refuel structural weld overlay on the (16") Shutdown Gooling Nozzle. This dissimil III, Class 1 pressure boundary. The ISI identification number is (03-007-009) with the existing pipe elbow. The (DMW) filler metal is alloy 82/182 (F43 e (P1) nozzle. A austenitic stainless steel (ER308L) buffer layer has been applied buffer layer is designed to reduce the possibility of hot cracking due to the possible end and pipe base material. The structural weld overlay has been deposit (ERNiCrFe-7A) filler metal using the ambient temper bead installation which Once the structural weld overlay is installed it will remain in place for the definition.	ar metal weld is subject to PW. The safe end is austenitic sta quivalent to P43) welded to a ced to the safe end and pipe elbotential presence of surface impacted with Inconel alloy 52M, Una is resistant to both crack initial	SCC and is a inless steel (I carbon steel) ow base metourities of the NS # (N0605 ation and pro	an ASME P8) along forging al. The existing 64), opagation.
Design Documents / Drawings: ECP 070500111-2 WSI Traveler # 104534-TR-017 Weld Data Sheet: Hot Leg Shutdown Cooling Nozzle-Weld ID: DMW 03-Reference Documents: Relief Request ISI-3-27 and ISI-3-28, / Code Case	007-008 / WOL-102 N638-1 and N504-2	."	
8. Tests Conducted: Hydrostatic: Pneumatic: Nominal Ope Pressure:_ ≥ 2250psi Test Temp: ≥ 280°F	rating Pressure: X Exem	pt: Oth	er:
VT-2 examination performed in conjunction with procedure SO23-XVII-	3.1.1		

NOTE:

9. Remarks: None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

I The The Will the well was the

Signed:

Supervising ASME Code Engineer Date: 2/24

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and Mos

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/10/8 to 11/14/08, 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. Charleston of High Chief Charles and Chief Chief Chief

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 The first the first section of the first the first section of the first this inspection. Million of the comment

Inspector's Signature

Commissions CA2093 Catalana California . :

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(National Board, State, Province; and Endorsements)

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2/27/09 Date _

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1. Owner: Souther Address: 2244		lison Company Avenue, Rosemead,			Date: 02/13/0	97.		Sheet 1 of 1
2. Plant: San Ono. Address: P.O. I		erating Station emente, CA 92672		o Dece	Unit: 3 Repair/Repla	cement Pla	n: 006-08	
3. Work Performe Address: 2244		Califórnia Edison (venue, Rosemead,		aliy ku Kibri	WO : 8000781			Birgaret Marie Bir
4. Identification of	System: React	or Coolant System ((1201)		Type Code Sy Authorization Expiration Da	No:	np: N/A N/A N/A	na na s p ott
5. (a) Applicable	e Construction	Code: ASME Secti	on III, Class	1, 1974	Edition, Summ	er 1974 Ad	denda	Howard Co
Code Case		tion XI Utilized for 04-2 / Relief Reque da.						
6. Identification of	Components	to the control of the second second second	enteres parte a la set	40 F F F			and the second second	and the second second
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	· (Time to the second	Other entification	Year Built	Corrected Removed, Installed	or Code
(2") Hot Leg Drain Nozzle	Bechtel Corp.	S3-RC-018-01A	N/A	S3-120	1-ML-018 Sht.	1 1980	Corrected	
7. Description of Westructural weld overland the existing pipe. The austenitic stainless state reduce the possibility material. The structures in the ambient tempoverlay is installed it	ay on the (2") Hondary. The ISI is the (DMW), filler eel (ER308L) bounded from the control of the control weld overlay mper bead instal	ot Leg Drain Nozzl dentification numbe metal is alloy 82/18 uffer layer has been ing due to the poten has been deposited lation which is resis	e. This dissi r is (03-007 32 (F43 equi applied to t tial presence with Inconstant to both	milar me -011). The valent to he safe e of surfacel alloy 5 crack ini	tal weld is subjute safe end is an P43) welded to and pipe basice impurities o 2M, UNS # (Nation and projection	ect to PWS ustenitic state a carbon see metal. The f the existin 06054), (EF pagation. O	CC and is an inless steel (I teel forging (in buffer layers age and an inception of the structure of the str	ASME III, P8) along with P1) nozzle. A r is designed and pipe base filler metal
	4534-TR-007 Hot Leg Drain N	ECP 070500111-2 lozzle-Weld ID: DM lest ISI-3-27 and IS				504-2		
8 Tests Conducted Pressure:	d: Hydrostatio ≥2250 psi		: Nomi mp: ≥ 280		rating Pressur	e: <u>X</u> E	xempt: (Other:
VT-2 examinatio	n performed in	conjunction with pro	ocedure SO2	23-XVII-	3.1.1			

124 944

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Bearing the State of

Signed: Signed: Supervising ASME Code Engineer Date: 2/24/0°

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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>HSB-CT</u> of <u>Hartford</u>. <u>CT</u> have inspected the components described in this Owner's Report during the period <u>10/10/08</u> to 11/11/08, 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.

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Commissions CA 2093 California

Inspector's Signature (National Board, State, Province, and Endorsements)

Date_ 217/09____

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As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern Address: 2244 V	n California Ediso Valnut Grove Avei		ca 91770		Date: 12/9/08	- 1•	SI	neet 1 of 1
2. Plant: San Onofi Address: P.O. B	re Nuclear General ox 128, San Cleme			orno que en con	Init: 3	ent Pla	n: 800083097-0	200
3. Work Performed Address: 2244 V	I by: Southern Ca Valnut Grove Aver				WO: 800083097	٠.	7 4 2 g 03	e stoll Boses
4. Identification of	System: Safety In	jection System		A	Type Code Symbo Authorization No		" N/A	
5. (a) Applicable	Construction Cod	ASME Sec	tion III, C	lass 1; 1971 lass 1, 1974	Expiration Date: Edition, S. '73 a Edition, S. '74 a Edition, S. '74 a	ddenda	(Weld B)	mer Harris (1875)
(b) Applicable 6. Identification of	Edition of Section	ı XI Utilized for	Repair/F	Ceplaceme ii	t Activity: 1995	Edition;	1996 Addenda	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	}	Other ntification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
3" 1500# Tilt Disc Check Valve	Anchor/Darling Valve Co.	IN-243	- N/A - 3	S312	204MU018	1977	Removed	Yes
3" 1500# Tilt Disc Check Valve	Flowserve Corp.	BD671	N/A	RSC	D-1897-07	2007	Installed	Yes
7. Description of W leakage. The valve re 1) Welding and NDE 2) A PDI-UT examin 3) A VT-1 examination of VT-2 Examination	placement include were performed in ation was performed on was performed	s the following on accordance with ed on the Class I on the hinge pins	perations: h weld reco weld (WF bolting in	ords WR3-0 R3-08-046) accordance	08-045 and WR3- in accordance wit	08-046. h ISI Pr		ssive seat
- 1 	e englis man in the	n - when a hough a fifteening wash you impaire on		Chatterin .		* ** * **		
				, •				
8. Tests Conducted:	Hydrostatic:	_ Pneumatic:	Noi	i ninal Oper	ating Pressure:_	<u>X</u> E	xempt: Ot	her:

Test Temp: N/A

Pressure: 1485 psi

NOTE:

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

CERTIFICATE OF COMPLIANCE

7. de 200

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

ALCOHOLD BY

Certificate of Authorization No: N/A

Expiration Date: N/A

For Al Meichler Supervising ASME Code Engineer Date: 12/9/08

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION 1998

THOUGHT INVESTIGATION OF THE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/10/08 to 11/14/08, 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 CA 208

(National Board, State, Province, and Endorsements)

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els lie technin orb bus bereiting to 12 ac. . , . .

1. Owner: Southern		lison Company Avenue, Rosemead, (Date: 12/10/08		S	heet 1 of 1
				Unit: 3	* ********	t i market per part p	1 10 45 15 1 1 1 1 1 1
		erating Station and emente, CA 92672-		Repair/Replacem	ent Pla	n: GEN-206	
3. Work Performed Address: 2244 V		California Edison (venue, Rosemead, (WO: 800160365	. 1. 4 .	Month of the est	Projects (Fig. 1) Projects (Fig. 1)
4. Identification of	System: React	or Coolant System		Type Code Symb Authorization No Expiration Date:		p: N/A . N/A . N/A	y - 39 - 1
5. (a) Applicable	Construction			Class 1, 1971 Edition, W.'71 a Class 1, 1980 Edition, S. '82 E			1 - 1/95
(b) Applicable	Edition of Sec	tion XI Utilized for	Repair/F	Replacement Activity: 1995	Edition;	1996 Addenda	1.131
6. Identification of	Components;	er e rammera a la la lama de la lama.	d La Privilla Santana de				
Name of Component	Name of Manufacturer	Serial No.	Board	Other 1775	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
36" Reactor Coolant Pump	Byron Jackson	2701-N-0563	⊒:N/A∷	S31201MP001	1979	47.2-4	Yes
RCP Mechanical. Seal	Bingham! Willamette	714880-1	1169	so23-Cart#19	1986	Removed	Yes
RCP Mechanical. Seal	Bingham Willamette	1714880-8 ic. (75 — 1. 16 (16 (17))	1168	SO23-Cart#18 Rebuild WO 800062425	1986	Installed	Yes
	ONGS rebuild r NMO 800199	program under NM	1201MP0 O 800062	01 was replaced with a spare 425. The removed seal cartric			
						·. ,	
t view with the site	M. A	to a control statement date.	t state with the garage and				
		e e					
8. Tests Conducted:	Hydrostatic:	Pneumatic:	Non	ninal Operating Pressure: <u>X</u>	Ex	empt: C	Other:
VT-2 Exam. perforn	ned per procec	lure SO23-XVII-3.	1.1 Pre:	ssure: 2250 psi	Test	Temp: <u>≥280</u>	ok.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Catholic St. M. March Co., March

Signed: Phert G. Sears

ears_____ Supervising ASME Code Engineer. Date: February 24, 2009

ENGLY CHARLES STATE DIRECT

Owner or Owner's Designee, Title

The state of the state of the state of the

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/10/2 to 11/11/08, 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 (A208)

California

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governor administration of a second control of the manufactor of second control of the manufactor of second control of the second co

Stated MA of Cather County and the service of the County

(National Board, State, Province, and Endorsements)

Date 3409

3000

As Required by the Provisions of the ASME Code Section XI

1. Owner: Southern Address: 2244 V)	Date:	·1/19/09		S	 heet 1 of
			and the		•	Unit:			The contract of an angle to	err for the construction
2. Plant: San Onofi Address: P.O. B					. 11	Repai		ent Pla	n: GEN-206	
3. Work Performed Address: 2244 V					u ar 185 K	wo:	800160452) F1 1	tine in the second seco	
4. Identification of	<i>:</i>			· · 1		Autho	Code Symb prization No ation Date:		p: N/A > IN/AI . / ; } N/A	
5. (a) Applicable	Construction						ion, W.'71 a ion, S. '82 E			est de la
(b) Applicable	Edition of Sec	tion X1 U	tilized for	Repair/I	Replacen	nent Act	ivity: 1995	Edition;	1996 Addenda	: ' :
: 6Identification.of.	Components:			······································						
	T	<u> </u>	·	ľ				1	Corrected,	ASME
Name of Component	Name of Manufacturer	Seria	al No.	National Board]	Othe Identifica	ation	Year Built	Removed, or Installed	Code Stampe
36" Reactor Coolant	Byron	~~701-N	1-0562}_\	⊡N/A⊑			P004	1979	2	Yes/No
Pump	Jackson		i den diale	 				J	i	
RCP Mechanical. Seal	Bingham Willamette	1659	057-6 ^{06/1}	¹⁹⁶ 1174 ¹¹¹	S	O23-Ca	rt#24	1986	Removed	Yes
RCP Mechanical. Seal	Bingham Willamette	1714	880-3 8706 or 1911	1172 29.5.1 14	1	O23-Cai ld WO 8	rt#22 00054938	1986	Installed	Yes
7. Description of W accordance with the S rebuild program unde	SONGS rebuild	program								
· • · · · · · · · · · · · · · · · · · ·	and the state of t		56, \$6, 57 6	gradina Surahi. Gula - Surahi			dr			
· · · · · · · · · · · · · · · · · · ·		•	٠.			r			10 10 10 10 10 10 10 10 10 10 10 10 10 1	(1)
· · · · · · · · · · · · · · · · · · ·	and which we have the second	Made of the contract	Pitter Pippingerich (der 1911 – 1 der 19	estador is 1991	·					
									÷	
		,								
8. Tests Conducted:	Hydrostatic:	: Рп	eumatic:	Noi	ninal O _l	erating	Pressure: 2	<u>K</u> Ex	empt: C	other:
VT-2 Exam. perfort					ssure:				Temp: <u>≥280</u>	° F

NOTE:

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Kohert C. Sears.

Supervising ASME Code Engineer Date: Februar, 24, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period lower to WILLIAM 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 $\bigcap \bigcap \bigcap \bigcap$

Mornal flet

Commissions (A70B)

California

Commission of the March Port of American

Inspector's Signature

(National Board, State, Province, and Endorsements)

Date 3/4/09

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constraint of the engalizes from probability on (1) and option of the constraint of

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J. Owner: Southern	n·California Ed	ison-Company	o a l'obratio		Date: 02/17/0)9	Si	neet 1 of 1
Address: 2244 V	wainut Grove A	venue, Rosemead, (Unit: 3			
. Plant: San Onofi	re Nuclear Gen		Lendon - Southern House		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · ·		100 1 to 1000 0 12 - p 1 2
		emente, CA 92672-	0128	. i .	Repair/Repla	cement Pla	n: ASME Section	n XI Data
					-0085			
		California Edison C		:	WO : 8001779	Section 1881	er na jedenati	
Address: 2244 V	Valnut Grove A	venue, Rosemead, O	SA 91770		WO : 8001779	969	,	
Identification of	System: Auxili	ary Feedwater Syst	em		Type Code Sy	embol Stam	n: N/A	
	.,	, ,			Authorization		N/A	: .
	*		•		Expiration Da		N/A	
. (a) Applicable	Construction (Code: ASME Section	on III, Clas	ss 2,	1974 Edition, S. '74	addenda		
(b) Applicable	Edition of Soci	tion XI Utilized for	· Danair/E	onio	coment Activity: 1	005 Edition:	1006 Addenda	
(b) Applicable	Edition of Sec	non Ar Omizeu ioi	Керап/г	серла	cement Activity: 1	995 Edition, ".	1990 Addenda	
Identification of	Components:				<u></u>			÷
			· · · · · · · · · · · · · · · · · · ·	,			4	
							Corrected,	ASME
Name of	Name of Manufacturer	Manufacturer Serial No.	National Board		Other Identification	Year Built	Removed, or	Code
Component	[igranuracturer]	Serial No.	No.		Identification	Dunt	Installed	Stamped Yes/No
4" 900# Y-Globe	Atwood &	3-16188=01		1 2	*S31305MU124 <i>i</i> :	1991	Corrected	Yes
Lift Check Valve	Morrill Co.							
Poppet	Weir Valves	* O'Serial # 2 Orse	& N/Ade	4 NE	RSO-2170-06	2006		Yes
	and Controls	Mar Diver Diver	ញ៉ាំ នៅ្រុ	(10.7):	SA516 gr:70	The same of the same		<u> </u>
-		to a at the order			7 1 10		•	
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		live returned to serv		iaui.	A V 1-2 CXAIIIIIAIIO	n was perior	med mreorijanet	TOTE WITH A
21	to select a re-	and a commence of	407 B. 65				· · · · · ·	· · ·
		o illa karan ali likika da					$\mathcal{F}_{i} = \{ i \in \mathcal{F}_{i} \mid i \in \mathcal{F}_{i} \}$	
e e e e e e e e e e e e e e e e e e e	the May be also	Million Color of the Color of t	71. : : : : :	i je	got for the		The state of the s	
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		the second of th		• •		•	• • • • •	* **
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•								
								•
Tests Conducted:	Hydrostatic:	Pneumatic:_	Non	ninal	Operating Pressu	re: <u>X</u> Ex	empt: O	ther:
		007	- 4 . TC		KI/A OF	,		
	Pressure:	995 psi Te	st Temp:_		N/A °F			

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

Legitify that the statements made in the report are correct	and this conforms to the requirements of the ASME Code,
Section XI.	SUT 10 TO SECOND AND THE POST OF THE POST
Type Code Symbol Stamp: N/A	
The state of the property of the state of th	piration Date: N/A

Signed: Robert (1 Sears Supervising ASME Code Engineer Date: February 23, 209

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period CB to MULOS, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective ineasures 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 CA 208 California
Inspector's Signature (National Board, State, Province, and Endorsements)

Date 3309

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of the abstances, or maxings may be also be also for the feat the market of the feat.

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

				=======				======:
I. Owner: Souther	n California Edison	Company	n i versione de la companio		Date: 2/13/09		S	Sheet 1 of
	Walnut Grove Avenu	ie, Rosemead.	CA 91770)	•			
2. Plant: San Onof	ro Nuclear Generati			Maria Augusta	*Unit:\3			
	ox 128, San Clemen		-0 <u>1</u> 28 _{2 5}	43° 00° 9	Repair/Replacen	ent Pla	n: ASME SECT	LIÓN XI
3. Work Performed Address: 2244 V	d by: Southern Cali Walnut Grove Avenu)	WO : 800180638	`		
	6 6 1 1		.A	٠	Tour Code Court	.1.04	31/A	11.
. Identification of	System: Safety Inje	ction System	, <u>.</u> 149		Type Code Symb Authorization No Expiration Date:	: · · · .		1.5
5. (a) Applicable	Construction Code	: ASME Section	on III, Cla		•			٠,
(b) Applicable	Edition of Section	XI Utilized for	Repair/I	Replaceme	ent Activity: 1995	Edition;	1996 Addenda	• ••,
6. Identification of	Components:	2 AND 1111 1 1 1 1 1		·• .	i i i i i i i i i i i i i i i i i i i			
The second secon		The series of the series of the series		Γ.	with the same of t		Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board		Other entification	Year Built	Removed, or Installed	Code Stamped
Component		isloft, in			REAL PROPERTY OF THE			Yes/No
1½" 600# Y-Type Globe Valve	Kerotest Mfg Co.	NO3-10-17	N/A	S32	2417MU016	1976	Corrected	Yes
Disc	Kerotest Mfg. Co.	ABH28-7	N/A Th		SO-4363-85 y. 316 w/Stell.#6	1985	Installed	Yes
Description of Working was found to be uppendix I test was p	insat, for continued	use and was rep rework in lieu	of VT-2 e	n an in-kin xaminatio	d replacement disc in.	ked to c (S/N A	orrect seat leaka BH28-7). A sati	ige. The isfactory
, , ,		a ya mate ila ya T	· · · · · ·	٠.				
	A Committee of the Comm	accomments are sure and section (***				•	,
							·	
				·				
			•					
Tests Conducted:	Hydrostatic:	Pneumatic:_	Nom	inal Oper	rating Pressure:	Ex	empt: Otl	her: <u>X</u>
•	Pressure: N/A		 t Temp:_			=	-	
			r·		_			

9. Remarks: Appendix J test performed in lieu of VT-2 examination.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are corre	ct and this conforms to the re	equirements of the ASME Code,
Section XI.		

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Kohert G Jeans

Supervising ASME Code Engineer

Date: February 21, 2009

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

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 Stenature

Commissions

CA 2081

California

(National Board, State, Province, and Endorsements)

Date 3/4/09

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ATTACHMENT D

FORM NPV-1 MANUFACTURERS; DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules

_					
	. a w	2525	Liberty Avenue	The state of the s	t k t gr
1.	Manufactured by Kerotest Manufacturi	ng Corp. Pitts	burgh - Pa - Ore	der No NU-54942	
	(Ņame, &	Address of Manufacturer). Box 400		
2.	Manufactured for Southern California	Edison Co. Sar	Clemente, Califord	der No. <u>N414126</u> 1	
		Name and Address)	Service Control of the	1 9 0 1 1 1 1 2 2	447
3.	Owner Southern California	Edison Co.			# 255 T
4.	Location of Plant San Onofre Generati	ng Station, San	Clemente, Califor	nian I	
5,	Rumpxor Valve Identification 1-1/2" Che	ck Valve seria	1 # <u>N</u> O3-1023	<u> </u>	
			• .		Minut H
•		on of service for which ec			
: -	servic	e: fluids and	solutions		
	Re: (a) Drawing No. SC-D-9958X01-(2) Sh. 1 of 1	Prepared byC	Tongel		
	(b) National Board No. N/A A Province (a)	Tan Albert		t to the second	
,),	Design Conditions	psi650	or Pressure Clas	s <u>6001</u> b.	(1)
,	· · · · · · · · · · · · · · · · · · ·	" moderate of the	31	19	. : '
•	The material, design, construction, and workma	anship complies with A	SME Code Section III. Cla	s.s. 2	
	The material, design, construction, and working Edition 1971, Addenda Date	Summer 1973	SME Code Section III. Cla Case No. N/A	s <u>s. 2</u>	25 - 2 - 2
	The material, design, construction, and workman Edition 1971, Addenda Date	Summer 1973	SME Code Section III. Cla. Case No. N/A Manufacturer	ss 2	
	Edition 1971, Addenda Date Mark No. 2007, 10 10008 (a) Castings	Summer 1973,	Case No. N/A	-	
	Edition 1971, Addenda Date	Summer 1973	Case No. N/A	-	
	Edition 1971, Addenda Date Mark No. 2007, 10 10008 (a) Castings	Summer 1973,	Case No. N/A	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973	Case No. N/A	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973,	Case No. N/A Manufacturer	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973	Case No. N/A Manufacturer	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973	Case No. N/A Manufacturer	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973	Case No. N/A Manufacturer	-	
	Edition 1971 , Addenda Date Mark No. 2002	Summer 1973	Case No. N/A Manufacturer	-	
	Edition 1971 , Addenda Date Mark No. 2000 (a) .Castings (b) Forgings	Summer 1973, Material Spec. No.	Case No. N/A Manufacturer	Remarks	
	Edition 1971 , Addenda Date Mark No. (a) Castings (b) Forgings Body P-9958-1-(1)Z	Summer 1973	Case No. N/A Manufacturer	-	INO TE
	Edition 1971 , Addenda Date Mark No. 2000 (a) .Castings (b) Forgings	Summer 1973, Material Spec. No.	Case No. N/A Manufacturer	Remarks	NO JF
	Edition 1971 , Addenda Date Mark No. (a) Castings (b) Forgings Body P-9958-1-(1)Z	Summer 1973, Material Spec. No.	Case No. N/A Manufacturer	Remarks	
	Edition 1971 , Addenda Date Mark No. (a) Castings (b) Forgings Body P-9958-1-(1)Z	Summer 1973, Material Spec. No.	Case No. N/A Manufacturer	Remarks	
	Edition 1971 , Addenda Date Mark No. (a) Castings (b) Forgings Body P-9958-1-(1)Z	Summer 1973, Material Spec. No.	Case No. N/A Manufacturer	Remarks	

⁽¹⁾ For manually operated valves only.

^{*}Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in items, 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top-of this form.

FORM NPV-1 (back)

•	Mark No.	Material Spec. No.	Manufacturer	Remarks ,
(c)	Bolting	1 .		·
	2.000		Company of the compan	V.
	, s , p			, ,
(4)		- 3		11
	Other Parts Assy. UP-9911-55-(1)Z	SA479 Type 316	Carpenter	Mat'l. Code HD
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	A 400 W 400	930	ender the second to the control of the second to	Sometime to the second of the
			eri remana jih mi	
Hydro	static testpsi.			
	CF	RTIFICATION OF I	PSICN	
	Kerotect	Manufacturing	Corp. 4246	
		Manuracturing,	corp.	
	analysis report on file at	N/A		1-7:4
Design	specifications certified byDon_	MIV	Tilb (1) Prof. Eng. State	Calif. Reg. No. 13352
(1) Sign	analysis report certified byature not required. List name only.	in MAR SECURIO	Event (1) Prof. Eng. State_	Reg. No.
(1) 018.	List halle only.			
	ify that the statements made in this report		11	
Date	May 2] 19_76_ Signed	Kerotest	By A 4	tároles
			Sv. J.	Caroleo
Certific	ate of Authorization No. 908	_ expires10/28/	77	
	CERTIF	ICATE OF SHOP IN	SPECTION	
	e undersigned, holding a valid commission he State of Province of Pennsylva	on issued by the Nation	nal Board of Boiler and Pr oved by The Hartfor	essure Vessel Inspectors d Steam Boiler I&I Co.
ofHa	rtford, Connecticut		ave inspected the equipme	1
Report o	on May 21 19.76, structed this equipment in accordance with	and state that to the	best of my knowledge and	belief, the Manufacturer
has cons	structed this equipment in accordance wit igning this certificate, neither the Inspe	h the applicable Subse	ctions of ASME Code, Sec	tion III.
ing the	equipment described in this Data Report.	Furthermore, neither th	re Inspector nor his emplo	ver shall be liable in any
maimer	for any personal injury or property damage	or a ross of any kind	arising from or connected	with this inspection.
	May 2176	•		
Date	May 21 19			
		Service Control of the Control of th	Publishing	combatic testanos trajes
	us Welch	الله الله الله الله الله الله الله الله	PN12052	em a fieta con mi
40	(Inspector)	Commissions	(National Board, State, 1	Province and No.)
	/			•

1		rn California Ediso Walnut Grove Ave		CA 91770	Date: 12/01/08		# C	heet 1 of 1
2.	. Plant: San Onot	fre Nuclear Genera Box 128, San Cleme	ting Station		Unit: 3 Repair/Replacen		n: GEN-250 Re	ole (t. V
3.	. Work Performe	d by: Southern Ca	llifornia Edison (Company	WO: 800181895			
4.		Walnut Grove Aver System: Main Ste			Type Code Symb Authorization No Expiration Date:	i:	p: N/A N/A	
5.	(a) Applicable	Construction Cod	de: ASME Section	on III, Class	2, 1974 Edition, S. '74 add	*	IN/A,	
	(b) -Applicable	Edition of Section	XI Utilized for	r Repair/Re	placement Activity: 1995	Edition;	1996 Addenda	
6.	Identification of	Components:						
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification-	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
S	ize 100-6 Snubber	Pacific Scientific	263	N/A	S3ST001H025T	N/A	Removed	No
S	ize 100-6 Snubber	Basic-PSA Inc.	42928	N/A	RSO-0729-07	N/A	Installed	No .
7. a p	Description of Woreventative mainte	ork: The mechanic	cal snubber in pla Γ-3 examination	ant functiona was perform	l location S3.SBCS.S3STC ed after installation of repl	01H025 acement	T was replaced snubber.	in-kind as
7. a p	Description of Woreventative mainte	ork: The mechanic	Γ-3 examination	ant functiona was perform	ed after installation of repl	acement	T was replaced snubber.	in-kind as
7. a p	Description of Woreventative mainte	ork: The mechanic	Γ-3 examination	was perform	ed after installation of repl	acement	snubber.	in-kind as
7. a p	oreventative mainte	Ork: The mechanic mance action. A VI	Γ-3, examination WOIT 19 WO 19 19 19 19 19 19 19 19 19 19 19 19 19	was perform	ed after installation of repl	acement	snubber.	in-kind as
7. a p	preventative mainte	mance action. A VI	C-3, examination WOTT THE STATE OF THE STAT	was perform	ed after installation of repl	acement	snubber.	in-kind as
7. a p	preventative mainte	mance action. A VI	C-3, examination WOTT THE STATE OF THE STAT	was perform	ed after installation of repl	acement	snubber.	in-kind as
a p	preventative mainte	enance action. A VI	F-3, examination ADIT 19 ADI	was perform	ed after installation of repl	acement	snubber.	in-kind as
a p	preventative mainte	enance action. A VI	F-3, examination ADIT 19 ADI	was perform	ed after installation of repl	acement	snubber.	
a p	Tests Conducted:	enance action. A VI	Pneumatic:	was perform	ed after installation of repl	acement	snubber.	

9: Remarks: The replacement mechanical snubber was certified to ASME III, Class 1(NF), 1998 Edition, 2000 addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Just for Al Meichler Supervising ASME Code Engineer Date: 12/1/08

Owner or Owner's Designee, Title

الراغور وعفات فالعبادينيان فالمعادد

CERTIFICATE OF INSERVICE 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>HSB-CT of Hartford</u>. <u>CT</u> have inspected the components described in this Owner's Report during the period $\frac{10/26/v8}{10/26/v8}$ to $\frac{10/26/v8}{10/26/v8}$, 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.

this inspection.	Commissions	CA 2093	California
Inspector's Signature	•	(National Board, State,	Province, and Endorsements)
Date 1/b/2009			

and he had the contract the contract of the co

1	Owner: Southern Address: 2244 Wa	California Edison (alnut Grove Avenu	Company e, Rosemead, C	A 91770		Date: 12/01/08		S	neet 1 of 1
2	Plant: San Onofre Address: P.O. Box			128	<u>:</u>	Unit: 3 Repair/Replacem	ent Pla	n: GEN-250 Re	v 1
3	Work Performed I Address: 2244 Wa	oy: Southern Calif	ornia Edison Co	mpany.	ite i	WO: 800184237			1
4	Identification of S	ystem: Reactor Co	olant System (12			Authorization No Expiration Date:		p: N/A N/A N/A	;
5	. (a) Applicable C	onstruction Code	: ASME Section	III, Class 1	NF.	, 1974 Edition, S. '74	addenda	a from GN Sec.	
	(b) Applicable E	dition of Section)				ment Activity: 1995 1	Edition;	1996 Addenda	·
6	. Identification of C	omponents:		Christian (Sp. 15) Annual (Sp. 16)	¥7,		barie.		
	Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No.	- 1	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
	Size 1/2-2.58 Snubber						N/A	Removed	No
5	Size 1/2-2.5" Snubber	Pacific Scientific	1 m20726 foot	N/A	4 - 1	RSO-2192-92	·N/A	Installed	No
te.	n shake ng siya Sasara sa K	i Tamento autorio del associal del compres	u Allento y njala ne. Unio nizednja e nja	artu geç mal olga	, ·	vas performed after in			t snubber.
							1	ı	
		ration of the second section of the section o	<u>lles (184)</u> Jack lout en	in the second	; · i.,				٠
						••• •			
	A FESSA E SEAS E ESTADO E ESTA	the dark their long may be seen y	PROCESSION OF PARTIES AND	enter of a lagran lagran of the	٠.	and the second of the second o	•		••
						. •			
	•								
3.					,			•	
	Tests Conducted:	Hydrostatic:	Pneumatic:	_ Nomina	, 1 O j	perating Pressure:	_ Exe	mpt: Ot	her: <u>X</u>
		Hydrostatic: <u> </u>				perating Pressure: 		mpt: Ot	her: <u>X</u>

Date

(Applicable Manufacturer's Data Reports to be attached)

Nakal J

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, 13.83 Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A: yes as a

For Al Meichler Supervising ASME Code Engineer Date: 12

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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>HSB-CT</u> of <u>Hartford</u>, <u>CT</u> have inspected the components described in this Owner's Report during the period 10/30/08 to 11/6/08, 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. Section XII

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 California (National Board, State, Province, and Endorsements) 1/8/2009

manufactured of the second of the second of the

Land Arthur Mark Barrier Harry Land Carl Land September 1

As Required by the Provisions of the ASME Code Section X1

1.		Talifornia Ediso Walnut Grove Ave		CÁ 91770	j	Date: 12/01/08 -		on the second	Sheet 1-of
2.		re Nuclear Genera 30x 128, San Cleme		0128		Repair/Replacer	nent Pla	n: GEN-250 R	ev.l
3.		d by: Southern Ca Walnut Grove Aver				WO : 800185890		•	. 2 1. c
4.	ldentification of	System: Main Ste	am System			Type Code Symb Authorization N Expiration Date:	0:	N/A N/A	٠
5.	(a) Applicable	Construction Coo	ie: ASME Section	on III, Cla	ss 2-NF, 1	974 Edition, S. '74	addend	amerika e	
	(b) Applicable ''s Identification of	Edition of Section Components:	XI Utilized for	-		ent Activity: 1995	Edition;	1996 Addenda	a
	Name of Component	Name of Manufacturer	Manufacturer~ Serial No.	National Board No.	1	Other entification	Year - Built	- Corrected, Removed, or Installed	
Siz	ze 100-6 Snubber	Pacific Scientific	. 338	N/A	S3S	T002H007E	1977	Removed	No
	ze 100-6 Snubber		42926	N/A	RS	SO-0729-07	2005	Installed	No
a pi	tana di kacamatan d Kacamatan di kacamatan di kacama	mance action. A V	n valuatione kun j n jahan pendale	udhermus. Habbilan	un (1775 – 1775) Styf	Carrier Constitution		Win of State	
	n seed a seed of the est	germiniaci (III) (Augustinaci) (Augustinaci)	1 20 20 20 10 10 10 10 10 10 10 10 10 10 10 10 10	Tale Maria	a Kilamilik T				
		·							*
			ergen i salver alemandi y saeg	e)) November 1		era e majorina de la casa de la c La casa de la casa de		~ . ~	•
						•			
3. T	ests Conducted:	Hydrostatic:	Pneumatic:_	Nom	iinal Opei	rating Pressure:_	Exe	empt:O	ther: <u>X</u>
		Pressure: N	/A psi	Test	Temp:	N/A C	°F		

NOTE:

9. Remarks: The replacement mechanical snubber was certified to ASME III, Class 1(NF), 1998 Edition, 2000 addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No. N/A.

Expiration Date: N/A

10 1 1 1 E.

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 HSB-CT of Hartford. CT have inspected the components described in this Owner's Report during the period $\frac{10.130/08}{10.130/08}$ to $\frac{11.77/08}{10.130}$, 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. 197 By the transfer to the product 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.

in the latest sketched, or even inga may be an experience of the second

and the control of the state of the second o

California Commissions Inspector's Signature (National Board, State, Province, and Endorsements)

1/12/2009 Date

As Required by the Provisions of the ASME Code Section XI

	Owner: Southern C Address: 2244 Wa			91770	Date: 12/01/08 Unit: 3		SI	neet 1 of 1
2.	Plant: San Onofre Address: P.O. Box				Repair/Replacem	ent Plan	:: GEN-250 Re	v.1
3.	Work Performed b Address: 2244 Wa				WO: 800187989		r.	rain West
4.	Identification of Sy	estem: Chemical an	d Volume Contro	ol	Type Code Symbol Authorization No Expiration Date:		3.1/4	,
5.	(a) Applicable Co	onstruction Code:	ASME Section I	II, Class 2-N	F, 1974 Edition, S. '74	addenda		; • - :
·6.	(b) Applicable Ed		I Utilized for Re		ement Activity: 1995	Edition;	1996 Addenda	er egis
	Name of Component	Name of Manufacturer	Manufacturer	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Si	ize 3/4-2.5" Snubber.	Pacific Scientific	. 15. 13. 1.04 8	N/A	S3VC001H009A	.198.7,	Removed	No
Si	ize 3/4-2.5" Snubber	Pacific Scientific		N/A	, = RSO-0786-91	.1990	Installed	. No
as a	a preventative mainte	nance action. A VI	-3 examination v	vas performe	d after installation of re	placeme	ent snubber.	
:	The state of the s	o one a classic especial Contact of the contact Contact of the contact	18 17 18 18 18 18 18 18 18 18 18 18 18 18 18	H	do Mithide Control City			
	The second of th	e Marindon English	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
	The second of th	unter til de englisse Måliger (ill. Nord englis Bålige (11)	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
	The second of th	unter til de englisse Måliger (ill. Nord englis Bålige (11)	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
	The second of th	unter til de englisse Måliger (ill. Nord englis Bålige (11)	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
	The second of th	unter til de englisse Måliger (ill. Nord englis Bålige (11)	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
	The second of th	unter til de englisse Måliger (ill. Nord englis Bålige (11)	a steath i line Sala ta the Sala Sala ta the sala ta	Barana (1996) Barana (1996) Barana (1996)	d Amora Joseph Line Grand Grand School			
8.			a regular i universida de la composita de la c		d Amora Joseph Line Grand Grand School		mpt:Ot	her: <u>X</u>

NOTE:

9. Remarks: The replacement mechanical snubber was certified to ASME III, Class 1(NF)

(Applicable Manufacturer's Data Reports to be attached)

		· M	rrect and this conforms to t	iio, roquir	منبني 10 س	C ADMIL CO	uo,
Section XI.			***				
	1. 1. Jan 183						
Type Code Symbol Star	np: N/A	:		5 m - 1	1 .		
, ;	3 + 4	12 P					

Al Meichler Supervising ASME Code Engineer Date: 12 Owner of 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 HSB-CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/1/0 to 11/6/0, 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. The second section 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 papper for any personal injury or property damage or a loss of any kind arising from or connected with

this inspection.	figury or proper	ty damage of a loss of an	y kind at ising from or connect
MACHA	Commissions	CA 2093	California
Inspector's Signature		(National Board, State,	Province, and Endorsements)
Date			

of temment

1. Owner: Souther Address: 2244 V	n California Ediso Walnut Grove Ave			- 1944 - 17	Date: 12/0	1/08	· · · · · · · · · · · · · · · · · · ·	S. S	heet 1 of 1
2. Plant: San Onof Address: P.O. B	re Nuclear Genera fox 128, San Clem) **;*.	Repair/Re	placem	ent Plar	n: GEN-250 Re	v.1
3. Work Performed Address: 2244 V	d by: Southern Ca Walnut Grove Aver			·** 1	WO : 8001				
4. Identification of	System: Main Ste	am System			Type Code Authorization Expiration	tion No		o: N/A N/A N/A	
5. (a) Applicable	Construction Co	de: ASME Section	on III, Clas	s 2-N	F, 1974 Edition	, S. '74	addenda	ran en e	**
(b) Applicable 6. Identification of	Edition of Section	n XI Utilized for	-			: 1995	Edition;	1996 Addenda	. ,,
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		Other Identification	1 <u>1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 </u>	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Size 100-6 Snubber,	Pacific Scientific	_{ு ்} .தி2 _{த் நக}	N/A	(a.d.)	S3ST001H005		1977	Removed	No,
Size 100-6 Snubber	Basic-PSA Inc	43.072	N/A	."	RSO-0729-07		:2007	Installed	No
Programme Commencer	olismo e Sumo e No o posto a so Outro ar da saci Soco a Silvento e	of Norshie Age Little Rittell, bill File David Co	eriku to le ustora (1900) se st. di go	iemig Ospe	ing Single Sign	-		nubber.	
							:	· .	
	e e en entre en	P. Tribling any patrick published and a second		nar w		***************************************			
3. Tests Conducted:								mpt: Oti	ner: <u>X</u>
	Pressure: N	N/Apsi	Test	Temp	: <u>N/A</u>	°]	<u>ने</u>		

9. **Remarks:** The replacement mechanical snubber was certified to ASME III, Class 1(NF), 1998 Edition, 2000 addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
Section XI.
Type Code Symbol Stamp: N/A
Certificate of Authorization No: N/A Expiration Date: N/A
The second of th
Signed Signed For Al Meichler Supervising ASME Code Engineer Date: 12/1/08
Owner or Owner's Designee, Title
the state of the s
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of California, and employed by HSB-CT of Hartford, CT have inspected the components described in
this Owner's Report during the period 11/11/08 to 11/12/08, 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 employe 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 CA 2693 California
Inspector's Signature (National Board, State, Province, and Endorsements)
Data 1/14/2006

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record of the property.

As Required by the Provisions of the ASME Code Section XI (1)

Auuress: 2244	Walnist Cannon Area	on Company	: A. 0.1.770 :	Date: 12/01/08		S	heet 1 of
	Walnut Grove Ave	News Lynnah		Unit: 3	in state of a direction of	et it dag i sa e at maga pi i saagaan n	
	fre Nuclear Genera Box 128, San Clem	ente, CA 92672-0		Repair/Replacer		ı: GEN-250 Re	v.]
	ed by: Southern Ca Walnut Grove Ave		mpany	WO: 800189685			
	f System: Main Ste	,		Type Code Symb Authorization N Expiration Date:	0:	p: N/A N/A N/A	•*
5. (a) Applicable	e Construction Co	de: ASME Section	III, Class 2-	NF, 1974 Edition, S. '74	addenda	Nigeria († 1904) L	, ,
(b) Applicable	Edition of Section	n XI Utilized for I	Repair/Repl	acement Activity: 1995	Edition;	1996 Addenda	4 4
6. Identification of	Components:	den te en en en			2 V		
Name of Component	Name of Manufacturer	Manufacturer. Serial No.	National Board	Other Identification	Year Built	Removed, or Installed	ASMI Code Stampe Yes/N
Size 100-6 Snubber	Pacific Scientific	521	N/A	S3ST001H002	1977	Removed	No
Size 100-6 Snubber		2444	N/A	RSO-2503-05	'N/A	lnstalled	No
Load Pin (2)	Basic-PSA	Heat # 42218 Heat Code N4056	N/A	RSO-0251-08	N/A	lnstalled	Йoʻ
nd was replaced in-	kind as a corrective	maintenance actio		ocation S3.SBCS.S3ST(
	Illation of replacement			e in a constant of the constan	. A V1-3	examination w	as .
				pins were also replaced	7 (1-3)	examination w	as .
	LEGINEL LANGE	<u> </u>	an et il ja Linguage Standard	pms were also replaced			as
	LEGINEL LANGE	<u> </u>	an et il ja Linguage Standard				as
	LEGINEL LANGE	<u> </u>	an et il ja Linguage Standard				as
	LEGINEL LANGE	<u> </u>	an et il ja Linguage Standard				as
	. B. G. M	S. S. A. N. S.	en e				
	. B. G. M	Pneumatic:	Nominal	Operating Pressure:_			

NOTE:

9. Remarks: The replacem reconciliation 026-03.	nent load pins were certified to ASME III,	· ·	000 addenda, reference report of
e il e partir de la	(Applicable Manufacturer's Dat		
1 (g + 25 g 2	(Applicable Mahinacturer's Date	a reports to be attached)	· (· · · ·)
		18 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	

CERTIFICATE OF COMPLIANCE

I certify that the	statements	made in t	he report are	correct and	l this conforms	to the requir	ements of the	ASME Code,
Section XI.				-				

Type Code Symbol Stamp: N/A.

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

Al Meichler Supervising ASME Code Engineer Date: 12/1

CERTIFICATE OF INSERVICE INSPECTION
the control of the co
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 HSB-CT of Hartford, CT have inspected the components described in
this Owner's Report during the period
to 12-7-0 to 12-7-0 the 12-7-0 th
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.
The state of the s
VATZ (NG Commissions CA20930000 California California CA209300000000000000000000000000000000000
Inspector's Signature (National Board, State, Province, and Endorsements)
The state of the s
Date 1/20/2009
and the contract of the contra

[17] F. Baratta Karala J. Janes, American Dec. 19, 1887 (1997).

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4O4 ===========	UVI INIS-2 ()			R REPAIR/REPLACEN		CHYIIY	======
1. Owner: Southe		lison Company Avenue, Rosemead,	ĈÃ 9Ĩ770	Date: 12/22/2008		* ************************************	Sheet 1 of
	•		1:23	and the second s			•
2. Plant: San Ono. Address: P.O. I		erating Station emente, CA 92672	-0128	Repair/Replacen	nent Pian:	010-08, Rev	0
3. Work Performe Address: One En				WO : 800194220			The state of the s
	,	,		Type Code Symb		. N/A	+1
4. Identification of	System: Reacto	or Coolant System		Authorization No		N/A	
		£*.	1 15281 13	Expiration Date:		:N/A	·
6. Identification of	Components:	and the second of the second o				Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Removed, or Installed	Code Stamped Yes/No
Reactor Closure Head	Combustion Engineering	72170	, 22001	S31101MV001A	1977	77.	Yes
CEDM Penetration #64					· ½.	Corrected	.
Description of Wo	orki, sografija Grafija sografija	rania is dispersional	er sylved S	in de la companya de La companya de la co			
014) which revealed a Refueling interval surf	n unacceptable i face examination	ndication. The ovens were a condition	rlay weld i	I repair on CEDM #64 (reference the pair was performed in October request approval. After initial in conjunction with removal.	er 2004 pe ial surface	er Relief Requ treatment on	uest ISI-3-8 work order
Limited and the Classe of	ha avaquation a	avity was DT avami	and maior 6	o welding and found to meet	occeptopee	standards of	NTD 5252

R eliminated the flaw. The excavation cavity was PT examined prior to welding and found to meet acceptance standards of NB-5352. The excavation cavity was then weld repaired using INCONEL 52 weld wire (Heat No NX6321JK) to restore the cavity to the initial before excavation weld deposit thickness. An additional PT examination of the final repair weld surface was performed and also found to meet acceptance standards of NB-5352.

The excavation and weld repair were performed in accordance with PCI project instruction PI-901115-03 and the SONGS ASME XI Repair/Replacement Program.

8.	Tests Conducted:	Hydrostatic:	Pneumatic:	Nominal Operating Pressu	re: <u>X</u>	Exempt:	Other:
		See: SO23-XVII-3	3.1.1, performed 12	2/1/2008 Pressure: 2250	_psia Te	est Temp: 280	°F min.
	,						

^	n ı	* *
9.	Remarks:	None.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: Roger Holmes for AB Meichler Supervising ASME Code Engineer Date: 12/22/2008

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE 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>HSB-CT</u> of <u>Hartford</u>, <u>CT</u> have inspected the components described in this Owner's Report during the period <u>11/12/08</u> to 12/17/08, 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.

	MAZMA	Commissions	CA7693	California	
	Inspector's Signature	(Nation	nal Board, State, Provinc	ce, and Endorsements)	
Date	1/27/7009			,	