

March 9, 2007

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

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 29, 2004 through December 12, 2006, the date Unit 3 returned to service following its Cycle 14 refueling outage.

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

Sincerely,



Enclosure: Inservice Inspection Summary Report

Document Control Desk
San Onofre Nuclear Generating Station
Unit 3

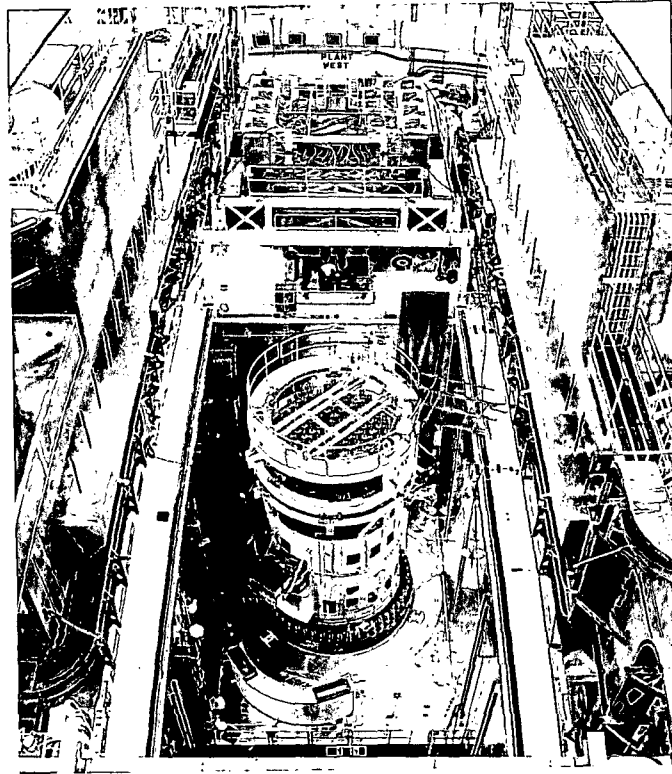
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March 9, 2007
Owner's Report of ISI

cc: B.S. Mallett, Regional Administrator, NRC Region IV
D. D. Chamberlain, Director, Division of Reactor Safety, NRC Region IV
N. Kalyanam, NRC Project Manager, San Onofre Units 2 and 3
C. C. Osterholtz, 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: Dabbiru 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, 1st PERIOD
REFUELING OUTAGE-14**

**INSERVICE INSPECTION
SUMMARY REPORT**

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1 SUMMARY REPORT

Date of Document Completion.....March 2, 2007

Name & Address of Plant:

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

Number Designation of the Unit.....Unit 3

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

Interval.....Third Ten Year ISI Interval

Period.....First Period

Refueling Outage Number.....14

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

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FORM NIS-1 (back)

- 8. Examination Date: December 29, 2004 to December 12, 2006
- 9. Inspection Period Identification: X 1st Period 2nd Period 3rd Period
- 10. Inspection Interval Identification: 1st 10-Yr 2nd 10-Yr X 3rd 10-Yr 4th 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 & Tests.....See 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

Date: 3/5/07 Signed: Southern California Edison By: Tom R. Jackels
(Owner) Manager, Maintenance 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 29, 2004 to December 12, 2006 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.

Edward Gaston
Inspector's Signature

Commissions CA 1574 N & I
NB, State, Province or Endorsements

Date: 3/5/07

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 first 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

Visual VT-1 examination of side plate bolting of the valve S31204MU043, ISI ID 03-020-010C dry boric acid residue was found on bolting. Action Request (AR) 061001144 was generated to implement corrective measures. Adjacent valve boltings, i) valve S31204MU033, ISI ID 03-020-240C, ii) valve S31204MU075, ISI ID 03-020-540C, iii) valve S31201MU021, ISI ID 03-020-650C were visual VT-1 examined and found no boric acid residue. Boric acid on valve S31204MU043 bolting was cleaned and VT-1 examination was performed with no recordable indications. Maintenance order 06101501000 verified valve torque value to design specification. Visual VT-2 examination was performed on valve S31204MU043 on 12/7/06 as part of procedure SO23-XVII-3.1.1 and found no leakage and no boric acid residue.

Structural weld overlay repair (WOL) was performed on Pressurizer safety nozzle and spray safe end dissimilar metal welds to mitigate potential primary water stress corrosion cracking (PWSCC). After WOL repair, ultrasonic (UT) examination was performed with acceptable results. It should be noted that UT examination was performed on Pressurizer safety nozzle and spray safe end dissimilar metal welds before WOL application and found no flaw indications. WOL was performed in accordance with relief request ISI-3-24.

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

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

Subsection	Category	Examinations Required, See Note-1	Period-1, See Note-2	Period-2, See Note-2	Period-3, See Note-2	Number of examinations completed during U3C14	Percentage of examinations completed for the 1st Period(U3C13 & U3C14) of the 3rd Interval, See Note-3	
IWB	B-A	27	3	2	22	1	11%	
	B-B	8	3	2	3	3	37%	
	B-D	34	12	10	12	12	35%	
	B-F/B-J	92	30	35	35	33	36%	
	B-G-1	248	86	54	108	54	35%	
	B-G-2	177	57	62	58	101	57%	
	B-K	12	4	3	5	4	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	3	37%	
	B-M-2	See Note-4	N/A	N/A	N/A	N/A	N/A	
	B-N-1	3	1	1	1	1	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 refueling outage prior to plant startup					100%	N/A
B-Q	Governed by the plant Technical Specification							
IWC	C-A	20	7	6	7	0	35%	
	C-B	8	2	2	4	2	25%	
	C-C	48	16	15	17	0	35.0%	
	C-F-1	140	48	46	46	0	39%	
	C-F-2	28	10	9	9	0	43%	
	C-G	5	1	2	2	0	20%	
	C-H	Each inspection period						100%
	IWD	D-A	50	19	16	15	0	46%
D-B		Each inspection period						100%
IWF	F-A	270	88	91	91	12	35%	
IWE	E-A	Containment Surfaces	General Visual	General Visual	Visual VT-3	0	66%, See note-5	
	E-C	6	2	2	2	0	66%, See note-5	
	E-D	3	1	1	1	0	66%, See note-5	
	E-G	99	0	0	99	0	0%, See note-5	
IWL	L-A	Once in every ten years				0	100%, See note-5	
	L-B	Once in every five years				0	50%, See note-5	
Augmented ISI for the Reactor coolant pump flywheels and high energy piping								
	Flywheels	4	0	0	4	0	0%	
	High energy piping welds	178	60	59	59	0	33%	
Notes : 1) Required Examinations subject to change based on								
a) Plant Modification								
b) Periodic update of Regulatory Guide 1.147, Inservice Inspection Code Case Acceptability								

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

ASME Section XI, Division 1					
c) Periodic update of 10CFR 50.55a Codes and Standards					
d) Approval or disapproval of relief requests submitted to the NRC in accordance with 10CFR 50.55a					
2) Number of examinations scheduled for a period may change due to					
a) Component accessibility because of high radiation or contamination					
b) Based on Note-1					
3) Subject to change based on Note-1					
4) Examination is required only when a pump or valve is disassembled for maintenance, repair or volumetric examination					
5) The initial 120 months (1st interval) for containment ISI for Subsections IWE and IWL begun on September 9, 1998, and scheduled to end on September 8, 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 (7 Pages)**

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

DESIGNATION NUMBER	COMPONENT EXAMINED OR TESTED	CODE CLASS	CODE CATEGORY	ITEM NUMBER	EXAMINATION OR TEST METHOD		
					VOLUMETRIC EXAM	SURFACE EXAM	VISUAL EXAM
03-001-057-01	REACTOR VESSEL CLOSURE NUT #1	1	BG1	B6.10			VT-1
03-001-057-02	REACTOR VESSEL CLOSURE NUT #2	1	BG1	B6.10			VT-1
03-001-057-03	REACTOR VESSEL CLOSURE NUT #3	1	BG1	B6.10			VT-1
03-001-057-04	REACTOR VESSEL CLOSURE NUT #4	1	BG1	B6.10			VT-1
03-001-057-05	REACTOR VESSEL CLOSURE NUT #5	1	BG1	B6.10			VT-1
03-001-057-06	REACTOR VESSEL CLOSURE NUT #6	1	BG1	B6.10			VT-1
03-001-057-07	REACTOR VESSEL CLOSURE NUT #7	1	BG1	B6.10			VT-1
03-001-057-08	REACTOR VESSEL CLOSURE NUT #8	1	BG1	B6.10			VT-1
03-001-057-09	REACTOR VESSEL CLOSURE NUT #9	1	BG1	B6.10			VT-1
03-001-057-10	REACTOR VESSEL CLOSURE NUT #10	1	BG1	B6.10			VT-1
03-001-057-11	REACTOR VESSEL CLOSURE NUT #11	1	BG1	B6.10			VT-1
03-001-057-12	REACTOR VESSEL CLOSURE NUT #12	1	BG1	B6.10			VT-1
03-001-057-13	REACTOR VESSEL CLOSURE NUT #13	1	BG1	B6.10			VT-1
03-001-057-14	REACTOR VESSEL CLOSURE NUT #14	1	BG1	B6.10			VT-1
03-001-057-15	REACTOR VESSEL CLOSURE NUT #15	1	BG1	B6.10			VT-1
03-001-057-16	REACTOR VESSEL CLOSURE NUT #16	1	BG1	B6.10			VT-1
03-001-057-17	REACTOR VESSEL CLOSURE NUT #17	1	BG1	B6.10			VT-1
03-001-057-18	REACTOR VESSEL CLOSURE NUT #18	1	BG1	B6.10			VT-1
03-001-057-19	REACTOR VESSEL CLOSURE NUT #19	1	BG1	B6.10			VT-1
03-001-057-20	REACTOR VESSEL CLOSURE NUT #20	1	BG1	B6.10			VT-1
03-001-057-21	REACTOR VESSEL CLOSURE NUT #21	1	BG1	B6.10			VT-1
03-001-057-22	REACTOR VESSEL CLOSURE NUT #22	1	BG1	B6.10			VT-1
03-001-057-23	REACTOR VESSEL CLOSURE NUT #23	1	BG1	B6.10			VT-1
03-001-057-24	REACTOR VESSEL CLOSURE NUT #24	1	BG1	B6.10			VT-1
03-001-057-25	REACTOR VESSEL CLOSURE NUT #25	1	BG1	B6.10			VT-1
03-001-057-26	REACTOR VESSEL CLOSURE NUT #26	1	BG1	B6.10			VT-1
03-001-057-27	REACTOR VESSEL CLOSURE NUT #27	1	BG1	B6.10			VT-1
03-001-057-28	REACTOR VESSEL CLOSURE NUT #28	1	BG1	B6.10			VT-1
03-001-057-29	REACTOR VESSEL CLOSURE NUT #29	1	BG1	B6.10			VT-1
03-001-057-30	REACTOR VESSEL CLOSURE NUT #30	1	BG1	B6.10			VT-1
03-001-057-31	REACTOR VESSEL CLOSURE NUT #31	1	BG1	B6.10			VT-1
03-001-057-32	REACTOR VESSEL CLOSURE NUT #32	1	BG1	B6.10			VT-1

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-001-057-33	REACTOR VESSEL CLOSURE NUT #33	1	BG1	B6.10			VT-1
03-001-057-34	REACTOR VESSEL CLOSURE NUT #34	1	BG1	B6.10			VT-1
03-001-057-35	REACTOR VESSEL CLOSURE NUT #35	1	BG1	B6.10			VT-1
03-001-057-36	REACTOR VESSEL CLOSURE NUT #36	1	BG1	B6.10			VT-1
03-001-057-37	REACTOR VESSEL CLOSURE NUT #37	1	BG1	B6.10			VT-1
03-001-057-38	REACTOR VESSEL CLOSURE NUT #38	1	BG1	B6.10			VT-1
03-001-057-39	REACTOR VESSEL CLOSURE NUT #39	1	BG1	B6.10			VT-1
03-001-057-40	REACTOR VESSEL CLOSURE NUT #40	1	BG1	B6.10			VT-1
03-001-057-41	REACTOR VESSEL CLOSURE NUT #41	1	BG1	B6.10			VT-1
03-001-057-42	REACTOR VESSEL CLOSURE NUT #42	1	BG1	B6.10			VT-1
03-001-057-43	REACTOR VESSEL CLOSURE NUT #43	1	BG1	B6.10			VT-1
03-001-057-44	REACTOR VESSEL CLOSURE NUT #44	1	BG1	B6.10			VT-1
03-001-057-45	REACTOR VESSEL CLOSURE NUT #45	1	BG1	B6.10			VT-1
03-001-057-46	REACTOR VESSEL CLOSURE NUT #46	1	BG1	B6.10			VT-1
03-001-057-47	REACTOR VESSEL CLOSURE NUT #47	1	BG1	B6.10			VT-1
03-001-057-48	REACTOR VESSEL CLOSURE NUT #48	1	BG1	B6.10			VT-1
03-001-057-49	REACTOR VESSEL CLOSURE NUT #49	1	BG1	B6.10			VT-1
03-001-057-50	REACTOR VESSEL CLOSURE NUT #50	1	BG1	B6.10			VT-1
03-001-057-51	REACTOR VESSEL CLOSURE NUT #51	1	BG1	B6.10			VT-1
03-001-057-52	REACTOR VESSEL CLOSURE NUT #52	1	BG1	B6.10			VT-1
03-001-057-53	REACTOR VESSEL CLOSURE NUT #53	1	BG1	B6.10			VT-1
03-001-057-54	REACTOR VESSEL CLOSURE NUT #54	1	BG1	B6.10			VT-1
03-001-080	AREAS ABOVE AND BELOW REACTOR CORE	1	BN1	B13.10			VT-3
03-002-001	REACTOR CLOSURE HEAD FLANGE-TO-TORUS WELD	1	B-A	B1.40		MT	
03-002-001	REACTOR CLOSURE HEAD FLANGE-TO-TORUS WELD	1	B-A	B1.40	UT		
03-004-028-15	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-16	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-17	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-18	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-19	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-20	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-08	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-09	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-10	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-11	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-004-028-12	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-13	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-14	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-17	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-18	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-19	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-20	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-01	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-02	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-03	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-04	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-05	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-06	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-028-07	PRIMARY MANWAY NUT @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-13	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-14	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-15	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-16	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-01	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-02	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-03	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-04	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-05	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-06	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-07	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-08	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-09	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-10	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-11	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-027-12	PRIMARY MANWAY STUD @ 0 DEGREES	1	BG2	B7.30			VT-1
03-004-009	PRIMARY EXTENSION RING-TO-TUBE SHEET WELD	1	B-B	B2.40	UT		
03-004-010	INLET NOZZLE-TO-HEAD WELD	1	B-D	B3.130	UT		
03-004-011	OUTLET NOZZLE-TO-HEAD WELD @ 45 DEGREES	1	B-D	B3.130	UT		
03-005-001	SUPPORT SKIRT-TO-BOTTOM HEAD WELD	1	B-K	B10.10	UT	MT	
03-005-037-01	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-005-037-02	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-03	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-04	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-05	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-06	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-07	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-08	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-09	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-10	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-11	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-12	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-13	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-14	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-15	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-16	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-17	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-18	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-19	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-037-20	PRIMARY MANWAY BOLTING (NUT)	1	BG2	B7.20			VT-1
03-005-027	SAFETY NOZZLE-TO-SAFE END WELD @ 45 DEGREES	1	B-F	B5.40	UT		
03-005-028	SAFETY NOZZLE-TO-SAFE END WELD @ 225 DEGREES	1	B-F	B5.40	UT		
03-005-029	SAFETY NOZZLE-TO-SAFE END WELD @ 315 DEGREES	1	B-F	B5.40	UT		
03-005-030	SPRAY NOZZLE-TO-SAFE END WELD	1	B-F	B5.40	UT		
03-005-031	SURGE NOZZLE-TO-SAFE END WELD	1	B-F	B5.40	UT		
03-005-019-04	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-05	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-06	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-07	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-08	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-09	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-10	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-11	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-12	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-13	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-14	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-005-019-15	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-16	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-17	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-18	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-19	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-20	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-01	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-02	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-019-03	PRIMARY MANWAY BOLTING (STUD)	1	BG2	B7.20			VT-1
03-005-002	BOTTOM HEAD-TO-LOWER SHELL GIRTH WELD	1	B-B	B2.11	UT		
03-005-003	LOWER SHELL LONGITUDINAL WELD @ 90 DEGREES	1	B-B	B2.12	UT		
03-005-009	SURGE NOZZLE-TO-BOTTOM HEAD WELD	1	B-D	B3.110	UT		
03-005-010	SPRAY NOZZLE-TO-TOP HEAD WELD	1	B-D	B3.110	UT		
03-005-011	SAFETY NOZZLE-TO-TOP HEAD WELD @ 45 DEGREES	1	B-D	B3.110	UT		
03-005-012	SAFETY NOZZLE-TO-TOP HEAD WELD @ 225 DEGREES	1	B-D	B3.110	UT		
03-005-013	SAFETY NOZZLE-TO-TOP HEAD WELD @ 315 DEGREES	1	B-D	B3.110	UT		
03-005-014	SURGE NOZZLE INNER RADIUS	1	B-D	B3.120	UT		
03-005-015	SPRAY NOZZLE INNER RADIUS	1	B-D	B3.120	UT		
03-005-016	SAFETY NOZZLE INNER RADIUS @ 45 DEGREES	1	B-D	B3.120	UT		
03-005-017	SAFETY NOZZLE INNER RADIUS @ 225 DEGREES	1	B-D	B3.120	UT		
03-005-018	SAFETY NOZZLE INNER RADIUS @ 315 DEGREES	1	B-D	B3.120	UT		
03-007-001	STEAM GENERATOR #2 INLET NOZZLE EXTENSION PIECE-TO-ELBOW WELD	1	B-J	B9.11	UT		
03-016-021	SNUBBER	1	F-A	F1.10C			VT-3
03-016-013	12" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.11	UT		
03-016-001	12" SCH 160 NOZZLE-TO-PIPE	1	B-J	B9.11	UT		
03-016-004	12" SCH 160 PIPE-TO-ELBOW	1	B-J	B9.11	UT		
03-017-750	GUIDE W/INTEGRALLY WELDED LUGS	1	B-K	B10.20		PT	
03-017-440	8" SCH 140 8" X 8" X 4" REDUCING TEE-TO-PIPE	1	B-J	B9.11	UT		
03-017-460	8" SCH 140 PIPE-TO-VALVE	1	B-J	B9.11	UT		
03-017-290C	SIDE PLATE BOLTING (STUDS & NUTS) (DRAWING SO23-408-1-6-46)	1	BG2	B7.70			VT-1
03-017-750	GUIDE	1	F-A	F1.10B			VT-3
03-018-640	Y-STOP W/INTEGRALLY WELDED LUGS	1	B-K	B10.20		PT	
03-018-640	Y-STOP	1	F-A	F1.10A			VT-3
03-018-520	3" SCH 160 PIPE-TO-VALVE	1	B-J	B9.21	UT		

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-019-510D	12" STOP VALVE LOWER BODY WELD (DRAWING NO. SO23-507-5-1-22)	1	BM1	B12.40		PT	
03-019-510E	12" STOP VALVE BODY UPPER WELD (DRAWING NO. SO23-507-5-1-22)	1	BM1	B12.40		PT	
03-019-810	12" SCH 160 PIPE-TO-NOZZLE	1	B-J	B9.11	UT		
03-019-120C	SIDE PLATE BOLTING (STUDS & NUTS) (DRAWING NO. SO23-408-1-6-47)	1	BG2	B7.70			VT-1
03-020-010C	SIDE PLATE BOLTING (DRAWING NO. SO23-408-1-6-46)	1	BG2	B7.70			VT-1
03-020-700	GUIDE & Y-STOP W/INTEGRALLY WELDED LUGS	1	B-K	B10.20		PT	
03-020-680	STRUT (SNUBBER REPLACED PER DCP 3-6683.05SP)	1	F-A	F1.10A			VT-3
03-020-700	GUIDE & Y-STOP	1	F-A	F1.10B			VT-3
03-020-720	GUIDE & Y-STOP	1	F-A	F1.10B			VT-3
03-020-730	Y-STOP	1	F-A	F1.10A			VT-3
03-020-540C	SIDE PLATE BOLTING (STUDS & NUTS) (DRAWING NO. SO23-408-1-6-47)	1	BG2	B7.70			VT-1
03-020-650C	3" CHECK VALVE SIDE PLATE BOLTING (DRAWING NO. SO23-408-1-6-45)	1	BG2	B7.70			VT-1
03-020-240C	SIDE PLATE BOLTING (STUDS & NUTS) (DRAWING NO. SO23-408-1-6-46)	1	BG2	B7.70			VT-1
03-020-310	12" SCH 160 PIPE-TO-NOZZLE SAFE END	1	B-J	B9.11	UT		
03-021-310C	16" STOP VALVE LOWER BODY WELD (DRAWING NO. SO23-507-5-1-37)	1	BM1	B12.40		PT	
03-021-620	Y-STOP	1	F-A	F1.10A			VT-3
03-021-400	10" SCH 140 ELBOW-TO-PIPE	1	B-J	B9.11	UT		
03-021-110	18" SCH 160 PIPE-TO-ELBOW	1	B-J	B9.11	UT		
03-021-020	16" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.11	UT		
03-022-030	3" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.21	UT		
03-023-170	4" SCH 120 PIPE-TO-TEE	1	B-J	B9.11	UT		
03-023-100	3" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.21	UT		
03-023-176	4" SCH 120 PIPE-TO-ELBOW	1	B-J	B9.11	UT		
03-023-180	VARIABLE SPRING	1	F-A	F1.10C			VT-3
03-023-161	4" SCH 120 ELBOW-TO-PIPE	1	B-J	B9.11	UT		
03-024-530	4" SCH 120 PIPE BEND-TO-SAFE END WELD	1	B-J	B9.11	UT		
03-024-460	4" SCH 120 PIPE-TO-ELBOW	1	B-J	B9.11	UT		
03-024-470	4" SCH 120 ELBOW-TO-PIPE	1	B-J	B9.11	UT		
03-025-130	6" SCH 160 NOZZLE-TO-PIPE @ 315 DEGREES	1	B-J	B9.11	UT		
03-025-010	6" SCH 160 NOZZLE-TO-ELBOW @ 315 DEGREES	1	B-J	B9.11	UT		
03-025-110	6" SCH 160 PIPE-TO-FLANGE	1	B-J	B9.11	UT		
03-026-890	2" CHECK VALVE-TO 2" SCH 160 PIPE	1	B-J	B9.21	UT		
03-026-850	2" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.21	UT		
03-027-140	GUIDE	1	F-A	F1.10B			VT-3
03-027-020	2" SCH 160 PIPE-TO-VALVE	1	B-J	B9.21	UT		

LIST OF ISI EXAMINATIONS AND TESTS COMPLETED DURING U3C14

03-030-060	REDUCER-TO-3" SCH 160 PIPE	1	B-J	B9.21	UT		
03-030-160	VARIABLE SPRING	1	F-A	F1.10C			VT-3
03-032-380	Y-STOP	1	F-A	F1.10A			VT-3
03-038-088	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-089	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-090	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-091	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-092	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-093	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-094	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-095	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-080	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-081	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-082	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-083	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-084	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-085	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-086	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-038-087	HEAT EXCHANGER-TO-DRIVER MOUNT STUD (DWG. NO. SO23-922-157)	1	BG2	B7.60			VT-1
03-039-430	3" SCH 160 ELBOW-TO-PIPE	1	B-J	B9.21	UT		
03-073-2160	8" SCH 140 PIPE-TO-VALVE	2	CF1	C5.11	UT		
03-075-520	REINFORCING RING TO SHELL WELD	2	C-B	C2.31		MT	
03-075-510	REINFORCING RING-TO-NOZZLE WELD	2	C-B	C2.31		PT	
SYSTEM LEAKAGE TEST COMPLETED							
PROCEDURE	SYSTEM	CLASS	CATEGORY	TEST			
SO23-XVII-3.1.1	REACTOR COOLANT	1	B-P	VT-2			
SO23-XVII-3.2.1	CHEMICAL AND VOLUME CONTROL	2	C-H	VT-2			
CODE CASES APPLICABLE TO THIRD TEN-YEAR ISI INTERVAL 1) N-460 2) N-481 3) N-498-1 4) N-504-2 5) N-522 6) N-598 7) N-638-1							

5 ATTACHMENT- 3

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

Abstract of Records of Repairs and Replacements

MO	Lead Equipment ID	Class	NIS-2	Work Summary
1	03042457001 S31208MU007	III-2	2/16/2006	Replaced/machined valve discs
2	03070756000 S31204MU072	III-1	2/28/2007	Replaced check valve
3	03070757000 S31204MU074	III-1	2/28/2007	Replaced check valve
4	03080842001 S31204MP016	III-2	1/5/2006	Installed new flange studs
5	04041121000 026-44409-N60061-00-0002-IST	III-2	10/23/2006	Replaced adjusting bolt on L-Top valve
6	04050442000 S31208MW219	III-2	2/9/2007	Replaced pulsation dampener
7	04051407000 3PV0201B	III-2	2/16/2006	Replaced valve spindle
8	04051408000 3LV0110B	III-2	1/18/2007	Replaced valve spindle
9	04101358001 S31208MU007	III-2	2/16/2006	Machined valve discs
10	05010920000 S31204MU074	III-1	2/28/2007	Performed VT-1 inspection on cover fasteners
11	05020935000 S31301ME088	III-2	2/26/2007	Replaced SG handhole cover bolting
12	05021269000 3PSV9349	III-2	2/5/2007	Replaced L-Top relief valve
13	05030306000 3HV4054	III-2	2/5/2007	Replaced primary and pilot plugs
14	05031199000 S31208MW220	III-2	10/23/2006	Replaced pulsation dampener
15	05031413000 3HV9303	III-2	3/1/2007	Replaced retaining ring and flange bolting
16	05050707000 3HV9921	III-2	2/5/2007	Replaced retaining ring and flange bolting
17	05050709000 3HV9920	III-2	2/7/2007	Replaced retaining ring and flange bolting
18	05050721000 S31204MU072	III-1	3/1/2007	Replaced valve and piping
19	05051985000 3HV9362	III-2	3/1/2007	Replaced valve plug
20	05061474000 3FE0338	III-2	2/5/2007	Replaced flange fasteners
21	05070389000 S31208MU017	III-2	2/16/2006	Replaced check valve
22	05080728001 3HV9322	III-2	1/19/2007	Removed/rewelded seal weld
23	05100856000 3PSV0200	III-1	3/1/2007	Replaced safety valve and inlet bolting
24	05100878000 3PSV8401	III-2	2/26/2007	Replaced safety valve and inlet bolting
25	05100931000 3PSV0201	III-1	2/5/2007	Replaced safety valve and inlet bolting
26	05100979000 3PV0100A	III-1	*	Replaced upper bellows bonnet assembly
27	05100992000 3PSV8404	III-2	2/9/2007	Replaced safety valve and inlet bolting
28	05100993000 3PV0100B	III-1	*	Replaced upper bellows bonnet assembly
29	05101004000 3PSV8405	III-2	2/26/2007	Replaced safety valve and inlet bolting
30	05101066000 3PSV8412	III-2	2/26/2007	Replaced safety valve and inlet bolting
31	05101072000 3PSV8413	III-2	2/26/2007	Replaced safety valve and inlet bolting
32	05101100000 3PSV8418	III-2	2/26/2007	Replaced safety valve and inlet bolting
33	06030522000 S31201ME087	III-1	3/1/2007	Machined vent holes in pressurizer skirt
34	06030782000 S31201ME087	III-1	12/20/2006	Performed half nozzle repairs

Abstract of Records of Repairs and Replacements

MO	Lead Equipment ID	Class	NIS-2	Work Summary	
35	06040060000	S31201ME087	III-1	3/1/2007	Removed MNSA clamps on lower level instr. Nozzles
36	06040063000	S31201ME087	III-1	3/1/2007	Removed nozzle inserts and machined
37	06040066000	S31201ME087	III-1	12/20/2006	Performed half nozzle repairs
38	06040131000	S31201ME087	III-1	3/1/2007	Fabricated pzt thermowells
39	06040216000	S31201ME087	III-1	3/1/2007	Fabricated pzt lower level instrument nozzles
40	06040220000	S31201ME087	III-1	3/1/2007	Fabricated pzt temperature nozzle
41	06040234000	S31201ME087	III-1	3/1/2007	Fabricated pzt lower level instrument nozzle
42	06040307001	S31201ME087	III-1	3/1/2007	Fabricated pzt thermowells
43	06040316000	S31201ME087	III-1	3/1/2007	Fabricated pzt lower level instrument nozzle
44	06040317000	S31201ME087	III-1	3/1/2007	Fabricated pzt temperature nozzle
45	06040518000	S31305MU124	III-2	3/1/2007	Replaced poppet
46	06040520000	S31305MU448	III-2	3/1/2007	Replaced poppet
47	06040640000	S31201ME628	III-1	12/20/2006	Replaced pressurizer heaters
48	06040817000	S31201ME087	III-1	3/1/2007	Repaired gouged area on reinforcement pad
49	06041131000	S31201ME610	III-1	12/18/2006	Fabricated pressurizer heater sleeve cap
50	06050712000	S31101MV001A	III-1	3/1/2007	Replaced incore instrumentation adapter hubs
51	06050955000	S31208MW220	III-2	10/23/2006	Fabricated pulsation dampener pipe spool
52	06050956000	S31208MW219	III-2	2/9/2007	Fabricated pulsation dampener pipe spool
53	06051260000	S31204MU019	III-1	2/26/2007	Replaced check valve
54	06051264000	3PSV9220	III-2	1/18/2007	Replaced relief valve
55	06051287001	S31204MU003	III-2	3/1/2007	Replaced flange bolting
56	06051653000	S31204MU072	III-1	3/1/2007	Prefabricated new pipe spool assembly with valve
57	06060054000	S31208MU067	III-2	1/18/2007	Removed and reinstalled body to bonnet seal weld
58	06061703000	S31201ME087	III-1	3/1/2007	Pressurizer weld overlay repair
59	06061729000	S31201ME087	III-1	3/1/2007	Pressurizer weld overlay repair
60	06070852000	3HV9325	III-2	2/9/2007	Removed/rewelded seal weld
61	06081298000	S31206MR079	III-2	2/16/2007	Added reinforcing plates at drain & vent valves
62	06081299000	S31204MR271	III-2	2/16/2007	Added reinforcing plates at drain & vent valves
63	06081305000	S31204MR258	III-2	2/16/2007	Added reinforcing plates at drain & vent valves
64	06081307000	S31204MR368	III-2	2/16/2007	Added reinforcing plate to line at vent valve
65	06081308000	S31206MR021	III-2	2/15/2007	Added reinforcing plate to line at vent valve
66	06090544000	S31204MR371	III-2	2/20/2007	Added reinforcing plate to line at vent valve
67	06090545000	S31206MR017	III-2	2/16/2007	Added reinforcing plate to line at drain valve
68	06090546000	S31206MR001	III-2	2/16/2007	Added reinforcing plate to line at vent valve

Abstract of Records of Repairs and Replacements

MO	Lead Equipment ID	Class	NIS-2	Work Summary	
69	06090550000	S31201MR031	III-2	2/16/2007	Added reinforcing plate to line at drain valve
70	06100917000	S3ST580H002	III-2	2/26/2007	Replaced snubber
71	06101369000	S31204MU068	III-2	2/27/2007	Replaced valve internals
72	06101879000	S3ST002H002	III-2	2/26/2007	Replaced snubber
73	06101917000	S31201ML015	III-1	3/1/2007	Pressurizer weld overlay repair
74	06110085000	S31201ML015	III-1	3/1/2007	Pressurizer weld overlay repair
75	06110320000	S31204MU007	III-2	2/5/2007	Machined valve bonnet
76	06110351000	S31204ML039	III-2	3/1/2007	Relocated code nameplate
77	06110607000	S31204MR456	III-2	2/27/2007	Repaired gouged piping weld
78	06110646000	S31104CEDM	III-1	2/27/2007	Replaced vent stem for CEDM #79
79	06110721000	3HV9325	III-2	2/9/2007	Weld repaired damaged areas on body and bonnet
80	06110722000	3HV9322	III-2	1/19/2007	Weld repaired damaged areas on body & bonnet
81	06110777000	S31104CEDM	III-1	2/27/2007	Replaced ball seal housing nut
82	06110845000	3HV9322	III-2	1/19/2007	Machined disc seating surface
83	06110846000	3HV9325	III-2	2/9/2007	Machined disc seating surface
84	06110853000	S3ST001H007W	III-2	2/26/2007	Replaced snubber
85	06110918000	3PSV0201	III-1	2/26/2007	Removed surface discontinuities from inlet piping
86	06111028000	S3ST001H025B	III-2	2/26/2007	Replaced snubber
87	06111141000	S3ST002H007W	III-2	2/26/2007	Replaced snubber
88	06111234000	S3ST002H009	III-2	2/26/2007	Replaced snubber

* MO 05100979000 replaced the upper bellows bonnet assembly in valve 3PV0100A. ASME Section XI requires a visual examination (VT-1) of replacement upper bonnet studs but the studs were included in the bonnet assembly and therefore, the VT-1 examination was not performed. Action Request Assignment number 070300045-3 was generated to perform a VT-1 examination at next available outage. SCE confirmed that the affected control valve remains operable.

* MO 05100993000 replaced the upper bellows bonnet assembly in valve 3PV0100B. ASME Section XI requires a visual examination (VT-1) of replacement upper bonnet studs but the studs were included in the bonnet assembly and therefore, the VT-1 examination was not performed. Action Request Assignment number 070300045-3 was generated to perform a VT-1 examination at next available outage). SCE confirmed that the affected control valve remains operable.

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

Date: 01/16/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
DATA-0306,
020701216-5,
020710216-8

3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 03042457001 04101358000,
04101358001

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

4. Identification of System: Chemical and Volume Control

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, Summer 1973 Addenda

(b) Applicable Edition of Section XI Utilized 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
3" 150# Gate Valve	Walworth Aloyco	A1485	718	S31208MU007	1976	Corrected	Yes
Male Valve Disc	Crane Nuclear	D3231	N/A	RSO-2170-04	2004	Corrected and Installed	Yes
Female Valve Disc	Crane Nuclear	D3233	N/A	RSO-2170-04	2004	Corrected and Installed	Yes

7. Description of Work:

Valve in plant position S31208MU007 was disassembled for inspection and it was decided that the male and female discs were to be replaced. Prior to disc replacement, it was determined that the discs would require machining to obtain the proper fit. Both discs were machined and installed and the valve was reassembled.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 040501238-26

Pressure: >=33 psi Test Temp: NOT °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. 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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2-13-06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7-26-2004 to 2-16-2006, 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.

[Signature] Commissions 9024 N, NS, I California 186.2
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb 16, 2006

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

- 1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
2. Manufactured for Edison Material Supply LLC, PO Box 700, Rosemead, CA 91770
3. Location of installation San Onofre Nuclear Generating Station, 14300 Mesa Road, San Clemente, CA 92672
4. Type CA00121, Rev. A, S4351 Gr. CF8M, 70 KSI (Min.), N/A, 2004
5. ASME Code, Section III, Division 1: 1971, Summer 1973, 2, N/A
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A, Revision N/A, Date N/A
7. Remarks: PO No. 6H274035 Item 1, SO No. 24546-01, 3" Male Disc, P/N CA00121, w/Stellite #5 Hardfacing

** No Hydro performed

- 8. Nom. thickness (in.) 0.375, Min. design thickness (in.) N/A, Dia. ID (ft. & in.) 3.75", Length overall (ft. & in.) 1.43"
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Table with 2 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 1-25 and 26-50. Includes entries for D3230 and D3231.

- 10. Design pressure 210 psi, Temp. 300 °F, Hydro. Test pressure ** At temp. °F. (when applicable)

* 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 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

P. 4

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

Certificate Holder's Serial Nos. D3230 Through D3231

CERTIFICATION OF DESIGN

Design specifications certified by Kenneth E. Morgan P.E. State CA Reg. No. QU004963
(when applicable)
Design report * certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Male Disc - P/N CA00121 conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2900 Expires September 24, 2005

Date August 31, 2004 Name CRANE Nuclear, Inc. Signed Jerome A. Kurowski
(NPT Certificate Holder) (Authorized Representative) Jerome A. Kurowski, P.E.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT of Hartford Connecticut have inspected these items described in this Data Report on August 31, 2004, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 08/31/04 Signed Todd Ward Commissions Illinois 1903
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to Exceed One Day's Production

- 1. Manufactured and certified by CRANE Nuclear, Inc., 860 Remington Boulevard, Bolingbrook, IL 60440
2. Manufactured for Edison Material Supply LLC PO Box 700 Rosemead, CA 91770
3. Location of installation San Onofre Nuclear Generating Station 14300 Mesa Road San Clemente, CA 92672
4. Type CA00121, Rev. A SA351 Gr. CF8M 70 KS) (Min.) N/A 2004
5. ASME Code, Section III, Division 1: 1971 Summer 1973 2 N/A
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
7. Remarks: PO No. 6H274035 Item 2 SO No. 24546-02 3" Female Disc, P/N CA00122, w/Stellite #6 Hardfacing

** No Hydro performed

8. Nom. thickness (in.) 0.287 Min. design thickness (in.) N/A Dia. ID (ft. & in.) 3.75" Length overall (ft. & in.) 1.15"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Table with 4 columns: Part or Appurtenance Serial Number, National Board No. In Numerical Order, Part or Appurtenance Serial Number, National Board No. In Numerical Order. Rows 1-25 and 26-50.

10. Design pressure 210 psi. Temp. 300 °F. Hydro. Test pressure ** At temp. °F. (when applicable)

* 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 2 and 3 on this Data Report is included on each sheet. (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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

Certificate Holder's Serial Nos. D3232 Through D3233

CERTIFICATION OF DESIGN

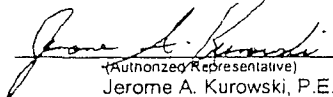
Design specifications certified by Kenneth E. Morgan P.E. State CA Reg. No. QU004963
(when applicable)

Design report * certified by N/A P.E. State N/A Reg. No. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Female Disc - P/N CA00122
 conforms to the rules of construction of the ASME Code, Section III, Division 1.

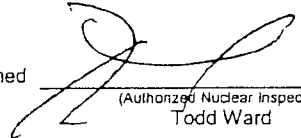
NPT Certificate of Authorization No. N-2900 Expires September 24, 2005

Date August 31, 2004 Name CRANE Nuclear, Inc. Signed 
(NPT Certificate Holder) (Authorized Representative)
 Jerome A. Kurowski, P.E.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSBCT of Hartford Connecticut have inspected these items described in this Data Report on August 31, 2004, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 08/31/04 Signed 
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. Endorsements) and state or prov. and no.)
 Todd Ward Illinois 1903

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
4. Identification of System: Safety Injection and Shutdown Cooling

Date: 01/03/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: 030400450-45

MO/CWO: 03070756000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

5. (a) Applicable Construction Code: (Valve) ASME Section III, Class 1, 1971 Edition, Summer 1973 Addenda
(Hinge Pin Studs & Nuts) ASME Section III, Class 1, 1977 Edition, No Addenda

(b) Applicable Edition of Section XI Utilized 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
8" 1500# Tilting Disc Check Valve	Anchor/Darling	IN-230	N/A	S31204MU072/ SO23-408-1-6-216	1976	Removed	Yes
8" 1500# Tilting Disc Check Valve	Flowserve Corp.	AU739	N/A	RSO-1674-04/ SO23-408-1-6-350	2004	Installed	Yes

7. Description of Work:

Check valve installed in plant position S31204MU072 was removed and replaced with a new check valve in accordance with ECP 030400450-49/ECN A26651. Prior to installation, the weld ends of the replacement valve and existing piping were prepared for welding and surface (PT) examinations performed. Replacement valve was installed and the completed welds were prepared for ISI examination. Appropriate NDE of the completed welds was performed in accordance with the Construction Code and the ISI program.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 030400450-51

Pressure: ≥ 642 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 A.I.A.

FORM NIS-2 (back)

9. Remarks: MO 05090921 generated to perform a VT-1 examination of the hinge pin cover fasteners at next available outage was cancelled since valve was removed and replaced with an in-kind replacement valve (see MO 05050721).

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/16/04 to 2/28/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|---|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Safety Injection and Shutdown Cooling</p> <p>5. (a) Applicable Construction Code: <u>(Valve) ASME Section III, Class 1, 1971 Edition, Summer 1973 Addenda</u>
<u>(Hinge Pin Studs & Nuts) ASME Section III, Class 1, 1977 Edition, No Addenda</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> | <p>Date: 01/03/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: 030400450-46</p> <p>MO/CWO: 03070757000 05010920000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> |
|---|--|

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
8" 1500# Tilting Disc Check Valve	Anchor/Darling	IN-232	N/A	S31204MU074/ SO23-408-1-6-216	1976	Removed	Yes
8" 1500# Tilting Disc Check Valve	Flowserve Corp.	AU737	N/A	RSO-1674-04/ SO23-408-1-6-351	2004	Installed	Yes

7. Description of Work:

Check valve installed in plant position S31204MU074 was removed and replaced with a new check valve in accordance with ECP 030400450-49/ECN A26653. Prior to installation, the weld ends of the replacement valve and existing piping were prepared for welding and surface (PT) examinations performed. Replacement valve was installed and the completed welds were prepared for ISI examination. Appropriate NDE of the completed welds was performed in accordance with the Construction Code and the ISI program. MO 05010920 performed a VT-1 examination of the hinge pin cover fasteners with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 030400450-53 Pressure: ≥ 650 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 A1A.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/16/04 to 2/28/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/28/07

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 | Date: 11/29/05
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: ASME SECTION XI
DATA-0480, GEN-239

MO/CWO: 03080842001 03080842000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1971 Edition, W. '71 Addenda, Code Case: None</u> | | |

(b) Applicable Edition of Section XI Utilized 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
LPSI Pump Discharge Flange	Bechtel	N/A	N/A	S31204ML038	1978	Corrected	Yes
10" Piping Spool	Hawley Forge	Ht. #APL	N/A	S3-SI-038-026	N/A	Corrected	Yes
10" Piping Spool	Pullman, Inc.	N-6069	N/A	S3-SI-038-025	1978	Corrected	Yes
7/8" All-Thread Stud (3)	Mackson, Inc	Ht. #S20751	N/A	RSO-1137-03, SA193 B7	N/A	Installed	No

7. Description of Work:

Twelve (12) 7/8"-9 x 6-1/4" studs, cut from all-thread material, were installed on LPSI Pump S31204MP016 discharge flange (spool 3-SI-038-026 per ISO S3-1204-ML-038, sheet 7) in accordance with non-ASME MO 03080842000. The verification of material acceptability; cutting, marking and maintenance of traceability and installation was performed on ASME MO 03080842001 and in accordance with RRP GEN-239 and ASME XI Data flag 0480.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050101631-04 Pressure: 219 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.

FORM NIS-2 (back)

9. Remarks: RoR-002-03 reconciles the replacement studs which were certified to ASME III-2(NC), 1989 Edition, No Addenda.

(Applicable Manufacturer's Data Reports to be attached)

CERTIFICATE OF COMPLIANCE

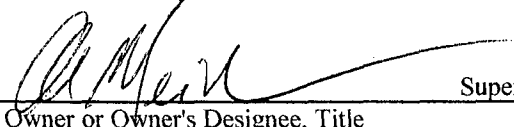
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed:



Supervising ASME Codes Engineer

Date: 1/04/06

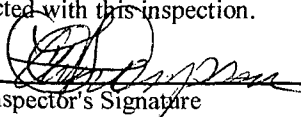
Owner or Owner's Designee, Title

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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 8-17-05 to 1-5-06, 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

8024 I, N, S California 1862
National Board, State, Province, and Endorsements

Date

1-5-06

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

Date: 10/04/06

Sheet 1 of 1

Unit: A

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/CWO: 04041121000

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

4. Identification of System: Safety Injection and Shutdown Cooling

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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	N60061-00-0002	N/A	026-44409-N60061-00-0002-1ST	1978	Corrected	Yes
Adjusting Bolt	Crosby Valve & Gage	Ht.# 656369	N/A	RSO-1006-86, SA479 316 (RoR-	N/A	Installed	No

7. Description of Work:

The spare relief valve (S/N N60061-00-0002) that was removed from plant position 2PSV9349 on MO 03022885 was rebuilt using a new replacement adjusting bolt. The rebuilt valve was bench tested and returned to stock.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: RoR-024-03 reconciles the replacement adjusting bolt which was certified to ASME III-2, '83 Ed., W. '84 Add.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 10/23/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-15-06 to 10-23-06, 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.

[Signature]
Inspector's Signature

Commissions NB 8024 N.I.S. California 1862
National Board, State, Province, and Endorsements

Date Oct. 23, 2006

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 | Date: 12/27/06 Sheet 1 of 1
Unit: 3 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 030400634-34, GEN-239
MO/CWO: 04050442000 06050956000 |
| 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
Expiration Date: N/A |
| 4. Identification of System: Chemical and Volume Control | |
| 5. (a) Applicable Construction Code: <u>Pulsation Dampener: ASME Section III, Class 2, 1974 Ed., S. '75 Add. Piping Componets: ASME Section III, Class 2, 1974 Ed., S. '74 Add. Replacement Pulsation Dampener: ASME Section III, Class 2, 1998 Ed., 2000 Add. and SO23-407-21.</u>
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | |

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
Pulsation Dampener	General Atomics	E644	N/A	S31208MW219	1981	Removed	Yes
Pulsation Dampener	Westinghouse	3301	N/A	RSO-1101-06	2006	Installed	Yes
2" Sch. 160 Pipe	Energy & Process Corp.	Ht. #609642	N/A	RSO-1480-02, SA376 Tp316 (RoR-014-03)	N/A	Installed	No
2" 1500# RF Flange	Energy & Process Corp.	Ht. #K601	N/A	RSO-1190-06, SA182 F316	N/A	Installed	No
7/8" x 36" All-Thread Stud	Mackson, Inc	Ht. #736572	N/A	RSO-2316-05, SA193 B7 (RoR-002-03)	N/A	Installed	No

7. Description of Work:

CWO 04050442 replaced the existing pulsation dampener on the discharge of 3P191 with a new style pulsation dampener in accordance with ECP 030400634-13. Replacement of dampener required welding a new pipe spool on the discharge side of dampener. Replaced (8) each piping flange studs (item 104) with in-kind replacements. The studs were cut from all-thread stock with the required markings transferred to the cut pieces in accordance with GEN-239. The replacement dampener spool assembly was fabricated on CWO 06050956 in accordance with RRP 030400634-34.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 030400634-53

Pressure: ≥ 2333 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.

FORM NIS-2 (back)

9. Remarks: RoR-014-03 reconciles the replacement pipe which was certified to ASME III-1, 1989 Ed., No Add.
RoR-002-03 reconciles the replacement studs which were certified to ASME III-2(NC), 1989 Ed., 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 that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorizaton No: N/A

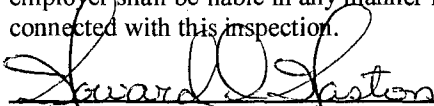
Expiration Date: N/A

Signed:  Supervising ASME Codes Engineer Date: 1/22/07
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 HSBCT, of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 12/14/06/06 to 12/14/07, 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 N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date: February 9, 2007

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
 As Required by the Provisions of the ASME Code, Section III Division 1

1. Manufactured and certified by Westinghouse Electric Company LLC Newington Operations, 74 Old Dover Road, Newington, NH 03801
(name and address of N Certificate Holder)

2. Manufactured for Southern California Edison Co. 14300 Mesa Road Mail Stop W49 San Clemente CA. 92672
(name and address of Purchaser)

3. Location of installation San Onofre Nuclear Generating Station Unit 3
(name and address)

4. Type: Vert. 3301 N/A 10022E67 rev 4 N/A 2006
(horiz. or vert.) (Cert. Holder serial no.) (CRN) (drawing no.) (Nat'l. Bd. no.) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Shell: SA182 F304 75,000 psi 1.105" 1.09" 8" 3' 3"
(mat'l spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness) (dia. ID (ft & in.)) (length (oversize) (ft & in.))

7. Seams: N/A N/A N/A N/A Single Butt Weld No Full 1
(long.) (HT) (RT) (alt. %) (girth) (HT) (RT) (no. of courses)

8. Heads: SA 403 TYPE 304 75,000 psi SA 403 Type 304 75,000 psi
(a) mat'l spec. no. (tensile strength) (b) mat'l spec. no. (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (concave or convex)
(a)	Top	1.000	N/A	N/A	N/A	N/A	4.00	8.00	concave
(b)	Bottom	1.000	N/A	N/A	N/A	N/A	4.00	8.00	concave

If removable, bolts used N/A Other Fastening N/A
(mat'l. spec. no., T.S., size, quantity) (describe or attach sketch)

9. Design pressure² 3010 at max. temp. 250 Min. pressure-test temp. 70 Hydro., pneu., or comb. test pressure 3763
(PSI) (°F) (°F) (PSI)

10. Nozzles, Inspection and safety valve openings

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. Or Size	Type	How Attached	Mat'l	Thickness	Reinforcement Allowable	Location
Bladder Opening	1	.876"	N/A	Bolled	N/A	N/A	N/A	Top
Inlet / Outlet	1	5.000"	N/A	Bolled	N/A	N/A	N/A	Bottom

11. Supports: Skirt No Lugs 2 Legs N/A Other N/A Attached Top of shell with .25" fillet welds
(yes or no) (quantity) (quantity) (describe) (where and how)

12. Remarks S/N 1 Pulsation Dampener for charging pumps.

CERTIFICATION OF DESIGN

Design specifications certified by I. S. Gaor P.E. State CA. Reg. no. M17613
 Design report² certified by L. Ike Ezekoye P.E. State PA. Reg. no. 018379E

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this Nuclear Vessel conforms to the rules of construction of the ASME Code, Section III, Division 1. N Certificate of Authorization No. N2040 Expires February 20, 2008
 Date 7/10/2006 Name Westinghouse Electric Co. LLC Newington Operations Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by USBCCT of Hartford, CT have inspected these items described in this Data Report on 7/10/06, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 7/10/06 Signed [Signature] Commissions NY 5070
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

1 If postweld heat treat. 2 List other internal or external pressure with coincident temperature when applicable.
 * 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 the items 1 through 4 on this Data Report is included on each sheet, (3) EACH SHEET IS NUMBERED AND NUMBER OF SHEETS IS RECORDED AT TOP OF THIS FORM.

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

Date: 02/08/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
DATA-0599

MO/CWO: 04051407000

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

4. Identification of System: Chemical and Volume Control

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda (valve); ASME Section III, Class 2, 1989 Ed., No Add. (spindle); Code Case: None

(b) Applicable Edition of Section XI Utilized 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
2" 600# Globe Valve	CCI	36995-1-3	N/A	3PV0201B	1985	---	Yes
Spindle	CCI	S/N 199800, Ht. #RT-13	N/A	RSO-1337-04	2004	Installed	Yes

7. Description of Work:

Replaced the valve spindle (plug) on the valve in plant location 3PV0201B with an in-kind replacement spindle.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 050801006-01

Pressure: >= 320 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2-13-06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8-18-2005 to 2-16-2006, 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.

[Signature] Commissions 8024 N, NS, I California 1862
Inspector's Signature National Board, State, Province, and Endorsements

Date Feb. 16, 2006

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

Date: 10/13/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI

DATA-0581

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 04051408000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

4. Identification of System: Chemical and Volume Control

5. (a) Applicable Construction Code: ASME Section III, Class 2, 1971 Edition, Summer 1973 Add (valve). ASME Section III, Class 2, 1989 Edition, No Add (spindle).

(b) Applicable Edition of Section XI Utilized 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
1-1/2" 1500# Angle/Drag Valve	Control Components	35208-1-4	N/A	3LV0110B	1985	---	Yes
Spindle (Plug)	Control Components	S/N 600665	N/A	RSO-0674-06, SB637 NO7718	2006	Installed	Yes

7. Description of Work:

Replaced the spindle (plug) with an in-kind replacement spindle in the valve in plant location 3LV0110B in accordance with ASME XI Data flag - 0581.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060100271-02

Pressure: ≥ 2242 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.

FORM NIS-2 (back)

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 Authorizatn No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 12/22/06
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 05-10-06 to 01-18-07, 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.

[Signature] Commissions 8024 N. P. N.S. California
Inspector's Signature National Board, State, Province, and Endorsements

Date: [Signature]
Jan. 18-2007

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by C. C. I., 22591 Avenida Empressa, Rancho Santa Margarita, CA 92688
(name and address of Certificate Holder)

2. Manufactured for SOUTHERN CALIFORNIA EDISON, ROSEMEAD, CA 91770
(name and address of purchaser)

3. Location of installation SAN ONOFRE NUCLEAR GENERATING STATION, SAN ONOFRE, CA
(name and address)

4. Type 127200122 SB 637-NO7718 185,000 N/A 2006
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III, Division 1: 1989 NO ADDENDA 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (div. 2 only) N/A Revision N/A Date N/A
(no.)

7. Remarks FOR 1.5" X 1.5" 1500 SPECIAL CLASS, LETDOWN CONTROL VALVE P/N 35208-1

CCI PROJECT #120023, S/O #600665

8. Nom. thickness N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) 15.66"
(in.)

9. When applicable, Certificate Holders' Data Reports are attached for each item of the this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1.) 600665	N/A	(26.)	
(2.)		(27.)	
(3.)		(28.)	
(4.)		(29.)	
(5.)		(30.)	
(6.)		(31.)	
(7.)		(32.)	
(8.)		(33.)	
(9.)		(34.)	
(10.)		(35.)	
(11.)		(36.)	
(12.)		(37.)	
(13.)		(38.)	
(14.)		(39.)	
(15.)		(40.)	
(16.)		(41.)	
(17.)		(42.)	
(18.)		(43.)	
(19.)		(44.)	
(20.)		(45.)	
(21.)		(46.)	
(22.)		(47.)	
(23.)		(48.)	
(24.)		(49.)	
(25.)		(50.)	

10. Design pressure 2485 PSIA psi Temp. 600 Deg. F Hydro test pressure N/A at temp. Deg. f

*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 Data Report is included on each sheet; (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Form N-2

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

Certificate Holder's Serial No. 600665 Through N/A

CERTIFICATE OF DESIGN

Design Specification certified by N/A P.E. State N/A Reg. no. N/A

Design Report * certified by N/A P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) SPINDLE
conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2696 Expires August 14, 2006

Date 31-Mar-06 Name CCI Signed [Signature]
(NPT Certificate Holder) (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CALIFORNIA and employed by H S B C T of HARTFORD, CONNECTICUT have inspected these items described in this Data Report on

4/1/06, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with ASME Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 4/1/06 Signed [Signature] Commissions CA 1298
(Authorized Inspector) (Nat'l Bd. (including 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# - 600665
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. 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
4. Identification of System: Reactor Coolant
5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, Summer 1971 Addenda.

Date: 01/25/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: GEN-205S R2

MO/CWO: 05020935000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
Steam Generator	CE	72270-2	22265	S31301ME088	1977	---	Yes
1"-8N-2A x 6" Handhole Stud (1)	Westinghouse	Ht. #85689	N/A	RSO-0403-04, SA193 B7 (RoR-002-05)	N/A	Installed	No
1"-8N-2B Handhole Nut (1)	Westinghouse	Ht. #73240, Ht. Code H750	N/A	RSO-2624-03, SA193 B7	N/A	Installed	No

7. Description of Work:

Replaced the steam generator handhole cover bolting. (1) each stud (location #8) and (1) each nut (location #8) were replaced with in-kind replacement bolting in accordance with Repair Replacement Plan GEN-205s Rev. 2.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-24

Pressure: ≥ 2254 psi Test Temp: ≥ 546 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. Remarks: RoR-002-05 reconciles the replacement stud which was certified to ASME III-1, 1974 Edition, Winter 1974 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/25/06 to 2/26/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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 | Date: 01/11/07
Unit: 3 | Sheet 1 of 1 |
| 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 | |
| 3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05021269000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda</u> | | |

(b) Applicable Edition of Section XI Utilized 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	N60061-00-0001	N/A	3PSV9349	1978	Removed	Yes
6" x 8" Relief Valve (L-Top)	Crosby Valve & Gage	N60061-00-0002	N/A	Mat Code 026-44409 (Rebuilt under MO 04041121)	1978	Installed	Yes

7. Description of Work:

Replaced the relief valve in plant position 3PSV9349 with a rebuilt and tested spare valve (S/N N60061-00-0002). The removed valve (S/N N60061-00-0001) was placed in the rebuild program (to be rebuilt under MO 06120896).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-13

Pressure: ≥ 350 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/18/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/7/06 to 1/18/07, 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.

[Signature] Commissions N&I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5/07

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

Date: 01/10/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI

DATA-0089

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 05030306000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Steam Generator Blowdown Processing

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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" 900# Diaphragm Actuated Control Valve	Fisher Controls	6489968	5438	3HV4054	1980	Corrected	Yes
Pilot Plug	Fisher Controls	AB7959-1	N/A	RSO-0073-03, SA479 316L	2002	Installed	Yes
Primary Plug	Fisher Controls	AB7960-2	N/A	RSO-0139-03, SA479 316L	2003	Installed	Yes

7. Description of Work:

Replaced the stem/pilot plug assembly and the primary plug with in-kind replacements for the valve in plant location 3HV4054 in accordance with ASME Section XI Data flag 0089.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 050201761-03

Pressure: ≥ 988 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/13/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/9/06 to 1/13/07, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5/07

FORM N CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES* As Required by the Provisions of the ASME Code, Section III Not to exceed One Day's Production

p.3

019-F502383 IT. 1

1. Manufactured and certified by FISHER CONTROLS-INT'L INC., 205 SOUTH CENTER STREET, MARSHALLTOWN, IA, 50158 (name and address of NPT Certificate Holder)

2. Manufactured for SOUTHERN CALIFORNIA EDISON, P.O. BOX 700, ROSEMEAD, CALIFORNIA, 91771 (name and address of purchaser)

3. Location of installation SAN ONOFRE NUCLEAR GENERATING STATION, 14300 MESA ROAD, SAN CLEMENTE, CALIFORNIA, 92672 (name and address)

4. Type 41B9687 REV.A SA479 S31603 70KSI N/A 2002 (drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)

5. ASME Code, Section III: 1974 NONE 2 N/A (edition) (addenda date) (class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A (no.)

7. Remarks: DESIGN: ASME B&PVC, SECT. III, 1974 EDITION, NO ADDENDA, CLASS 2 OTHER: ASME B&PVC, SECT. III, 1989 EDITION, NO ADDENDA, CLASS 2

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Table with 2 columns: Part or Appurtenance Serial Number, Heat Number. Row 1: AB7959-1, G7314. Rows 2-25 are empty.

Table with 2 columns: Part or Appurtenance Serial Number, Heat Number. Rows 26-50 are empty.

10. Design Pressure 1210 psi. Temp. 560 °F. Hydro. test pressure N/A at temp. °F (when applicable)

*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 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

CERTIFICATION OF DESIGN

Design specifications certified by PETER D. WILKENS P.E. State CA. Reg. no. M17578
(when applicable)

Design report* certified by N/A P.E. State N/A Reg. no. N/A
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) PLUG/STEM conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1930 Expires 11-11-2004

Date 12-19-02 Name FISHER CONTROLS INT'L INC Signed [Signature]
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of Iowa and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected these items described in this Data Report on 12-20-02 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 12-20-02 Signed [Signature] Commissions 822 IA.
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

As Required by the Provisions of the ASME Code, Section III
Not to exceed One Day's Production

6J262017-C.O.D01

Pg. 1 of 1

019-F502384

1. Manufactured and certified by FISHER CONTROLS INT'L INC., 205 SOUTH CENTER STREET, MARSHALLTOWN, IA. 50158
(name and address of NPT Certificate Holder)
2. Manufactured for Edison Material Supply, LLC, PO Box 700, Rosemead, CA 91771
(name and address of purchaser)
3. Location of installation San Onofre Nuclear Generating Station, 14300 Mesa Road, San Clemente, CA 92672
(name and address)
4. Type 33A9025 Rev. B SA479 S31603 70 KSI N/A 2003
(drawing no.) (mat'l. spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III: 1974 No Addenda 2 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A Revision N/A Date N/A
(no.)
7. Remarks: Design: ASME BPVC SEC III, 1974 EDITION, NO ADDENDA, CLASS 2
Other: ASME BPVC SEC III, 1989 EDITION, NO ADDENDA, CLASS 2
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	Heat Number
(1)	AB7960-1	G7314
(2)	AB7960-2	G7314
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	Heat Number
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design Pressure 1210 psi. Temp. 560 °F. Hydro. test pressure N/A at temp. °F
(when applicable)

*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 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

CERTIFICATION OF DESIGN

Design specifications certified by Peter D. Wilkens P.E. State CA Reg. no. M17578 (when applicable)

Design report* certified by N/A P.E. State N/A Reg. no. N/A (when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) PLUG conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1930 Expires 11-11-2004

Date 1-9-03 Name FISHER CONTROLS INT'L INC Signed Linda Ward (NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or Province of Iowa and employed by Hartford Steam Boiler of CT

of Hartford, CT have inspected these items described in this Data Report on 1-9-03 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 1-9-03 Signed Kent Cocking Commissions 822 IA (Authorized Inspector) (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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

Date: 10/10/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 030400634-34

3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 05031199000 06050955000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

4. Identification of System: Chemical and Volume Control

5. (a) Applicable Construction Code: Pulsation Dampener: ASME Section III, Class 2, 1974 Ed., S. '75 Add. Piping Components: ASME Section III, Class 2, 1974 Ed., S. '74 Add. Replacement Pulsation Dampener: ASME Section III, Class 2, 1998 Ed., 2000 Add. and SO23-407-

(b) Applicable Edition of Section XI Utilized 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
Pulsation Dampener	General Atomics	E645	N/A	S31208MW220	1981	Removed	No
Pulsation Dampener	Westinghouse	3302	N/A	RSO-1101-06	2006	Installed	No
2" Sch. 160 Pipe	Energy & Process Corp.	Ht. #609642	N/A	RSO-1480-02, SA376 Tp316 (RoR-014-03)	N/A	Installed	No
2" 1500# RF Flange	Energy & Process Corp.	Ht. #K601	N/A	RSO-1190-06, SA182 F316	N/A	Installed	No

7. Description of Work:

CWO 05031199 replaced the existing pulsation dampener on the discharge of 3P192 with a new style pulsation dampener in accordance with ECP 030400634-13. Replacement of dampener required welding a new pipe spool on the discharge side of dampener. The replacement dampener was fabricated on CWO 06050955 in accordance with RRP 030400634-34.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 030400634-54

Pressure: ≥ 2329 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.

FORM NIS-2 (back)

9. Remarks: RoR-014-03 reconciles the replacement pipe which was certified to ASME III-1, 1989 Ed., 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 that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorizatn No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 10/23/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 6-6-06 to 10-23-06, 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.

[Signature] Commissions 3024 N.B.I. California 1862
Inspector's Signature National Board, State, Province, and Endorsements

Date Oct. 23, 2006

FORM N-1A CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR VESSELS*
 Alternate Form for Single Chamber Completely Shop-Fabricated Vessels Only
 As Required by the Provisions of the ASME Code, Section III Division 1

1. Manufactured and certified by Westinghouse Electric Company LLC Newington Operations, 74 Old Dover Road, Newington, NH 03801
(name and address of N Certificate Holder)

2. Manufactured for Southern California Edison Co. 14300 Mesa Road Mail Stop W49 San Clemente CA, 92672
(name and address of Purchaser)

3. Location of installation San Onofre Nuclear Generating Station Unit 3
(name and address)

4. Type: Vert. 3302 N/A 10022E67 rev 4 N/A 2006
(horiz. or vert.) (Cert. Holders serial no.) (CRN) (drawing no.) (Nat'l Bd. no.) (year built)

5. ASME Code, Section III, Division 1: 1998 2000 2 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Shell: SA182 F304 75,000 psi 1.105" 1.09" 8" 3' 9"
(mat'l spec. no.) (tensile strength) (nom. thickness (in.)) (min. design thickness) (dia. ID (ft & in.)) (length overall (ft & in.))

7. Seams: N/A N/A N/A N/A Single But Weld No Full 1
(long.) (HT) (RT) (alt. % (plth)) (HT) (RT) (no. of courses)

8. Heads: SA 403 TYPE 304 75,000 psi SA 403 Type 304 75,000 psi
((a) mat'l spec. no.) (tensile strength) ((b) mat'l spec. no.) (tensile strength)

	Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diameter	Side to Pressure (concave or convex)
(a)	Top	1.000	N/A	N/A	N/A	N/A	4.00	8.00	concave
(b)	Bottom	1.000	N/A	N/A	N/A	N/A	4.00	8.00	concave

9. Design pressure² 3010 at max. temp. 250 Min. pressure-test temp. 70 Hydro., pneu., or comb. test pressure 3763
(PSI) (F) (F) (PSI)

10. Nozzles, inspection and safety valve openings

Purpose (inlet, outlet, drain, etc.)	Quantity	Dia. Or Size	Type	How Attached	Mat'l	Thickness	Reinforcement Allowable	Location
Bladder Opening	1	.878"	N/A	Bolled	N/A	N/A	N/A	Top
Inlet / Outlet	1	5.000"	N/A	Bolled	N/A	N/A	N/A	Bottom

11. Supports: Skirt No Lugs 2 Legs N/A Other N/A Attached Top of shell with .25" fillet welds
(yes or no) (quantity) (describe) (where and how)

12. Remarks S/N 2 Pulsation Dampener for Charging Pumps.

CERTIFICATION OF DESIGN			
Design specifications certified by	<u>I. S. Gaor</u>	P.E. State <u>CA</u>	Reg. no. <u>M17613</u>
Design report* certified by	<u>L. Ike Ezekoye</u>	P.E. State <u>PA</u>	Reg. no. <u>018379E</u>
CERTIFICATE OF COMPLIANCE			
We certify that the statements made in this report are correct and that this Nuclear Vessel conforms to the rules of construction of the ASME Code, Section III, Division 1. N Certificate of Authorization No. <u>N2040</u> Expires <u>February 20, 2008</u>			
Date	<u>7/10/2006</u>	Name	<u>Westinghouse Electric Co. LLC Newington Operations</u> <small>(N Certificate Holder)</small>
		Signed	<u>[Signature]</u> <small>(authorized representative)</small>
CERTIFICATE OF INSPECTION			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of <u>New York</u> and employed by <u>HSBCT</u> of <u>Hartford, CT</u> have inspected these items described in this Data Report on <u>7/10/06</u> , and state that to the best of my knowledge and belief, the Certificate Holder has constructed this component in accordance with the ASME Code, Section III, Division 1. By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.			
Date	<u>7/10/06</u>	Signed	<u>[Signature]</u> <small>(Authorized Nuclear Inspector)</small>
		Commissions	<u>NY5070</u> <small>(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)</small>

* 1 If postweld heat treat. 2 List other internal or external pressure with coincident temperature when applicable.
 * 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 the Items 1 through 4 on this Data Report is included on each sheet, (3) EACH SHEET IS NUMBERED AND NUMBER OF SHEETS IS RECORDED AT TOP OF THIS FORM.

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 | Date: 01/25/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: ASME SECTION XI
DATA-0427, -0056,
GEN-239

MO/CWO: 05031413000 06051287001 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Winter 1974 Addenda (valve); Section III, Class 2, 1974 Edition, Summer 1974 Addenda (flange bolting).</u> | | |
| (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
24" 150# Butterfly Valve	Fisher Controls	BF228834	4285	3HV9303	1979	Corrected	Yes
Retaining Ring	Fisher Controls	Ht. #21098-2	N/A	RSO-7240-85-01, SA240 316 (RoR-013-03)	1985	Installed	Yes
24" Pipe Spool	Pullman, Inc.	N-7363	N/A	S3-1204-ML-003, S3-SI-003-013	1978	Corrected	Yes
1-1/4" x 36" All-Thread Stud	Mackson, Inc	Ht. #11479170, Ht. Code AQO	N/A	RSO-2398-04, SA193 B7 (RoR-002-03)	N/A	Installed	No
1-1/4" x 8 Heavy Hex Nuts	Mackson, Inc	Ht. #M82391, Ht. Code ARZ	N/A	RSO-1865-06, SA194 gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

Replaced the retaining ring on the valve in plant location 3HV9303 with an in-kind replacement retaining ring. (1) each flange stud was cut to 13-3/4" length with the required markings transferred to the cut piece in accordance with GEN-239 and (2) each flange nuts were replaced with in-kind replacement nuts on the butterfly valve (3HV9303) side of the piping. MO 06051287001 was generated to track the flange bolting (4 studs and 8 nuts) that was replaced on the check valve (S31204MU003) side of the piping. (4) each studs were cut to 16-1/4" lengths with the required markings transferred to the cut pieces in accordance with GEN-239 and (8) each nuts were replaced with in-kind replacement nuts.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-30

Pressure: _____ 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.

FORM NIS-2 (back)

9. Remarks: RoR-013-03 reconciles the replacement ring which was certified to ASME III-2, 1980 Ed., S.'82 Add. RoR-002-03 and RoR-012-03 reconciles the replacement bolting which was certified to ASME III-2, 1989 Ed., No Add. SEE-92-0065 allows SA194 gr. 7 for 2H.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: *[Signature]* Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/30/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

1. (a) Manufactured by Fisher Controls Int'l, Inc., 205 S. Center St., Marshalltown, IA 50158
 (Name and address of NPT Certificate Holder)

(b) Manufactured for Southern Calif. Edison Co., P.O. Box 700, Rosemead, CA 91770
 (Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. Part BF228816-817 Nat'l Bd. No. N/A CRN No. N/A

(a) Constructed According to Drawing No. See Page 2 Drawing Prepared by Fisher Controls Int'l, Inc.

(b) Description of Part Inspected See Page 2

(c) Applicable ASME Code: Section III, Edition 1980; Addenda date S-1982; Case No. N/A Class 2

3. Remarks: On-Off
 (Brief description of service for which component was designed.)

Handwritten notes:
 Sub
 OK of 7

RSO-7240-85
103 of 125

Items 4-8 inclusive to be completed for single wall vessels, jackets of jacketed vessels, or shells of heat exchangers.

4. Shell: Material _____ T.S. _____ (Min. of range specified) Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.)

5. Seams: Long _____ H.T.' _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T.' _____ R.T. _____ No. of Courses _____

6. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location (top, bottom, ends)	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam.	Side to Pressure (convex or concave)
(a) _____	_____	_____	_____	_____	_____	_____	_____	_____
(b) _____	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used _____ (Material, Spec. No., T.S., Size, Number) Other fastening _____ (Describe or attach sketch)

7. Jacket Closure: _____ (Describe as ogee and weld, bar, etc. If bar, give dimensions, if bolted, describe or sketch)

8. (a) Design Pressure² _____ psi at _____ ° F (b) Min. Pressure-Test Temp. _____ ° F

Items 9 and 10 to be completed for tube sections.

9. Tube Sheets: Stationary: Material _____ Diam. _____ in. Thk. _____ in. Attachment _____ (Welded, bolted)
 (Kind & Spec. No.) (Subject to pres.)

Floating: Material _____ Diam. _____ in. Thk. _____ in. Attachment _____

10. Tubes: Material _____ O.D. _____ in. Thk. _____ in. or gage Number _____ Type _____ (Straight or U)

Items 11-14 inclusive to be completed for inner chambers of jacketed vessels or channels of heat exchangers.

11. Shell: Material _____ T.S. _____ (Min. of range specified) Nom. Thk. _____ in. Corr. Allow. _____ in. Diam. _____ ft. _____ in. Length _____ ft. _____ in.
 (Kind & Spec. No.)

12. Seams: Long _____ H.T.' _____ R.T. _____ Efficiency _____ %
 Girth _____ H.T.' _____ R.T. _____ No. of Courses _____

13. Heads: (a) Material _____ T.S. _____ (b) Material _____ T.S. _____

Location	Thickness	Crown Radius	Knuckle Radius	Elliptical Ratio	Conical Apex Angle	Hemispherical Radius	Flat Diam.	Side to Pressure (convex or concave)
(a) Top, bottom, ends	_____	_____	_____	_____	_____	_____	_____	_____
(b) Channel	_____	_____	_____	_____	_____	_____	_____	_____

If removable, bolts used (a) _____ (b) _____ (c) _____ Other fastening _____ (Describe or attach sketch)

14. (a) Design Pressure² _____ psi at _____ ° F (b) Min. Pressure-Test Temp. _____ ° F

¹ If postweld heat-treated. ² List other internal or external pressures with coincident temperature when applicable. ³ Supplemental sheets in form of lists, sketches, or drawings may be used provided: (1) size is 8 1/4 in. x 11 in.; (2) information in Items 1 and 2 of this Data Report is included on each sheet; and (3) each sheet is numbered and number of sheets is recorded in Item 3, Remarks.

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 | Date: 01/17/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: ASME SECTION XI
DATA-0420, GEN-239 | |
| 3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05050707000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Containment Building HVAC Chilled Wa | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Winter 1974 Addenda (valve & retaining ring); Section III, Class 2, 1974 Edition, Summer 1974 Addenda (flange bolting);</u>

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
8" 150# Butterfly Valve	Fisher Controls	BF229057	4305	3HV9921	1979	Corrected	Yes
Retaining Ring	Fisher Controls	AC5378-1	N/A	RSO-3676-86, SA515 gr. 70 (RoR-004-04)	1986	Installed	Yes
3/4" X 36" All-Thread Stud	Mackson, Inc	Ht. #3401H5512	N/A	RSO-0109-03, SA193 B7 (RoR-002-03)	N/A	Installed	No
3/4"-10 Heavy Hex Nut (32)	Mackson, Inc	Ht. #S44037	N/A	RSO-1966-05, SA194 2H (RoR-003-03)	N/A	Installed	No

7. Description of Work:

Replaced the retaining ring and flange bolting on the valve in plant location 3HV9921 with in-kind replacements. (8) each studs were cut from all-thread stock to 4-3/4" lengths (and (8) each studs were cut to 7-1/2" lengths) with the required markings transferred to the cut pieces in accordance with RRP GEN-239. (32) each nuts were replaced in accordance with ASME XI Data flag - 0420.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050301239-21 Pressure: ≥ 103 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.

FORM NIS-2 (back)

9. Remarks: RoR-004-04 reconciles the replacement retaining ring which was certified to ASME III-2, 1980 Ed., S'82 Add. RoR-002-03 & RoR-003-03 reconciles the replacement bolting which was certified to ASME III-2 (NC), 1989 Ed., 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 that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorizatoin No: N/A

Expiration Date: N/A

Signed: _____

[Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date: _____

1/18/07

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 10/13/06 to 1/18/07, 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.

[Signature]
Inspector's Signature

Commissions _____

N # I
National Board, State, Province, and Endorsements

California

1574

Date _____

2/5/09

76
 RSO-3637-B
 10-EN12405A
 Item #24

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

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

Not To Exceed One Day's Production

Pg. 1 of 1

1. Manufactured and certified by Fisher Controls Int'l Inc., 205 S. Center St., Marshalltown, IA 50158
(Name and address of NPI Certificate Holder)

2. Manufactured for Southern Calif. Edison Co., Box 700, Rosemead, CA 91770
(Name and address of purchaser)

3. Location of installation San Onofre Nuclear Gen. Station, CA
(Name and address)

4. Type G23506 Rev. D SA-515-70 70.0 KSI N/A 1986
(Drawing no. Material Spec. no. Tensile strength (CRN) Year built)

5. ASME Code, Section III 1974 Winter 1974 2 N/A
(Edition) (Addenda Date) (Class) (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) _____ Revision _____ Date _____
(no.)

7. Remarks: Design: ASME Sect III, 1974 Edition, Winter 1974 Add. CL. 2

Other: Sect III, 1980 Edition, Summer 1982, Add. (Per DSR 1000)

Parts For Valve S/N 229050, 229061

8. Nom. thickness (in.) _____ Min. design thickness (in.) _____ Dia. ID (ft & in.) _____ Length overall (ft & in.) _____

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. or Numerical Order Heat Number	Part or Appurtenance Serial Number	National Board Number in Numerical Order
(1) AC5378-1	94824-17856-8	(26)	
(2)		(27)	
(3)		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

Design pressure 150 psi Temp 200 °F Hydro. test pressure 450 at temp. °F
(when applicable)

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 2 and 3 on this Data Report found on each sheet; (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This form (E001-40) may be obtained from the Order Dept., ASME, 22 Law Dr., Box 2400, Fairfield, NJ 07007-2300

RSO-3637-86

FORM N-2 (back)

Mr. Serial No.

CERTIFICATION OF DESIGN

Design specifications certified by Delbert C. Unruh P.E. State CA Reg. no. 12634
(when applicable)

Design report certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Retaining Ring
conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1930 Expires 11-18-89

Date 2-4-88 Name Fisher Controls Int'l Inc. Signed Daniel L. Cuyler
(NPT Certificate Holder) (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of
Iowa and employed by Hartford SBI&T Co

of Hartford, CONN have inspected these items described in this Data Report on 5-26-86 and state that to the
best of my knowledge and belief, the Certificate Holder has fabricated those parts or appurtenances in accordance with the ASME Code, Section
III. Each part listed has been authorized for stamping on the date shown above.

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

Date 2-4-88 Signed K. J. Credney Commissions 822 IA
(Authorized Inspector) (N.B. B.I. incl. endorse. Its State or prov. and no.)

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 Date: 02/06/07 Sheet 1 of 1
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Unit: 3
2. Plant: San Onofre Nuclear Generating Station Repair/Replacement Plan: ASME SECTION XI
 Address: P.O. Box 128, San Clemente, California 92674-0128 DATA-0421, GEN-239
3. Work Performed by: Southern California Edison Company MO/CWO: 05050709000
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Type Code Symbol Stamp: N/A
 Authorization No.: N/A
4. Identification of System: Containment Building HVAC Chilled Wa Expiration Date: N/A
5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, Winter 1974 Addenda (valve & retaining ring); Section III, Class 2, 1974 Edition, Summer 1974 Addenda (flange bolting).
- (b) Applicable Edition of Section XI Utilized 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
8" 150# Butterfly Valve	Fisher Controls	BF229056	4306	3HV9920	1979	Corrected	Yes
Retaining Ring	Fisher Controls	AC5366-2	N/A	RSO-3676-86, SA515 gr. 70 (RoR-004-04)	1986	Installed	Yes
3/4" X 36" All-Thread Stud	Mackson, Inc	Ht. #3401H5512	N/A	RSO-0109-03, SA193 B7 (RoR-002-03)	N/A	Installed	No
3/4"-10 Heavy Hex Nut (32)	Mackson, Inc	Ht. #S44037	N/A	RSO-1966-05, SA194 2H (RoR-003-03)	N/A	Installed	No

7. Description of Work:

Replaced the retaining ring and flange bolting on the valve in plant location 3HV9920 with in-kind replacements. (8) each studs were cut from all-thread stock to 4-3/4" lengths (and (8) each studs were cut to 7-1/2" lengths) with the required markings transferred to the cut pieces in accordance with RRP GEN-239. (32) each nuts were replaced in accordance with ASME XI Data flag - 0421.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050301239-22 Pressure: ≥ 103 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.

FORM NIS-2 (back)

9. Remarks: RoR-004-04 reconciles the replacement retaining ring which was certified to ASME III-2, 1980 Ed., S.'82 Add. RoR-002-03 & RoR-003-03 reconciles the replacement bolting which was certified to ASME III-2 (NC), 1989 Ed., 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 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:


Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date:

2/7/07

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 10/13/06 to 2/7/07, 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

NEI California 1574
National Board, State, Province, and Endorsements

Date

2/7/07

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL
NUCLEAR PARTS AND APPURTENANCES***
As Required by the Provisions of the ASME Code, Section III
Not To Exceed One Day's Production

RSO-3631-86
76 rec/1/16/86
Pg. 1 of 1

1. Manufactured and certified by Fisher Controls Int'l Inc., 205 E. Center St., Marshalltown, IA 50158
(name and address of NPT Certificate Holder)
2. Manufactured for Southern Calif. Edison Co., Box 700, Rosemead, CA 91770
(name and address of purchaser)
3. Location of installation San Onofre Nuclear Gen. Station, CA
(name and address)
4. Type G23506 Rev. D SA-515-70 70.0 KSI N/A 1986
(drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III 1974 Winter 1974 3 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) _____ Revision _____ Date _____
(no.)
7. Remarks: Design: ASME Sect III, 1974 Edition, Winter 1974 Add. CL. 3
Other: Sect III, 1980 Edition, Summer 1982, Add. (Per DSR 1000)
Parts For Valve S/N 228335, 228785
8. Nom. thickness (in.) _____ Min. design thickness (in.) _____ Dia. ID (ft & in.) _____ Length overall (ft & in.) _____
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	NATIONAL BOARD NO. in Numerical Order Heat Number
(1) AC5366-1	94824-17856-1
(2) AC5366-2	94824-17856-2
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order.
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 150 psi. Temp. 200 °F. Hydro. test pressure 450 at temp. °F
(when applicable)

*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 2 and 3 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.
(12/86) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

RSO-3637-86

FORM N-2 (back)

Mfr. Serial No. _____

CERTIFICATION OF DESIGN

Design specifications certified by Delbert C. Unruh P.E. State CA Reg. no. 12634
(when applicable)

Design report * certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Retaining Rings
conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. 1930 Expires 11-18-89

Date 2-4-88 Name Fisher Controls Int'l Inc. Signed [Signature]
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Iowa and employed by Hartford SBI&I Co of Hartford, CONN have inspected these items described in this Data Report on 5-29-86, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 2-4-88 Signed [Signature] Commissions P22 IA
(Authorized Inspector) (Nat'l Bd. Incl. endorsements) state or prov. and no.

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|--|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Safety Injection and Shutdown Cooling</p> <p>5. (a) Applicable Construction Code: <u>Piping Sys (upstream of S31204MU072): ASME III, Class 2(NC), '74 Ed, S.'74 Add. Piping Sys (downstream): ASME III, Class 1(NB), '74 Ed, S.'74 Add. Check Valve: ASME III, Class 1(NB), '71 Ed, S.'73 Add. Hdr Dm Vvs: ASME III, Class 1(NB), '71 Ed, S.'73 Add.</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Ed, 1996 Add. Pressure Testing per '98 Ed, 2000 Add, IWA-4540(a)(2) and NB-5000/NC-5000, '95 Ed, '96 Add, for NDE methodology/acceptance criteria on new welds.</u></p> <p>6. Identification of Components:</p> | <p>Date: 01/29/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: 050500027-22</p> <p>MO/CWO: 05050721000 06051653000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> |
|--|--|

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
8" 1500# Tilting Disc Check Valve	Flowserve Corp.	AU739	N/A	S31204MU072	2004	Removed	Yes
8" 1500# Tilting Disc Check Valve	Flowserve Corp.	AU738	N/A	RSO-1674-04	2004	Installed	Yes
8" NPS Sch. 140 Pipe	Sumitomo Metal Industries	Ht. Code D842706	N/A	RSO-1501-04, SA376 TP316	N/A	Installed	No
1" NPS Sch. 160 Pipe	Pexco (Sandvik)	Ht. #503301	N/A	RSO-1038-06, SA376 TP316	N/A	Installed	No
8" x 1" Outlet Pipet	WFI	Ht. Code 3111ANA	N/A	RSO-1038-06, SA403 WP316	N/A	Installed	No
1" 1513# Y-Type Globe Valve (2)	Flowserve	E-285P-1-1 (MR241), E-285P-1-2 (MR185)	N/A	RSO-0574-99, SA182 F316	1999	Installed	Yes

7. Description of Work:

The existing 8" NPS check valve in plant position S31204MU072, downstream pipe section and 1" NPS vent valve assembly (S31204MR241/S31204MR185) were replaced. Shop fabrication was performed under MO 06051653. Field installation and all required ASME XI Preservice Examinations (PSE) was performed under MO 05050721.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 050500027-34

Pressure: ≥ 1433 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 ALA.

FORM NIS-2 (back)

9. Remarks: RoR-014-03 reconciles the replacement pipe which was certified to ASME III-1, 1998 Ed., 2000 Add (8" NPS) and ASME III-1, 1974 Ed., S.'74 Add. (1" NPS). RoR-022-03 reconciles the replacement Pipet which was certified to ASME III-1, 1974 Ed., S.'74 Add.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/28/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7/25/06 to 2/28/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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1. Manufactured by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603
(Name and Address of N Certificate Holder)

2. Manufactured for Edison Material Supply LLC, PO Box 700, Rosemead, CA 91770
(Name and Address of Purchaser or Owner)

3. Location of Installation Edison Material Supply, San Onofre Station, San Clemente, CA 92672
(Name and Address)

	Pump or Valve	Nominal Inlet Size		Outlet Size		(f) Nat'l. Bd. No.	(g) Year Built
		Valve	8"	8"	8"		
(a) Model No. Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built	
(1)	1500#	AU738	N/A	W8722527 REV. B	I	N/A	2004
(2)							
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. 8" 1500# WELD ENDS STAINLESS STEEL TILT DISC CHECK VALVE
(Brief description of service for which equipment was designed)

*Studs and Nuts meet ASME Section II, 1977 Edition 26831

6. Design Conditions 2580 psi 650 °F or Valve Pressure Class 1500 (1)
(Pressure) (Temperature)

7. Cold Working Pressure 3600 psi at 100 °F.

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
047-T1401	SA351 CF8M	PRL	Body
047-T1407	SA351 CF8M	PRL	Disc
(b) Forgings			
17258	SA479-316	DuBosc	Hinge Pin Cover

(1) For manually operated valves only
 *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.

CORRECTED COPY 8-10-04

Valve S/N AU738 through *****

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
095*	SA453-660	Askew	Stud
332*	SA453-660	Askew	Nut
(d) Other Parts			
B8VV	SA240-316	Consolidated Pipe & Supply	Bonnet
B9VV	SA240-316	Consolidated Pipe & Supply	Seat Ring
B7VV	SA240-316L	Consolidated Pipe & Supply	Gasket Retainer

9. Hydrostatic test 6425 psi. Disk Differential test pressure 4800 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1, Edition 1971, Addenda Summer 1973, Code Case No. N/A, Date 8/10/04.

Signed Flowserve by [Signature]
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1562 to use the N symbol expires 11-26-06
(N) (Date)

CERTIFICATION OF DESIGN

Design information on file at Flowserve Corporation Raleigh, NC
 Stress analysis report (Class 1 only) on file at Flowserve Corporation Raleigh, NC
 Design specifications certified by (1) K.E. Morgan
 PE State CA Reg. No. QU004963
 Stress analysis certified by (1) R.S. Farrell
 PE State NC Reg. No. 028656

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford Connecticut have inspected the pump, or valve, described in this Data Report on 08/11/04, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III. By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 08/11/04

Signed [Signature] Commissions NC 1527
(Inspector) (Nat'l Bd., State, Prov. and No.)

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

As Required by the Provisions of the ASME Code Rules

RSO-0574-99

1. Manufactured by Flowserve Corp. Order No. E-285P-1
 701 First Street, Williamsport, PA 17701
(Name & Address of Manufacturer)
2. Manufactured for Southern California Edison Company Order No. 6C2T8003
 P.O. Box 700, Rosemead, CA 91770
(Name and Address)
3. Owner Southern California Edison Company, San Onofre Nuclear Station
4. Location of Plant 14300 Mesa Road, San Clemente, CA 92672
5. ~~Pump~~ Valve Identification E-285P-1-1 and E-285P-1-2

1"-1513#-Y-Globe Valve w/8-1/2" Tee Handle

(Brief description of service for which equipment was designed)

- (a) Drawing No. SC-D-9915-BW16-(1) ^{R/E} Prepared by Flowserve Corporation
 (72574585 Rev. E)
- (b) National Board No. N/A

6. Design Conditions 2485 (Pressure) psi 650 °F (Temperature)
7. The material, design, construction, and workmanship complies with ASME Code Section III. Class 1
- Edition 1971, Addenda Date Summer 1973, Case No. N/A

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
<u>N/A</u>			
(b) Forgings			
<u>Body R/S #302663A</u>	<u>SA182-F316</u>	<u>BW/IP International, Inc. Pump Division</u>	
<u>S/N 1, 2</u>			
<u>Bonnet HT.#717402</u>	<u>SA479-316</u>	<u>Carpenter Technology Corporation</u>	
<u>Pc. 2, 3</u>			
<u>Disc R/S #332460</u>	<u>SA479-316</u>	<u>BW/IP International, Inc. Pump Division</u>	
<u>S/N 177, 178</u>			
<u>Note: Original N-2 form from BW/IP International, Inc. Pump Division supplied.</u>			
<u>Yoke Trace Code #B507</u>	<u>SA105</u>	<u>BW/IP International, Inc. Pump Division</u>	

*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, 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.

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting N/A			RSO-0574-99
(d) Other Parts N/A			

B. Hydrostatic test 5450 psi.

CERTIFICATION OF DESIGN

Design information on file at Flowserve Corporation, 701 First St., Williamsport, PA 17701
 Stress analysis report on file at Flowserve Corporation, 701 First St., Williamsport, PA 17701
 Design specifications certified by Don L. Kinnsch (1) Prof. Eng. State CA Reg. No. 13352
 Stress analysis report certified by Ronald S. Farrell (1) Prof. Eng. State PA Reg. No. 035216-E
 (1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date 2-23 19 99 Signed Flowserve Corp. By Debra Henderson
(Manufacturer)

Certificate of Authorization No. N1712 expires 4/15/01

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of ~~PA~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the equipment described in this Data Report on 11-2-98 thru 2-24 19 99, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 2-24 19 99

Charles Young
(Inspector) Charles Young Commissions Pennsylvania 2392
(National Board, State, Province and No.)

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|--|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Safety Injection and Shutdown Cooling</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1971 Edition, Summer 1973 Addenda; Code Case: 1649</u></p> | <p style="text-align: right;">Date: 07/20/06 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: ASME SECTION XI
DATA-0259</p> <p>MO/CWO: 05051985000</p> <p>Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A</p> |
|--|--|

(b) Applicable Edition of Section XI Utilized 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
2" 1500# S. W. Flow Control Valve	Hammel-Dahl Conoflow	74/5797/012	N/A	3HV9362	1977	---	Yes
Valve Plug	Anchor/Darling	S/N 1, Ht. #626117	N/A	RSO-2888-92, SA479 316	1992	Installed	Yes

7. Description of Work:

Replaced the valve plug in the valve in plant location 3HV9362 with an in-kind replacement valve plug in accordance with ASME XI Data flag - 0259.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050500218-08 Pressure: ≥ 626 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.

FORM NIS-2 (back)

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

Signed:

[Handwritten Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date:

9/15/06

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 12/13/05 to 3/1/07, 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.

[Handwritten Signature]
Inspector's Signature

Commissions

N & I California 1574
National Board, State, Province, and Endorsements

Date

3/1/07

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 | Date: 01/17/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 050400049-06, GEN-239

MO/CWO: 05061474000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Containment Spray | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda</u>

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
8" 300# Flow Orifice (Flanged)	Permutit Co.	N-4102	N/A	3FE0338	N/A	Corrected	Yes
7/8" x 36" All-Thread Stud	Mackson, Inc	Ht. #AH8604	N/A	RSO-0920-03, SA564 Tp. 630 (H1100) (RoR-004-03)	N/A	Installed	No
7/8" x 36" All-Thread Stud	Mackson, Inc	Ht. #G6249	N/A	RSO-1450-03, SA564 Tp. 630 (H1100) (RoR-004-03)	N/A	Installed	No
7/8"-9 Heavy Hex Nut (24)	Mackson, Inc	Ht. #G9624, Tr. Code 150F	N/A	RSO-0934-05, SA564 Tp. 630 (H1100) (RoR-004-03)	N/A	Installed	No

7. Description of Work:

Replaced flange fasteners at 3FE0338 in accordance with ECP 050400049-8. (12) each studs were cut to 6-1/2" lengths from all-thread stock with the required markings transferred to the cut pieces in accordance with RRP GEN-239. (24) each nuts were replaced in accordance with RRP 050400049-06.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050400049-13 Pressure: ≥ 512 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.

FORM NIS-2 (back)

9. Remarks: RoR-004-03 reconciles the replacement bolting which was certified to ASME III, Class 2 (NC), 1989 Edition, No Addenda.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/18/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/16/06 to 1/18/07, 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.

[Signature] Commissions "I" & "N" California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5/07

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

Date: 01/16/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 050501637-04

MO/CWO: 05070389000

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

Expiration Date: N/A

4. Identification of System: Chemical and Volume Control

5. (a) Applicable Construction Code: Valve: ASME III-1, 1971 Ed., S.'73 Add. Install: ASME III-2, 1974 Ed., S.'74 Add. RT exam: ASME III, NC, 1992 Ed., No Add., CC: N-416-2. Body-to-bonnet seal weld: ASME III-1, 1971 Ed., S.'73 Add. PT exam: ASME III, NB, 1992 Ed., No Add., CC: N-416-2

(b) Applicable Edition of Section XI Utilized 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
2" 1513# Y-Type Check Valve	Flowserve Corp.	E-029P-1-2	N/A	S31208MU017	1999	Removed	Yes
2" 1513# Y-Type Check Valve	Flowserve Corp.	E998R-1-1	N/A	RSO-2113-02	2002	Installed	Yes

7. Description of Work:

The Charging Pump (MP192) discharge check valve installed in plant position S31208MU017 was replaced with an in-kind replacement valve in accordance with Repair Replacement Plan 050501637. Prior to installation, the replacement valve had the weld ends prepared by removal of the land such that the resultant weld ends have a bevel angle of 35 to 40 degrees. The prepared valve ends were PT examined prior to valve installation. In addition, the valve body-to-bonnet joint was seal welded.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 050501637-05

Pressure: ≥ 2330 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.

FORM NIS-2 (back)

9. Remarks: The valve is an ASME III-1 valve which is installed in an ASME III-2 system

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: 

Supervising ASME Codes Engineer

Date:

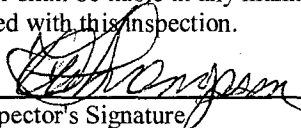
2-13-06

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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 8-15-2005 to 2-16-2006, 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

8024 N, NS, I California 1862
National Board, State, Province, and Endorsements

Date

Feb. 16, 2006

RSO. 2113.02
5

FORM NPV-1 (Back - Pg. 2 of 2)

Certificate Holder's Serial No. E998R-1-1

8. Design conditions 3631 psi 100 °F or valve pressure class 1513 (1)
(pressure) (temperature)
9. Cold working pressure 3631 psi at 100°F
10. Hydrostatic test 5450 psi. Disk differential test pressure 3994 psi
11. Remarks: 2"-1513#- Y-Piston Check Valve.

CERTIFICATION OF DESIGN

Design Specification certified by K. E. Morgan P.E. State CA Reg. no. QU004963
 Design Report certified by Theron C. Bartlett II P.E. State PA Reg. no. 039036-E

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 04/15/04
 Date 10-30-02 Name Flowserve Corporation Signed RR Decker
(N Certificate Holder) (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of ~~EXPANDED~~ Pennsylvania and employed by One Beacon America Ins. Co. of Boston, MA. have inspected the pump, or valve, described in this Data Report on 7-1-02 thru 10-30-02 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 10-30-02 Signed [Signature] Pennsylvania 2392 9
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

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 | Date: 01/03/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 050500027-30,
050500027-32, GEN-258 | |
| 3. Work Performed by: Southern California Edison Company

Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05080728001 06110722000,
06110845000

Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2 (NC), 1974 Edition, No Addenda.</u>

(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
8" 1500# Globe Valve	Target Rock	S/N 1	N/A	3HV9322	1981	Corrected	Yes

7. Description of Work:

MO 05080728001 removed the body-to-bonnet seal weld on valve 3HV9322 to support overhaul under MO 05080486001. There was damage to the body and bonnet areas when the seal weld was removed and MO 06110722 performed weld build-up on the body and bonnet to restore them to their original condition in accordance with RRP 050500027-30 and weld record WR3-06-405. Pitting was found on the disc seating surface and MO 06110845 machined the disc seat to remove the pitting in accordance with RRP 050500027-32. The body-to-bonnet seal weld was then restored on MO 05080728001 in accordance with RRP GEN-258 and SO23-I-11.1.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 050500027-28 Pressure: ≥ 521 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.

FORM NIS-2 (back)

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

Signed: _____



Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date: _____

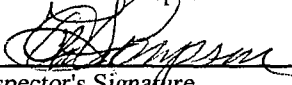
1/4/07

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 10-27-06 to 01-19-07, 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

2024 A, T, N, S California 1862
National Board, State, Province, and Endorsements

Date

Jan. 19, 2007

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|--|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Reactor Coolant</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 1, 1974 Edition, No Addenda (Valve); Class 1, 1974 Edition, Summer 1974 Addenda (Inlet Flange bolting).</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> | <p style="text-align: right;">Date: 01/25/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: ASME SECTION XI
DATA-0173</p> <p>MO/CWO: 05100856000</p> <p>Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A</p> |
|--|--|

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" Pressurizer Safety Valve	Consolidated/Dresser	BS-03210	N/A	3PSV0200	1978	Removed	Yes
6" x 8" Pressurizer Safety Valve	Consolidated/Dresser	BS-03212	N/A	RSO-1673-06, Tested Spare	1978	Installed	Yes
2" x 14-1/2" All-Thread Stud (3)	Mackson, Inc	Ht. #11505330, Ht. Code AQJ	N/A	RSO-0297-03, SA193 B7	N/A	Installed	No
2"-8 Heavy Hex Nut (6)	Mackson, Inc	Ht. #M89768, Ht. Code H003	N/A	RSO-1490-06, SA194 gr.7 (RoR-007-05)	N/A	Installed	No

7. Description of Work:

As a preventative maintenance action, the pressurizer safety valve installed in plant position 3PSV0200 was replaced with a rebuilt and tested spare valve. During installation (3) each inlet studs and (6) each inlet nuts were replaced. A VT-1 examination was performed on the replacement flange bolting with satisfactory results. The removed valve was placed into the rebuild program.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-2 performed per Procedure SO23-XVII-3.1.1** Pressure: ≥ 2250 psi Test Temp: ≥ 280 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. Remarks: RoR-007-05 reconciles the replacement nuts which were certified to ASME III-1 (NB), 1989 Edition, No Addenda.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/10/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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 | Date: 01/16/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: ASME SECTION XI
DATA-0185 | |
| 3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05100878000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Main Steam | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.</u> | | |

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0028	N/A	3PSV8401	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0014	N/A	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQQ	N/A	Fabbed on MO 04031771	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve located in plant position 3PSV8401 (s/n N58737-01-0028) was replaced as a scheduled preventative maintenance action with a spare valve (s/n N58737-01-0014) which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100604.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 060700979-18 Pressure: ≥ 991 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.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC), 1989 Ed., No Add. SEE-92-0065 allows SA 194 gr. 7 for 2H.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
Owner or Owtner'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 9/13/06 to 2/26/07, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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 | Date: 01/10/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: ASME SECTION XI
DATA-0173 | |
| 3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05100931000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Reactor Coolant | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 1, 1974 Edition, Summer 1974 Addenda</u> | | |

(b) Applicable Edition of Section XI Utilized 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" Pressurizer Safety Valve	Dresser Flow Control	BS-03211	N/A	3PSV0201	1978	Removed	Yes
6" x 8" Pressurizer Safety Valve	Dresser Flow Control	BU-06253	N/A	RSO-1673-06	1978	Installed	Yes
2" x 14 1/2" All-Thread Stud (4)	Mackson, Inc	Ht. #11505330, Ht. Code AQJ	N/A	RSO-0297-03, SA193 B7	N/A	Installed	No
2"- 8 Heavy Hex Nut (8)	Nova Machine Products	Ht. #78203, Ht. Code JBX	N/A	RSO-0056-99, SA194 Gr.7	N/A	Installed	No

7. Description of Work:

The pressurizer safety valve was replaced for preventative maintenance action with a rebuilt and tested spare valve. During installation (4) each inlet studs and (8) each inlet nuts were replaced. A VT-1 examination was performed on the replacement flange bolting with satisfactory results. The removed valve was placed into the rebuild program.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-2 performed per Procedure SO23-XVII-3.1.1 Pressure: ≥ 2250 psi Test Temp: ≥ 280 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. 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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/18/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/10/06 to 1/18/07, 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.

[Signature] Commissions N# I California 1974
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5/07

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 | Date: 01/09/07 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Unit: 3 | Repair/Replacement Plan: ASME SECTION XI
DATA-0188 |
| 3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 05100992000 | Type Code Symbol Stamp: N/A |
| 4. Identification of System: Main Steam | Authorization No: N/A | Expiration Date: N/A |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda</u> | | |

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0025	N/A	3PSV8404	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0005	N/A	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQG	N/A	RSO-1025-04, SA193 B7 (RoR-002-03)	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve in plant location 3PSV8404 was replaced as a scheduled preventative maintenance action with a spare valve which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100606.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-19

Pressure: ≥ 991 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.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC), 1989 Ed., 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 that this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorizatoin No: N/A

Expiration Date: N/A

Signed: _____

[Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date: 1/10/07

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 9/5/06 to 1/10/07, 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.

[Signature]
Inspector's Signature

Commissions

N#I California 1574
National Board, State, Province, and Endorsements

Date

2/9/07

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

Date: 01/29/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: ASME SECTION XI
 DATA-0189

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 05101004000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Main Steam

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0032	N/A	3PSV8405	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0008	1177	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQQ	N/A	Fabbed on MO 04031771	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve located in plant position 3PSV8405 (s/n N58737-01-0032) was replaced as a scheduled preventative maintenance action with a spare valve (s/n N58737-01-0008) which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100608.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-20

Pressure: ≥ 991 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.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC), 1989 Ed., No Add. SEE-92-0065 allows SA 194 gr. 7 for 2H.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/13/06 to 2/26/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 01/29/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
DATA-0187

MO/CWO: 05101066000

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

4. Identification of System: Main Steam

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0029	N/A	3PSV8412	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0018	1181	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQQ	N/A	Fabbed on MO 04031771	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve located in plant position 3PSV8412 (s/n N58737-01-0029) was replaced as a scheduled preventative maintenance action with a spare valve (s/n N58737-01-0018) which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100611.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-21

Pressure: ≥ 989 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.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC) , 1989 Ed., No Add. SEE-92-0065 allows SA 194 gr. 7 for 2H.

(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

Signed:  Supervising ASME Codes Engineer Date: 2/6/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 9/13/06 to 2/26/07, 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 N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 02/06/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
DATA-0188

MO/CWO: 05101072000

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

4. Identification of System: Main Steam

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0022	N/A	3PSV8413	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0013	1179	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQQ	N/A	Fabbed on MO 04031771	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve located in plant position 3PSV8413 (s/n N58737-01-0022) was replaced as a scheduled preventative maintenance action with a spare valve (s/n N58737-01-0013) which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100614.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-22

Pressure: ≥ 989 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 A.I.A.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC) , 1989 Ed., No Add. SEE-92-0065 allows SA 194 gr. 7 for 2H.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/13/06 to 2/26/07, 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.

[Signature] Commissions N#I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 01/29/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
DATA-0193

MO/CWO: 05101100000

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

4. Identification of System: Main Steam

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0033	N/A	3PSV8418	1977	Removed	Yes
6" x 10" Main Steam Safety Valve	Crosby Valve & Gage	N58737-01-0012	1178	RSO-1620-06	1976	Installed	Yes
1 3/8" x 9-5/8" Inlet Stud (12)	Mackson, Inc	Ht. #11503850, Ht. Code AQQ	N/A	Fabbed on MO 04031771	N/A	Installed	No
1 3/8"-8 Heavy Hex Nut (12)	Mackson, Inc	Ht. #60344, Ht. Code S396	N/A	RSO-1092-05, SA194 Gr.7 (RoR-012-03, SEE-92-0065)	N/A	Installed	No

7. Description of Work:

The main steam safety valve located in plant position 3PSV8418 (s/n N58737-01-0033) was replaced as a scheduled preventative maintenance action with a spare valve (s/n N58737-01-0012) which had been returned to the vendor for rework and testing. The inlet bolting was also replaced. (12) each studs and (12) each nuts were replaced (the studs were manufactured on MO 04031771). The removed valve was placed into the rebuild program to be rebuilt under MO 06100615.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-23

Pressure: ≥ 989 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.

FORM NIS-2 (back)

9. Remarks: RoR-012-03 reconciles the replacement nuts which were certified to ASME III-2 (NC) , 1989 Ed., No Add. SEE-92-0065 allows SA194 gr. 7 for 2H.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCU of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 9/2/06 9/13/06 to 2/27/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 08/07/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 051100503-67

MO/CWO: 06030522000

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

Expiration Date: N/A

4. Identification of System: Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, NB (Class 1), 1971 Edition, Summer 1971 Addenda.

(b) Applicable Edition of Section XI Utilized 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
Pressurizer Vessel	CE	70603	21496	S31201ME087	1977	---	Yes

7. Description of Work:

MO 06030522 cut 12 additional holes in the U3 Pressurizer Vessel skirt per ECP 051100503-66 to facilitate cooling of heater receptacles. Material is SA-516 grade 70, 1-3/8" thick. Centerline of new holes is 32-1/4" from the bottom face of base ring and 8-3/4" from the centerlines of existing 6" diameter holes. The circumferential locations of the new 4-1/2" holes straddle the existing 6" diameter holes and are 30 degrees apart. This activity is an ASME XI Repair/Replacement Activity because the the skirt is considered a support.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/5/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|--|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Welding Services, Inc.
Address: 2225 Skyland Court, Norcross, GA 30071</p> <p>4. Identification of System: Reactor Coolant</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, NB, 1971 Edition, Summer 1971 Addenda, Code Case: N-474-2 (for alloy 690 nozzle material).</u>
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> <p>6. Identification of Components:</p> | <p>Date: 08/10/06 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: 023-06</p> <p>MO/CWO: 06030782000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> |
|--|--|

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
Pressurizer	CE	70603	21496	S31201ME087	1977	---	Yes
Lower level instrument nozzle	SCE	S/N 06040234-1	N/A	3LT-0110-1 S31201MR041 S31201ML320	N/A	Installed	No
Lower level instrument nozzle	SCE	S/N 06040316-1	N/A	3LT-0110-2 S31201MR039 S31201ML319	N/A	Installed	No
Nozzle Insert Assembly	SCE	S/N CD756	N/A	3LT0110-1, root valve S31201MR041	N/A	Installed	No
Nozzle Insert Assembly	SCE	S/N BQ461	N/A	3LT0110-2, root valve S31201MR039	N/A	Installed	No

7. Description of Work:

This work scope included removal of a portion of the existing Lower Level Vessel Nozzles, welding/NDE of external temper bead weld pads, machining a J-groove weld prep in the pads for the new vessel nozzle attachment welds and re-installation of the existing nozzle insert assemblies at instrument locations 3LT-0110-1 and 3LT-0110-2 on the SONGS Unit 3 Pressurizer. The field installation work scope was performed by Welding Services, Inc. (WSI) and was performed in accordance with WSI's QA and welding programs and Edison's ASME Section XI Program. Weld filler material for this scope was provided by WSI. The work was implemented by the following documents: RRP 023-06, WSI Traveler 101662-200 and CWO 06030782.

Note: See work orders 06040216, 06040234 and 06040316 for fabrication of instrument nozzles 3LT-0110-1 & 3LT-0110-2. Fabrication was per drawing 41116, Sh 1 and drawing 41116, Sh 8. All new materials were used. Work order 06040063 remachined both nozzle insert weld preps that are attached to the vessel nozzle. See dwg 41116, Sh 2 "Pressurizer Lower Level Instrumentation Nozzle and Insert Assembly, Type 1" for insert details and ISO S3-1201-ML-319 and S3-1201-ML-320 for details downstream of insert.

Reference Documents:

- 41011, Sh 7 & 8, Lower Head Level Nozzle Weld Pad/Half-Nozzle Dwg, 3LT0110-1 and 3LT-0110-2.
- SO23-919-131, Bottom Head Welding & Machining Dwg.
- 41116, Sh 8, Lower Level and Temperature Instrument Nozzles.
- S3-1201-ML-320, ISO, 3LT0110-1; S3-1201-ML-319, ISO, 3LT0110-2.
- NRC Relief Request for alternative Repairs: ISI-3-16 (ASME XI Code Case N-638-1, Ambient Temper Bead Weld Repair).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060400696-06

Pressure: ≥ 2244 psi Test Temp: ≥ 338 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. 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

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/9/06 to 9/15/06, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/20/06

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
4. Identification of System: Reactor Coolant
5. (a) Applicable Construction Code: ASME Section III, NB (Class 1), 1971 Edition, Summer 1971 Addenda.

Date: 08/21/06 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: 051100503-83

MO/CWO: 06040063000 06040060000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
Pressurizer Vessel	CE	70603	21496	S31201ME087	1977	---	Yes
MNSA Clamp for Nozzles	SCE	3LT-0110-1, -2	N/A	UNIT 3 MNSA CLAMPS	N/A	Removed	No
Nozzle Insert Assembly	SCE	S/N CD756 (valve)	N/A	3LT0110-1, root valve S31201MR041	N/A	Re-installed	--
Nozzle Insert Assembly	SCE	S/N BQ461 (valve)	N/A	3LT0110-2, root valve S31201MR039	N/A	Re-installed	--

7. Description of Work:

The MNSA clamps at the 3LT0110-1 and 3LT0110-2 locations were permanently removed and scrapped per MO 06040060. In accordance with RRP 051100503-83 and per MO 06040063, the existing root valve nozzle insert assemblies were removed from the pressurizer lower level instrument locations 3LT-0110-1 & 2, by carefully cutting the nozzle insert/vessel nozzle attachment welds. The nozzle insert assemblies include N-Stamped root valves and NPT Stamped flexhoses on downstream end, were re-installed per CWO 06030782/WSI Traveler 101662-200 after a new alloy 690 vessel nozzle had been installed at these locations. This work scope re-machined the weld prep that attaches to the vessel nozzle, inspected the nozzle dimensionally and performed a PT examination of the newly machined area (ref: 3PT-004-06). A System Leakage Test and VT-2 examination was performed on the installation CWO.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatn No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/8/06 to 3/1/07, 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.

Howard D. Gaston Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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, California 91770 | Date: 08/10/06
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 026-06 R1

MO/CWO: 06040066000 | |
| 3. Work Performed by: Welding Services, Inc.
Address: 2225 Skyland Court, Norcross, GA 30071 | Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 4. Identification of System: Reactor Coolant | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, NB, 1971 Edition, Summer 1971 Addenda, Code Case: N-474-2 (for alloy 690 nozzle material).</u> | | |

(b) Applicable Edition of Section XI Utilized 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
Pressurizer Vessel	CE	CE70603	21496	S31201ME087	1977	---	Yes
Inconel 690 Temperature Nozzle	SCE	S/N 06040317-1	N/A	3TE0101	N/A	Installed	No
Inconel 690 Thermowell	SCE	S/N 06040307-1	N/A	3TE0101	N/A	Installed	No

7. Description of Work:

This work scope included removal of a portion of the existing Lower Shell Temperature Nozzle, welding/NDE of an external temper bead F43 weld pad, machining a j-groove weld prep in the pad for a new alloy 690 temperature nozzle attachment weld and and installation of new alloy 690 thermowell at location for instrument nozzle 3TE-0101 of the SONGS Unit 3 Pressurizer. The work was performed by Welding Services Inc (WSI) and performed in accordance with WSI's QA and welding programs and Edison's ASME Section XI Program. Weld filler material was supplied by WSI. Reference: WSI Traveller No. 101662-300.

Note: Temperature nozzle fabricated on CWO 06040220 and CWO 06040317. Thermowell fabricated on CWO 06040131 and CWO 06040307.

Reference Documents:

- SO23-919-128, Vessel Welding & Machining
- SO23-919-103, Vessel Assembly
- SO23-411-57-5, Lower Shell Temperature Nozzle Weld Pad Detail
- 41116, Sh 8, Pressurizer Temperature Nozzle, Type II Detail
- SO23-924-524, Thermowell,
- NRC Request for Alternative Repairs, ISI-3-19, (ASME XI Code Case N-638-1, Ambient Temper Bead Weld Repair).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060301822-39

Pressure: ≥ 2244 psi Test Temp: ≥ 338 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. 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 Authorizatn No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut, have inspected the components described in this Owner's Report during the period 4/9/06 to 9/15/06, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 12/20/06

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 | Date: 08/04/06
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 024-06 R1
MO/CWO: 06040131000 06040307001 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Reactor Coolant | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 1 (NB), 1971 Ed., S.'71 Add., Code Case: N-474-2 (design); Class 1 (NB), 1989 Ed., No Add. (material).</u> | | |

(b) Applicable Edition of Section XI Utilized 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
Pressurizer	CE	70603	21496	S31201ME087	1977	---	Yes
INCONEL 690 Bar Stock	Special Metals Corp.	Ht. #NX4417HK, Lot #13	N/A	RSO-0050-05, 3TE0101, S/N 06040307-1	N/A	---	No

7. Description of Work:

Machine fabricated replacement thermowell for the 3TE0101 instrument location (U3 Pressurizer) per ECN A42786. MO 04060131 cut (6) each pieces of INCONEL stock to 22" lengths, rough machined, vibro etched identification markings on each piece and the pieces were then shipped to a vendor (Thompson Gun Drilling, Inc) for gun drilling and finishing of the bores. Dimensional inspections were then performed on the vendor's work of the (6) each returned pieces in accordance with RRP 024-06 Rev. 1. MO 06040307 performed final machining on one of the drilled pieces, performed NDE on the finished piece and serialized the piece (s/n 06040307-1).

Note: 1 of the 6 pieces was completed and serialized and the remaining 5 pieces are in the SONGS South Yard facility SR storage. One of the pieces will be final machined, serialized and stored as a spare in accordance with MO 06041224.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatn No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 4/7/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date March 1, 2007

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 Date: 08/02/06 Sheet 1 of 1
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Unit: 3
2. Plant: San Onofre Nuclear Generating Station Repair/Replacement Plan: 031-06
 Address: P.O. Box 128, San Clemente, California 92674-0128 MO/CWO: 06040216000 06040234000,
06040316000
3. Work Performed by: Southern California Edison Company Type Code Symbol Stamp: N/A
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Authorization No: N/A
Expiration Date: N/A
4. Identification of System: Reactor Coolant
5. (a) Applicable Construction Code: ASME Section III, Class 1 (NB), 1971 Ed., S.'71 Add., Code Case: N-474-2 (design);
Class 1 (NB), 1989 Ed., No Add. (material).
- (b) Applicable Edition of Section XI Utilized 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
Pressurizer	CE	70603	21496	S31201ME087	1977	---	Yes
INCONEL 690 Bar Stock	Special Metals Corp.	Ht. #NX3189HK, Lot #11	N/A	RSO-1778-03, 3LT0110-1, S/N 06040234-1	N/A	---	No
INCONEL 690 Bar Stock	Special Metals Corp.	Ht. #NX3189HK, Lot #11	N/A	RSO-1778-03, 3LT0110-2, S/N 06040316-1	N/A	---	No

7. Description of Work:

Machine fabricated replacement vessel nozzles for the 3LT0110-1 and 3LT0110-2 locations (U3 Pressurizer) per drawing 41116, Sh 1 and drawing 41116, Sh 8. MO 04060216 cut (4) each pieces of INCONEL stock to 6" lengths, rough machined, vibro etched identification markings on each piece and the pieces were then shipped to a vendor (Thompson Gun Drilling, Inc) for gun drilling and finishing of the bores. Dimensional inspections were then performed on the vendor's work of the (3) each returned pieces in accordance with RRP 031-06. MO 06040234 and MO 06040316 performed final machining on one of the drilled pieces for each vessel nozzle location, performed NDE on the finished pieces and serialized each piece (s/n 06040234-1/ 3LT0110-1 and s/n 06040316-1/ 3LT0110-2).

Note 1: 4 pieces sent to vendor but only 3 pieces returned (1 piece was mis-machined and scrapped). 2 of the 3 pieces were completed and serialized and the remaining piece is in the SONGS South Yard facility SR storage.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- Pressure: N/A psi Test Temp: N/A °F

FORM NIS-2 (back)

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 Authorization No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/10/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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 | Date: 08/04/06
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 030-06 R1
MO/CWO: 06040220000 06040317000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Reactor Coolant | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 1 (NB), 1971 Ed., S.'71 Add., Code Case: N-474-2 (design); Class 1 (NB), 1989 Ed., No Add. (material).</u> | | |

(b) Applicable Edition of Section XI Utilized 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
Pressurizer	CE	70603	21496	S31201ME087	1977	---	Yes
INCONEL 690 Bar Stock	Special Metals Corp.	Ht. #NX4417HK, Lot #12	N/A	RSO-0050-05, 3TE0101, S/N 06040317-1	N/A	---	No

7. Description of Work:

Machine fabricated replacement vessel nozzle for the 3TE0101 location (U3 Pressurizer) per drawing 41116, Sh 8 and drawing 41116, Sh 1. MO 04060220 cut (4) each pieces of INCONEL stock to 16" lengths, rough machined, vibro etched identification markings on each piece and the pieces were then shipped to a vendor (Thompson Gun Drilling, Inc) for gun drilling and finishing of the bores. Dimensional inspections were then performed on the vendor's work of the (3) each returned pieces in accordance with RRP 030-06. MO 06040317 performed final machining on one of the drilled pieces, performed NDE on the finished piece and serialized the piece (s/n 06040317-1).

Note: 4 pieces sent to vendor but only 3 pieces returned (1 piece was mis-machined and scrapped). 1 of the 3 pieces was completed and serialized and the remaining pieces are in the SONGS South Yard facility SR storage.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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

Signed: [Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer Date: 9/15/06

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 4/10/06 to 3/1/07, 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.

[Signature]
Inspector's Signature

Commissions N & I California 1574
National Board, State, Province, and Endorsements

Date March 1, 2007

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

Date: 07/21/06

Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: ASME SECTION XI
DATA-0085

MO/CWO: 06040518000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

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

4. Identification of System: Auxiliary Feedwater System

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

(b) Applicable Edition of Section XI Utilized 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
4" 900# Y-Globe Lift Check Valve	Atwood & Morrill	3-16188-01	N/A	S31305MU124	1991	Corrected	Yes
Poppet	Weir Valves & Controls	S/N 3, Ht. #72086	N/A	RSO-0748-06, SA479 304	N/A	Installed	Yes

7. Description of Work:

Replaced poppet in the check valve in plant location S31305MU124 with one made of solid SA479 -304 stainless steel in accordance with ECP 060400097-27.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060400097-43

Pressure: ≥ 1006 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.

FORM NIS-2 (back)

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 Authorization No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 4/10/06 to 3/1/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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

Date: 07/21/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI
 DATA-0085

MO/CWO: 06040520000

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

Expiration Date: N/A

4. Identification of System: Auxiliary Feedwater System

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

(b) Applicable Edition of Section XI Utilized 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
4" 900# Y-Globe Lift Check Valve	Atwood & Morrill	4-16188-01	N/A	S31305MU448	1991	Corrected	Yes
Poppet	Weir Valves & Controls	S/N 5, Ht. #72086	N/A	RSO-0748-06, SA479 304	N/A	Installed	Yes

7. Description of Work:

Replaced poppet in the check valve in plant location S31305MU448 with one made of solid SA479 -304 stainless steel in accordance with ECP 060400097-27.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060400097-42

Pressure: ≥ 1009 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.

FORM NIS-2 (back)

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 Authorization No: N/A

Expiration Date: N/A

Signed: [Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer Date: 9/15/06

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 4/10/06 to 3/1/07, 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.

[Signature]
Inspector's Signature

Commissions N & I California 1574
National Board, State, Province, and Endorsements

Date 3/1/07

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 **Date:** 8/4/06 **Sheet 1 of 2**
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770 **Unit:** 3
2. **Plant:** San Onofre Nuclear Generating Station **Repair/Replacement Plans:**
Address: P.O. Box 128, San Clemente, CA 92672-0128 033-06 (Replacement Heaters)
 034-06 (Pen. F4 Cap)
3. **Work Performed by:** Welding Services, Inc. **MO/CWO:** 06040640000
Address: 2225 Skyland Court, Norcross, GA 30071
4. **Identification of System:** Reactor Coolant System
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A
5. (a) **Applicable Construction Code:** (original vessel code) ASME III, Class NB, 1971 Edition, Summer 1971 Addenda; (Heaters) ASME III, NB, 1986 Edition, No Addenda and Code Case N-405-1 (end plug weld design), Subsection NH, 1998 Edition (elevated temperature service), (Cap) ASME III, NB, 1989 Edition, No Addenda and Code Case N-474-2.
- (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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Pressurizer Vessel	Combustion Engineering	CE 70603	21496	S31201ME087	1977	See Description of Work below	Yes

7. **Description of Work:** Installed replacement heaters in 25 of the 30 heater sleeve locations on the Pressurizer Vessel. One additional location (penetration F4, S31201ME610) had a specially designed socket weld cap installed on the end of the sleeve due to the remnant of a stuck heater (the cap was fabricated on MO 06041131, RRP 032-06). Welding Services, Inc. (WSI) performed this work scope in accordance with WSI's QA and welding programs and Edison's ASME Section XI Program. Weld filler material was supplied by WSI.

Documentation for the replacement items is contained in the following RSO packages: Heater Sleeve Cap: Ht.#NX0264HG1, RSO-1360-97; Heaters: RSO 0053-06 and RSO 0707-06.

Design Documents/Drawings:

ECP 05090024-16
 SO23-919-02, Heater Design Specification
 48778 (ECN A43074) Heater Map
 SO23-919-86, Sht 1, (ECN A42426), Heater Arrangement
 SO23-919-2-D58, Heater
 41109, Sh 1 (ECN A42891), Heater Fit-Up/Installation

8. **Tests Conducted:** Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 050801538-33 Pressure: ≥ 2244 psi Test Temp: ≥ 338 °F

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

FORM NIS-2 (back)

9. 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 9/15/06
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/21/06 to 9/15/06, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature (National Board, State, Province, and Endorsements)

Date 12/20/06

SUPPLEMENTAL SHEET TO NIS-2 FORM

1. **Owner:** Southern California Edison Company **Date:** 8/4/06 **Sheet 2 of 2**
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770 **Unit:** 3
2. **Plant:** San Onofre Nuclear Generating Station **Repair/Replacement Plans:**
Address: P.O. Box 128, San Clemente, CA 92672-0128 033-06 (Replacement Heaters)
 034-06 (Pen. F4 Cap)
3. **Work Performed by:** Welding Services, Inc. **MO/CWO:** 06040640000
Address: 2225 Skyland Court, Norcross, GA 30071
4. **Identification of System:** Reactor Coolant System
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A
5. (a) **Applicable Construction Code:** (original vessel code) ASME III, Class NB, 1971 Edition, Summer 1971 Addenda; (Heaters) ASME III, NB, 1986 Edition, No Addenda and Code Case N-405-1 (end plug weld design), Subsection NH, 1998 Edition (elevated temperature service), (Cap) ASME III, NB, 1989 Edition, No Addenda and Code Case N-474-2.

(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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Pressurizer Vessel	Combustion Engineering	CE 70603	21496	S31201ME087	1977	See Description of Work below	Yes

PLANT EQUIPMENT/REPAIR DOCUMENT CROSS REFERENCE

Pen No	Heater Equip ID S31201-	Heater Serial No.	WSI Traveler No	Pen No	Heater Equip ID S31201-	Heater Serial No.	WSI Traveler No
A1	ME624	214	101662-400	F1	ME626	249	101662-400
A2	ME621	248	101662-400	F2	ME630	251	101662-400
A3	ME613	257	101662-400	F3	ME618	256	101662-400
A4	ME609	207	101662-400	F4	ME610	SW Cap	101662-500
B1	ME629	253	101662-400	G1	ME623	250	101662-400
B2	ME617	254	101662-400	G2	ME622	228	101662-400
C2	ME619	247	101662-400	G3	ME614	225	101662-400
C3	ME611	203	101662-400	G4	ME607	237	101662-400
C4	ME615	236	101662-400	H1	ME625	226	101662-400
D1	ME604	252	101662-400	H3	ME612	244	101662-400
D4	ME601	224	101662-400	H4	ME608	223	101662-400
E1	ME605	242	101662-400	J1	ME628	255	101662-400
E2	ME602	238	101662-400	J2	ME616	230	101662-400

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

9/15/06
12/20/06

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

Date: 08/10/06

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 060301822-32

MO/CWO: 06040817000

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

4. Identification of System: Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, NB (Class 1), 1971 Edition, Summer 1971 Addenda

(b) Applicable Edition of Section XI Utilized 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
Pressurizer Vessel	CE	70603	21496	S31201ME087	1977	---	Yes
Temperature Instrument	SCE	---	N/A	3TE0101	N/A	Corrected	No

7. Description of Work:

During half-nozzle repairs at the 3TE0101 location, a gouged area was identified in the (welded) reinforcement pad and was determined to be a pre-existing condition. The gouged area was blended and then examined with PT/MT and verified to be free of defects. The welded reinforcement pad is shown on CE Dwg SO23-919-128, Detail "E". The pad is 6-1/2" minimum diameter on the face and is reported as having an actual thickness of 1-3/8". The gouged area was blended to a 3:1 maximum slope by grinding and flapper wheel to remove sharp edges and abrupt transitions. The 1/2 radius specified on the CE Dwg at the pad base to vessel shell transition was maintained. This work scope was performed in accordance with RRP 060301822-32.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed:

[Signature]
Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date: 9/15/06

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 4/14/06 to 3/1/07, 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.

[Signature]
Inspector's Signature

Commissions

N & I

California

1574

National Board, State, Province, and Endorsements

Date

3/1/07

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 | Date: 04/26/06
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 032-06
MO/CWO: 06041131000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Reactor Coolant | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 1, 1971 Edition, Summer 1971 Addenda, Code Case: N474-2 (Design); ASME Section III, Class 1, 1989 Edition, No Addenda, (Material).</u> | | |

(b) Applicable Edition of Section XI Utilized 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
Pressurizer Heater Sleeve Cap (SW)	Edison	06041131	N/A	RSO-1360-97, Ht. #NX0264HG1, Lot #135888	N/A	---	No

7. Description of Work:

A Pressurizer Heater Sleeve Socket Weld Cap was machined from SB-166, alloy N06690 bar stock per drawing attached to RRP 032-06. The thermally treated alloy N06690 bar stock was purchased per Edison Specification SO23-411-56 and was certified as meeting ASME III, NB, 1989 Edition, No Addenda. After completion of machining, a PT examination was performed on all surfaces using ASME III, NB-2546 acceptance criteria (reference NDE Report #3PT-007-06).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: This cap is intended for installation on Unit 3 Pressurizer at penetration F4 (S31201ME610).

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: Robert G Sears Supervising ASME Codes Engineer Date: 7-10-2006
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 4/18/06 to 7/5/06, 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.

Howard D. Masters Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date Dec 18, 2006

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

Date: 01/18/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 051001333-52

MO/CWO: 06050712000

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

Expiration Date: N/A

4. Identification of System: Reactor Coolant

5. (a) Applicable Construction Code: ASME Section III, Class I(NB), 1977 Edition, Winter 1979 Addenda

(b) Applicable Edition of Section XI Utilized 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
Reactor Vessel	CE	72170	22001	S31101MV001A	1977	---	Yes
Instrument Flange Adapter Hub #95	Westinghouse	S/N 4, Ht. #74806	N/A	RSO-2858-03, SA479 Tp. 316	N/A	Installed	No
Instrument Flange Adapter Hub #97	Westinghouse	Ht. #238118, Tr. #24988	N/A	RSO-1932-05, SA479 Tp. 316	N/A	Installed	No
Instrument Flange Adapter Hub #100	Westinghouse	S/N 4, Ht. #72557	N/A	RSO-2350-02, SA182 F316 (RoR-005-03)	N/A	Installed	No
Instrument Flange Adapter Hub #101	Westinghouse	S/N 3, Ht. #74806	N/A	RSO-2858-03, SA479 Tp. 316	N/A	Installed	No

7. Description of Work:

Replaced the existing instrument flange adapter hubs on penetrations #95, #97, #100 and #101 in accordance with RRP 051001333-52. The replacement hubs for penetrations #95 and #101 are a 5-hole configuration (removed hubs were 6-hole). The replacement hub for penetration #97 was changed from 5-hole to 4-hole and the replacement hub for penetration #100 was returned to the OEM 6-hole configuration. All of the removed hubs were scrapped.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

VT-2 performed per Procedure SO23-XVII-3.1.1 Pressure: ≥ 2250 psi Test Temp: ≥ 280 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. Remarks: RoR-005-03 reconciles the replacement hub #100 which was certified to ASME III-1 (NB), 1983 Edition, Summer 1984 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/13/06 to 3/1/07, 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.

[Signature] Commissions NET California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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 | Date: 01/04/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 060500441-05

MO/CWO: 06051260000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>(Valve) ASME Section III, Class 1, 1971 Ed., S'73 Add.; (Piping welds) ASME III, Class 2, 1974 Edition, S.'74 addenda for upstream weld. ASME III, Class 1, 1974 Edition, S. '74 addenda for downstream weld.</u>
(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
3" 1500# Tilting Disc Check Valve	Anchor/Darling	IN-201	N/A	S31204MU019	1976	Removed	Yes
3" 1500# Tilting Disc Check Valve	Flowsolve	AW405	N/A	RSO-2307-04	2004	Installed	Yes

7. Description of Work:

Replaced check valve S31204MU019 in accordance with ECP 030101622-9 and RRP 060500441-05.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060500441-10

Pressure: ≥ 1447 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/16/06 to 1/10/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

FORM NPV-1 (Back-Pg. 2 of 2)

Certificate Holder's Serial No. AW405

8. Design conditions 2580 psi 650 °F or valve pressure class 1500
(pressure) (temperature)

9. Cold working pressure 3600 psi at 100 °F

10. Hydrostatic test 5400 psi. Disk Differential test pressure 3975 psi.

11. Remarks: Nuclear check valve. Gasket Retainer material SA182, F316 - heat code - 72240-94; Stud material heat Code - K12; Nut material heat code - 44-2; Hinge pin cover material SA182, F316 - heat code - A13893.

S. O. 27739

CERTIFICATION OF DESIGN

Design specification certified by Kenneth E. Morgan P.E. State CA Reg. no. QU004963
Design Report certified by Ronald S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1.,

N Certificate of Authorization No. N-1562 Expires Nov. 26, 2006

Date 9-3-04 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford Connecticut have inspected the pump, or valve, described in this Data Report on 9 13 104, and state that, to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III, Div. 1.

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

Date 9 13 104
Signed [Signature] Commissions NC1421
(Inspector) (Nat'l Bd., State, Prov. and No.)

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

Date: 01/03/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: ASME SECTION XI

DATA-0205

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06051264000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Chemical and Volume Control

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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
3" x 4" Relief Valve	Crosby Valve & Gage	N59379-00-0002	N/A	3PSV9220	1978	Removed	Yes
3" x 4" Relief Valve	Crosby Valve & Gage	N59379-00-0003	N/A	Rebuilt under MO 02070754	1978	Installed	Yes

7. Description of Work:

Replaced the relief valve in plant location 3PSV9220 with an in-kind rebuilt and tested spare valve. The replacement valve was rebuilt under MO 02070754. The removed valve was bench tested and sent to the SONGS rebuild program.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 060700979-03

Pressure: ≥ 23.5 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 06-21-06 to 01-18-07, 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.

[Signature] Commissions 2024 T.N. NIS California 1862
Inspector's Signature National Board, State, Province, and Endorsements

Date Jan. 18, 2007

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 Date: 01/04/07 Sheet 1 of 1
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Unit: 3
2. Plant: San Onofre Nuclear Generating Station Repair/Replacement Plan: 060301864-04
 Address: P.O. Box 128, San Clemente, California 92674-0128
3. Work Performed by: Southern California Edison Company MO/CWO: 06060054000
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 Type Code Symbol Stamp: N/A
 Authorization No: N/A
4. Identification of System: Chemical and Volume Control Expiration Date: N/A
5. (a) Applicable Construction Code: ASME Section III, Class 1 (NB), 1971 Edition, Summer 1973 Addenda and Design Specification SO23-408-1.
- (b) Applicable Edition of Section XI Utilized 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
2" 1513# Y-Type Check Valve	BW/IP International	97ZV1146	N/A	S31208MU067	1998	Corrected	Yes

7. Description of Work:

Removed and rewelded the body-to-bonnet seal weld for discharge check valve (s/n 97ZV1146) in plant location S31208MU067 in accordance with weld record WR3-06-181 and RRP 060301864-04. NDE examination 3PT-023-06 was performed on seal weld removal areas with satisfactory results and 3PT-024-06 was performed on the completed seal weld with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: This is an ASME Code Class 1 valve installed in Code Class 2 (NC) application.

(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

Signed: [Signature]

Owner or Owner's Designee, Title

Supervising ASME Codes Engineer

Date: 1/10/07

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 07-05-06 to 01-18-07, 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 [Signature]

Commissions

NB-2074 NS-1E California 1862
National Board, State, Province, and Endorsements

Date Jan. 18, 2007

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 **Date:** 2/28/07 **Sheet 1 of 2**
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770

Unit: 3

2. **Plant:** Welding Services, Inc.
Address: 2225 Skyland Court, Norcross, GA 30071

Repair/Replacement Plan:
 039-06, 040-06, 041-06, 042-06 (Temper Bead Structural Weld Overlay); 046-06, 047-06, 048-06 (Safety Valve Nozzle Base Metal Repair)

3. **Work Performed by:** Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770

4. **Identification of System:** Reactor Coolant System (1201)

MO/CWO: 06061703000

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

5. (a) **Applicable Construction Code:** ASME Section III, Class 1, 1971 Edition, Summer 1971 Addenda (vessel)

(b) **Applicable Edition of Section XI Utilized for Repairs/Replacement Activity:** 1995 Edition; 1996 Addenda: Code Case N638-1 and N504-2/ Relief Request ISI-3-24; Pressure testing performed per IWA-4540, 1998 Edition, 2000 Addenda.

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Pressurizer Vessel	CE	CE 70603	21496	S31201ME087	1976	See Description of Work below	Yes

7. **Description of Work:**

During U3C14 outage as part of the industry effort to mitigate the potential for cracking of the Unit 3 Pressurizer dissimilar welds, SONGS applied structural weld overlays to its Pressurizer nozzles during scheduled refueling outage. The preemptive weld overlays were successfully applied on the two active safety valve nozzles, the spare safety valve nozzle, and the spray line nozzle. The dissimilar metal welds subject to PWSCC, are ASME Code Class 1, located within the steam space environment of the Pressurizer.

- Safety Relief Nozzle ISI Identification Number (03-005-027)
- Safety Relief Nozzle ISI Identification Number (03-005-029)
- Spare Relief Nozzle ISI Identification Number (03-005-028)
- Spray Nozzle ISI Identification Number (03-005-030)

The structural weld overlay has been deposited with Inconel alloy (N06054), (ERNiCrFe-7a) filler material using the ambient temper bead installation of the weld metal overlay which is resistant to both crack initiation and propagation. This base metal repair was performed and completed under the ASME Section XI program. The structural weld overlay is installed to remain in place for the design life of the repair that is defined by the evaluation.

Note: Pressure Testing/VT-2 performed per procedure SO23-XVII-3.1.1.

8. **Tests Conducted:** Hydrostatic: Pneumatic: Nominal Operating Pressure: Exempt: Other:
Pressure: >= 2250 psi **Test Temp:** >= 280 °F

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

FORM NIS-2 (back)

9. **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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorization No: N/A

Expiration Date: N/A

Signed: 

Supervising ASME Codes Engineer

Date: 2/28/07

Owner or Owner's Designee, Title

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/19/06 to 3/1/07, 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.

Sheward D. Shostem

Inspector's Signature

Commissions: N # I

California 1574

(National Board, State, Province, and Endorsements)

Date 3/1/07

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.

SUPPLEMENTAL SHEET TO NIS-2 FORM

1. **Owner:** Southern California Edison Company **Date:** 2/28/07
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770 **Unit:** 3
2. **Plant:** Welding Services, Inc. **Repair/Replacement Plan:**
Address: 2225 Skyland Court, Norcross, GA 30071 039-06, 040-06, 041-06, 042-06 (Temper Bead
 Structural Weld Overlay); 046-06, 047-06,
 048-06 (Safety Valve Nozzle Base Metal
 Repair)
3. **Work Performed by:** Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770
4. **Identification of System:** Reactor Coolant System (1201) **MO/CWO:** 06061703000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A
5. (a) **Applicable Construction Code:** ASME Section III, Class 1, 1971 Edition, Summer 1971 Addenda (vessel)
 (b) **Applicable Edition of Section XI Utilized for Repairs/Replacement Activity:** 1995 Edition; 1996 Addenda;
 Code Case N638-1 and N504-2/ Relief Request ISI-3-24; Pressure testing performed per IWA-4540, 1998
 Edition, 2000 Addenda .

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Pressurizer Vessel	CE	CE 70603	21496	S31201ME087	1976	See Description of Work below	Yes

7. **Description of Work Continued from Page 1:**

Design Documents/Drawings: ECP 050701323
 (03-005-027) WSI Traveler Numbers: 102987-001, 102987-002, 102987-008, 102987-010; Weld Data Sheets: OVL-027.
 (03-005-028) WSI Traveler Numbers: 102987-001, 102987-002, 102987-008, 102987-009; Weld Data Sheets: OVL-028.
 (03-005-029) WSI Traveler Numbers: 102987-001, 102987-002, 102987-008, 102987-010; Weld Data Sheets: OVL-029.
 (03-005-030) WSI Traveler Numbers: 102987-001, 102987-003; Weld Data Sheets: OVL-030.
Reference Documents: Relief Request ISI-3-24, Code Case: N638-1 and N504-2.

[Handwritten Signature] 2/28/07
[Handwritten Signature] 3/1/07

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

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

As Required by the Provisions of the ASME Code Section XI

1. **Owner:** Southern California Edison Company **Date:** 2/28/07 **Sheet 1 of 1**
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770 **Unit:** 3
2. **Plant:** Welding Services, Inc. **Repair/Replacement Plan:**
Address: 2225 Skyland Court, Norcross, GA 30071 043-06 (Temper Bead Structural Weld
 Overlay), 044-06, 045-06 (Base Metal Repair)
3. **Work Performed by:** Southern California Edison Company **MO/CWO:** 06061729, 06101917, 06110085
Address: 2244 Walnut Grove Avenue, Rosemead, CA 91770
4. **Identification of System:** Reactor Coolant System (1201) **Type Code Symbol Stamp:** N/A
Authorization No: N/A
Expiration Date: N/A
5. (a) **Applicable Construction Code:** ASME Section III, Class-I, 1971 Edition, Summer 1971 Addenda (vessel)
 (b) **Applicable Edition of Section XI Utilized for Repairs/Replacement Activity:** 1995 Edition; 1996 Addenda; Code Case N638-1 and N504-2/ Relief Request ISI-3-25; Pressure testing performed per IWA-4540, 1998 Edition, 2000 Addenda.

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped Yes/No
Pressurizer Vessel	CE	CE 70603	21496	S31201ME087	1976	See Description of Work below	Yes

7. **Description of Work:**

During U3C14 outage as part of the industry effort to mitigate the potential for cracking of the Unit 3 Pressurizer dissimilar welds, the preemptive weld overlays were successfully applied on the two active safety valve nozzles, the spare safety valve nozzle, and the spray line nozzle. The surge line nozzle is a dissimilar metal weld subject to PWSCC and is ASME Code Class 1, located on the bottom of the Pressurizer vessel, on the surge line nozzle, ISI identification number (03-005-031). While performing a structural weld overlay on the (P8) stainless steel pipe, indications were found in the weld metal deposit after three passes were completed. The weld metal deposit was removed by grinding and sanding. Modifications to the weld process were tested successfully on a mock-up in containment, however subsequent efforts to perform the weld overlay had similar problems. The surge line overlay was postponed until fall of 2007 so that Engineering will have time to understand the problem, perform testing, and develop a successful process. The surge line pipe area where the weld overlay beads were removed has been accepted based on successful PT examination.

Design Documents/Drawings: ECP 050701323

WSI Traveler Numbers: 102987-004, 102987-005, 102987-006;

Weld Data Sheet: OVL-031.

Reference Documents: Relief Request ISI-3-25, Code Case: N638-1 and N504-2.

Note: Pressure Testing/VT-2 performed per procedure SO23-XVII-3.1.1.

8. **Tests Conducted:** Hydrostatic: Pneumatic: Nominal Operating Pressure: Exempt: Other:
Pressure: >= 2250 psi **Test Temp:** >= 280 °F

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

FORM NIS-2 (back)

9. 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 rules of the ASME Code, Section XI.

Type Code Symbol Stamp: N/A

Certificate of Authorization No.: N/A

Expiration Date: N/A

Signed:

[Handwritten Signature]

Supervising ASME Codes Engineer

Date:

2/28/07

Owner or Owner's Designee, Title

CERTIFICATE OF INSPECTION

I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of California, and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/19/06 to 3/1/07, 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.

[Handwritten Signature]

Inspector's Signature

Commissions

N & I

California

1574

(National Board, State, Province, and Endorsements)

Date

3/1/07

NOTE: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in.; (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or owner's designee and the AIA.

FORM NIS-2 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 | Date: 01/03/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 060700252-06,
050500027-32, GEN-258 | |
| 3. Work Performed by: Southern California Edison Company

Address: 2244 Walnut Grove Avenue, Rosemead, California 91770 | MO/CWO: 06070852000 06110721000,
06110846000 | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, No Addenda.</u> | | |

(b) Applicable Edition of Section XI Utilized 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
8" 1500# Globe Valve	Target Rock	S/N 5	N/A	3HV9325	1981	Corrected	Yes

7. Description of Work:

MO 06070852 removed the body-to-bonnet seal weld on valve 3HV9325 to support overhaul under MO 06070825. There was damage to the body and bonnet areas when the seal weld was removed and MO 06110721 performed weld build-up on the body and bonnet to restore them to their original condition in accordance with RRP 060700252-06 and weld record WR3-06-404. Pitting was found on the disc seating surface and MO 06110846 machined the disc seat to remove the pitting in accordance with RRP 050500027-32. The body-to-bonnet seal weld was then restored on MO 06070852 in accordance with RRP GEN-258 and SO23-I-11.1.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- See: AR 060700252-02 Pressure: ≥ 521 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 initiated and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

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 Authorization No: N/A

Expiration Date: N/A

Signed:

[Handwritten Signature]

Supervising ASME Codes Engineer

Date:

1/4/07

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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 8/21/06 to 1/4/07, 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.

[Handwritten Signature: Howard O. Hartson]
Inspector's Signature

Commissions

N # I

California

1574

National Board, State, Province, and Endorsements

Date

2/9/07

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
4. Identification of System: Containment Spray
5. (a) Applicable Construction Code: ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.

Date: 01/08/07
 Unit: 3
 Repair/Replacement Plan: 037-06
 MO/CWO: 06081298000
 Type Code Symbol Stamp: N/A
 Authorization No: N/A
 Expiration Date: N/A

Sheet 1 of 1

(b) Applicable Edition of Section XI Utilized 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
8" NPS Pipe, Item 10	SCE	---	N/A	S3-1206-ML-063	1993	Corrected	No
8" NPS Pipe, Item 3	SCE	---	N/A	S3-1206-ML-064	1993	Corrected	No
1/4" Plate Reinforcement Pad (2)	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for drain valve S31206MR076 on line S3-1206-ML-064 and for vent valve S31206MR079 on line S3-1206-ML-063 in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld records WR3-06-383 (MR076) and WR3-06-384 (MR079).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/24/06 to 1/10/07, 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.

[Signature] Commissions exp 2/16/07
Inspector's Signature CE N&I California 1574
National Board, State, Province, and Endorsements

Date 2/16/07

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

Date: 01/08/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: 037-06

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06081299000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Safety Injection and Shutdown Cooling

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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
8" NPS Pipe	Pullman, Inc	N-5874	N/A	S3-1204-ML-036, S3-SI-036-010	1977	Corrected	Yes
8" NPS Pipe	Pullman, Inc	N-4440	N/A	S3-1204-ML-036, S3-SI-036-001	1978	Corrected	Yes
1/4" Plate Reinforcement Pad (2)	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for drain valve S31204MR271 (spool piece S3-SI-036-010) and for vent valve S31204MR272 (spool piece S3-SI-036-001) on line S3-1204-ML-036 in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld records WR3-06-374 (MR271) and WR3-06-375 (MR272).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions N & I California 1594
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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

Date: 01/08/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: 037-06

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06081305000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Safety Injection and Shutdown Cooling

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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
8" NPS Pipe	Pullman, Inc	N-7066	N/A	S3-1204-ML-036, S3-SI-036-006	1978	Corrected	Yes
8" NPS Pipe	Pullman, Inc	N-8520	N/A	S3-1204-ML-036, S3-SI-036-005	1978	Corrected	Yes
1/4" Plate Reinforcement Pad (2)	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for drain valve S31204MR258 (spool piece S3-SI-036-006) and for vent valve S31204MR259 (spool piece S3-SI-036-005) on line S3-1204-ML-036 in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld records WR3-06-376 (MR258) and WR3-06-377 (MR259).

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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 | Date: 01/08/07

Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 037-06

MO/CWO: 06081307000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.</u> | | |

(b) Applicable Edition of Section XI Utilized 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
14" NPS Pipe	Pullman, Inc.	N-7233	N/A	S3-1204-ML-038, S3-SI-038-051	1978	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for vent valve S31204MR368 (spool piece S3-SI-038-051 on line S3-1204-ML-038) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-378.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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 | Date: 01/08/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 037-06
MO/CWO: 06081308000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Containment Spray | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.</u> | | |

(b) Applicable Edition of Section XI Utilized 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
12" NPS Pipe	Pullman, Inc.	N-4281	N/A	S3-1206-ML-027, S3-CS-027-008	1977	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for vent valve S31206MR021 (spool piece S3-CS-027-008 on line S3-1206-ML-027) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-381.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A


Expiration Date: N/A

Signed:  Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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 N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/15/07

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 | Date: 02/20/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: 037-06
MO/CWO: 06090544000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Safety Injection and Shutdown Cooling | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda</u> | | |

(b) Applicable Edition of Section XI Utilized 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
10" NPS Pipe	Bechtel	S3-SI-034-006	N/A	S3-1204-ML-034	1982	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for vent valve S31204MR371 (spool piece S3-SI-034-006 on line S3-1204-ML-034) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-385.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/20/07
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 **HSBCT** of **Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 2/20/07, 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.

[Signature] Commissions NET California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/20/07

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

Date: 01/08/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: 037-06

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06090545000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Containment Spray

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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
8" NPS Pipe	Pullman, Inc.	N-7156	N/A	S3-1206-ML-004, S3-CS-004-032	1978	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for drain valve S31206MR017 (spool piece S3-CS-004-032 on line S3-1206-ML-004) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-380.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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 | Date: 01/08/07
Unit: 3
Repair/Replacement Plan: 037-06
MO/CWO: 06090546000
Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A | Sheet 1 of 1 |
| 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 | | |
| 4. Identification of System: Containment Spray | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2, 1974 Edition, Summer 1974 Addenda.</u> | | |

(b) Applicable Edition of Section XI Utilized 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
14" NPS Pipe	Pullman, Inc.	N-3298	N/A	S3-1206-ML-027, S3-CS-027-002	1978	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for vent valve S31206MR001 (spool piece S3-CS-027-002 on line S3-1206-ML-027) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-379.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions I & N California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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

Date: 01/08/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: 037-06

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06090550000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Safety Injection and Shutdown Cooling

Expiration Date: N/A

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

(b) Applicable Edition of Section XI Utilized 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
16" NPS Pipe	Pullman, Inc.	N5345-R	N/A	S3-1201-ML-050, S3-RC-050-002	1977	Corrected	Yes
1/4" Plate Reinforcement Pad	Mackson, Inc	Ht. #836412	N/A	RSO-1850-06, SA240 Tp.304	N/A	Installed	No

7. Description of Work:

Installed split reinforcing plates to the run pipe at the branch connection fittings for drain valve S31201MR031 (spool piece S3-RC-050-002 on line S3-1201-ML-050) in accordance with ECP 060100463-66, Repair Replacement Plan 037-06 and weld record WR3-06-372.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

9. Remarks: All NDE performed in accordance with the 1995 Edition, 1996 Addenda.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/10/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 10/23/06 to 1/10/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/16/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|--|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Main Steam</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 2 (NF), 1974 Edition, Summer 1974 Addenda.</u></p> | <p style="text-align: right;">Date: 02/20/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: GEN-250</p> <p>MO/CWO: 06100917000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> |
|--|--|

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
Mechanical Snubber PSA 35-6	Pacific Scientific	S/N 13062	N/A	S3-ST-580-H-002	1991	Removed	No
Mechanical Snubber PSA 35-6	Pacific Scientific	S/N 12452	N/A	RSO-2474-84, p/n 1801112-11	1984	Installed	No

7. Description of Work:

The mechanical snubber located in plant position S3-ST-580-H-002 was replaced in-kind in accordance with procedure SO23-I-2.39 and RRP GEN-250. A VT-3 examination was performed after installation with relevant conditions noted on AR 061100774. FS 061100774-4 concluded that the rust found on snubber extension piece and rear bracket are surface rust and have no impact to the operability of the snubber (ref. IWF-3410 (b) (5)). A functional test was performed on MO 06100917000 and found acceptable in accordance with SO23-I-2.39 attachment 6.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/20/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/7/06 to 1/18/07, 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.

[Signature] Commissions N + I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|---|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Safety Injection and Shutdown Cooling</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 1, 1971 Edition, Summer 1973 Addenda</u></p> | <p style="text-align: right;">Date: 01/16/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: ASME SECTION XI
DATA-0247</p> <p>MO/CWO: 06101369000</p> <p>Type Code Symbol Stamp: N/A
Authorization No: N/A
Expiration Date: N/A</p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> |
|---|--|

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
2" 1513# Y-Type Globe Valve	Kerotest	CAQ12-2	N/A	S31204MU068	1980	Corrected	Yes
Disc	Flowserve	Ht. #48908	N/A	RSO-0941-99, SA479 316	1999	Installed	Yes
Bonnet	Flowserve	Ht. #716707	N/A	RSO-0941-99, SA479 316	1999	Installed	No

7. Description of Work:

Replaced the one-piece stem/disc assembly and the bonnet with an in-kind replacement valve modification kit (includes stem/disc assembly and bonnet) on the valve in plant location S31204MU068 in accordance with ASME Section XI Data flag - 0247.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

See: AR 061001207-03

Pressure: ≥ 1450 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.

FORM NIS-2 (back)

9. Remarks: A Class 1 valve was installed in a Class 2 system.

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/15/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/2/06 to 2/27/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/27/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|---|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Main Steam</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 2-NF, 1974 Edition, Summer 1974 Addenda and Design Specification SO23-409-2</u></p> <p>(b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u></p> | <p style="text-align: right;">Date: 01/11/07 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: GEN-250</p> <p>MO/CWO: 06101879000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> |
|---|--|

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
Mechanical Snubber PSA-100-6	Pacific Scientific	S/N 523	N/A	S3-ST-002-H-002	1978	Removed	No
Mechanical Snubber PSA-100-6	PSA Mechanical	S/N 313	N/A	RSO-2503-05, P/N 1801119-09	1977	Installed	No

7. Description of Work:

Replaced the snubber as a preventative maintenance action with an in-kind replacement snubber in accordance with GEN-250. A VT-3 examination was performed after installation with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(Applicable Manufacturer's Data Reports to be attached)

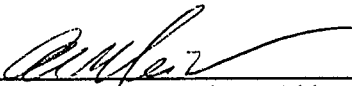
CERTIFICATE OF COMPLIANCE

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 Authorizat~~on~~ No: N/A

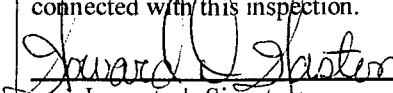
Expiration Date: N/A

Signed:  Supervising ASME Codes Engineer Date: 2/26/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/8/06 to 2/26/07, 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 N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 01/12/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 990701202-07

MO/CWO: 06110320000

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

4. Identification of System: Safety Injection and Shutdown Cooling

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 2 (NC), 1971 Edition, Summer 1973 Addenda

(b) Applicable Edition of Section XI Utilized 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
8" 150# Gate Valve	Aloyco	A1527	877	S31204MU007	1977	Corrected	Yes

7. Description of Work:

Machined the valve bonnet to achieve proper gasket crush in accordance with RRP 990701202-07.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/18/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 11/8/06 to 1/18/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/5/07

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

Date: 01/24/07

Sheet 1 of 1

2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128

Unit: 3

Repair/Replacement Plan: 050300488-08

3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06110351000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: ASME Section III, Class 1, 1974 Edition, Summer 1974 Addenda.

(b) Applicable Edition of Section XI Utilized 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
8" NPS Spool Piece	Pullman Inc.	N-5687	N/A	S3-1204-ML-039, S3-SI-093-002	1977	---	Yes

7. Description of Work:

A Code Data Plate was attached to pipe spool piece 3-SI-039-002 just upstream of valve S31204MU072 (below valve in vertical pipe run) in the area adjacent to the valve installation butt joint. The tag was in the area that needed to be cut and prepared for installation of a replacement valve. The tag was carefully removed to prevent pipe wall damage and code tag damage and was reinstalled in the horizontal run of pipe between containment penetration 48 and the 90 degree elbow just upstream of valve S31204MU072 in spool 3-SI-039-002. Code tags are non-pressure retaining non-structural attachments to the code pressure boundary. The tag is attached to the pipe with a continuous small fillet weld. The data plate downstream edge was relocated 8 to 10 inches back from the 90 degree elbow in the horizontal pipe run. NDE examination (3PT-091-06) was performed on the removal site with no indications noted. Post weld NDE examination (3PT-085-06) was performed on the code data plate replacement with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

ASME XI, IWA-4540, (b), (3) 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.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/7/06 to 3/1/07, 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.

[Signature] Commissions NEI California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 3/1/07

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
4. Identification of System: Safety Injection and Shutdown Cooling
5. (a) Applicable Construction Code: ASME Section III, Class 2 (NC), 1974 Edition, Summer 1974 Addenda.

Date: 01/17/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: 060500131-51

MO/CWO: 06110607000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
8" Pipe Spool	Bechtel	S3-SI-145-5	N/A	S3-1204-ML-145	1982	Corrected	Yes

7. Description of Work:

During installation of vent valve assembly (S31204MR456), the adjacent piping weld was slightly gouged (8" diameter pipe weld between vent & 3FO9410). The gouge was limited to the weld reinforcement; adjacent base material was not affected. The gouged area was blended by grinding /flapper wheel to remove sharp edges and abrupt transitions in accordance with RRP 060500131-51. NDE examination 3PT-095-06 was performed on the new blended surface with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/4/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 7/13/06 to 02/27/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 02/27/07

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
4. Identification of System: Reactor Coolant
5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, Winter 1973 Addenda.

Date: 01/24/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: GEN-207b

MO/CWO: 06110646000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
CEDM #79 Vent Valve Assembly	CE	---	N/A	S31104CEDM #79	N/A	Corrected	Yes
Vent Stem	ABB Combustion Engineering	Ht. #36101, S/N 424	N/A	RSO-1726-94, SA479 Tp. 316	N/A	Installed	No

7. Description of Work:

Replaced the vent stem with an in-kind replacement on CEDM #79 vent valve assembly in accordance with Repair Replacement Plan GEN-207b.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-2 performed per Procedure SO23-XVII-3.1.1** Pressure: ≥ 2250 psi Test Temp: ≥ 280 °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 A.I.A.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/13/06 to 2/27/07, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date February 27, 2007

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
4. Identification of System: Reactor Coolant
5. (a) Applicable Construction Code: ASME Section III, Class 1, 1971 Edition, Winter 1973 Addenda.

Date: 01/29/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: GEN-207b

MO/CWO: 06110777000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
CEDM #58 Vent Valve Assembly	CE	---	N/A	S31104CEDM #58	N/A	Corrected	Yes
Housing Nut	Westinghouse	Ht. #MT21140.	N/A	RSO-2011-02, SA479 Tp. 316	N/A	Installed	No

7. Description of Work:

Replaced the housing nut with an in-kind replacement on CEDM #58 vent valve assembly in accordance with Repair Replacement Plan GEN-207b.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other

VT-2 performed per Procedure SO23-XVII-3.1.1 Pressure: ≥ 2250 psi Test Temp: ≥ 280 °F

Note: Supplemental sheets in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 in. x 11 in., (2) information in Items 1 through 6 on this report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form, and (4) each sheet is initialed and dated by the Owner or Owner's designee and the AIA.

FORM NIS-2 (back)

9. 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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/14/06 to 2/27/07, 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.

[Signature] Commissions N d I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/27/07

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 | Date: 01/11/07
Unit: 3 | Sheet 1 of 1 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: GEN-250

MO/CWO: 06110853000 | |
| 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
Expiration Date: N/A | |
| 4. Identification of System: Feedwater | | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2-NF, 1974 Edition, Summer 1974 Addenda and Design Specification SO23-409-2</u> | | |
| (b) Applicable Edition of Section XI Utilized for Repair/Replacement Activity: <u>1995 Edition, 1996 Addenda</u> | | |

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
Mechanical Snubber PSA 100-6	Pacific Scientific	S/N 268	N/A	S3-ST-001-H-007W	1977	Removed	No
Mechanical Snubber PSA 100-6	PSA Mechanical	S/N 2334	N/A	RSO-2503-05, p/n 1801119-09	1985	Installed	No

7. Description of Work:

Replaced the snubber as a preventative maintenance action with an in-kind replacement snubber in accordance with GEN-250. A VT-3 examination was performed after installation with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/26/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/15/06 to 2/26/06, 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.

[Signature] Commissions N # I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

Date: 01/17/07

Sheet 1 of 1

Unit: 3

2. Plant: San Onofre Nuclear Generating Station
 Address: P.O. Box 128, San Clemente, California 92674-0128

Repair/Replacement Plan: 061100860-05

3. Work Performed by: Southern California Edison Company
 Address: 2244 Walnut Grove Avenue, Rosemead, California 91770

MO/CWO: 06110918000

Type Code Symbol Stamp: N/A

Authorization No: N/A

4. Identification of System: Reactor Coolant

Expiration Date: N/A

5. (a) Applicable Construction Code: Piping System (upstream of 3PSV0201): ASME Section III, Class 1 (NB), 1974 Edition, Summer 1974 Addenda.

(b) Applicable Edition of Section XI Utilized 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
Pipe Spool	Pullman, Inc.	3-RC-033-001	N/A	S3-1201-ML-033	1979	Corrected	Yes

7. Description of Work:

Removed surface discontinuities (hammer marks/upset metal) from the surface of the 90 degree elbow on the Safety Valve (3PSV0201) inlet by grinding, blending and flapper wheel. NDE examination 3PT-102-06 was performed on the metal removal area with satisfactory results. NDE examination 3UT-021-06 was performed after completion of metal removal to verify the material thickness is 0.629" or greater with satisfactory results. All repairs performed in accordance with RRP 061100860-05.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 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.

FORM NIS-2 (back)

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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 1/18/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 1/19/06 to 1/18/07, 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.

[Signature] Commissions NIT California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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

As Required by the Provisions of the ASME Code Section XI

- | | |
|---|--|
| <p>1. Owner: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128</p> <p>3. Work Performed by: Southern California Edison Company
Address: 2244 Walnut Grove Avenue, Rosemead, California 91770</p> <p>4. Identification of System: Main Steam</p> <p>5. (a) Applicable Construction Code: <u>ASME Section III, Class 2-NF, 1974 Edition, Summer 1974 Addenda and Design Specification SO23-409-2</u></p> | <p style="text-align: right;">Date: 3/8/2007 Sheet 1 of 1</p> <p>Unit: 3</p> <p>Repair/Replacement Plan: GEN-250</p> <p>MO/CWO: 06111028000</p> <p>Type Code Symbol Stamp: N/A</p> <p>Authorization No: N/A</p> <p>Expiration Date: N/A</p> |
|---|--|

(b) Applicable Edition of Section XI Utilized 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
Mechanical Snubber PSA-100-6	Pacific Scientific	S/N 311	N/A	S3-ST-001-H-025B	1977	Removed	No
Mechanical Snubber PSA-100-6	PSA Mechanical	S/N 2382	N/A	RSO-2503-05, P/N 1801119-09	1988	Installed	No

7. Description of Work:

Replaced the snubber as a preventative maintenance action with an in-kind replacement snubber in accordance with GEN-250. A VT-3 examination was performed after installation with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/26/07
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 **HSBCT of Hartford, Connecticut** have inspected the components described in this Owner's Report during the period 11/13/06 to 2/26/07, 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.

[Signature] Commissions NI&I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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
4. Identification of System: Main Steam
5. (a) Applicable Construction Code: ASME Section III, Class 2-NF, 1974 Edition, Summer 1974 Addenda and Design Specification SO23-409-2

Date: 01/25/07 Sheet 1 of 1

Unit: 3

Repair/Replacement Plan: GEN-250

MO/CWO: 06111141000

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

(b) Applicable Edition of Section XI Utilized 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
Mechanical Snubber PSA-100-6	Pacific Scientific	S/N 341	N/A	S3-ST-002-H-007W	1977	Removed	No
Mechanical Snubber PSA-100-6	PSA Mechanical	S/N 2384	N/A	RSO-2503-05, P/N 1801119-09	1974	Installed	No

7. Description of Work:

Replaced the snubber as a preventative maintenance action with an in-kind replacement snubber in accordance with GEN-250. A VT-3 examination was performed after installation with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/6/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/22/06 to 2/6/07, 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.

[Signature] Commissions N & I California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07

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 | Date: 01/25/07 Sheet 1 of 1
Unit: 3 |
| 2. Plant: San Onofre Nuclear Generating Station
Address: P.O. Box 128, San Clemente, California 92674-0128 | Repair/Replacement Plan: GEN-250
MO/CWO: 06111234000 |
| 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
Expiration Date: N/A |
| 4. Identification of System: Main Steam | |
| 5. (a) Applicable Construction Code: <u>ASME Section III, Class 2-NF, 1974 Edition, Summer 1974 Addenda and Design Specification SO23-409-2</u> | |

(b) Applicable Edition of Section XI Utilized 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
Mechanical Snubber PSA 100-6	Pacific Scientific	S/N 314	N/A	S3-ST-002-H-009	1977	Removed	No
Mechanical Snubber PSA 100-6	Pacific Scientific	S/N 120	N/A	RSO-2503-05, P/N 1801119-09	1974	Installed	No

7. Description of Work:

Replaced the snubber as a preventative maintenance action with an in-kind replacement snubber in accordance with GEN-250. A VT-3 examination was performed after installation with satisfactory results.

8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other
- VT-3 Examination** 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.

FORM NIS-2 (back)

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

(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 Authorizatoin No: N/A

Expiration Date: N/A

Signed: [Signature] Supervising ASME Codes Engineer Date: 2/26/07
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 HSBCT of Hartford, Connecticut have inspected the components described in this Owner's Report during the period 11/22/06 to 2/26/07, 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.

[Signature] Commissions NEI California 1574
Inspector's Signature National Board, State, Province, and Endorsements

Date 2/26/07