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January 26, 2001

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

Gentlemen:

Subject: Docket No. 50-362
Special Report: Inservice Inspection of Steam Generator Tubes
San Onofre Nuclear Generating Station, Unit 3

Reference: Steam Generator Program Guidelines, Nuclear Energy Institute Document
Number NEI 97-06 [Original], dated December 1997

On January 18, 2001, Southern California Edison (SCE) completed the inservice inspection of steam generator tubes at San Onofre Nuclear Generating Station Unit 3. The attached report satisfies the following reporting requirements of Technical Specification 5.7.2.c:

- Within 15 days of inspection completion, report the number of tubes plugged and tubes sleeved in each steam generator;
- Within 12 months of inspection completion, report the complete results of steam generator tube inspections.

In addition, the contents of the report were prepared using the guidance contained in the above reference. In accordance with the suggested NEI guidance, the enclosed report includes:

- a. Scope of inspections performed;
- b. Active Degradation Mechanisms found;
- c. Nondestructive Examination (NDE) techniques utilized for each degradation mechanism;
- d. Number of tubes plugged or repaired during the inspection for each active degradation mechanism. Repair methods utilized and the number of tubes repaired by each repair method; and
- e. Total number and percentage of tubes plugged and/or repaired to date and the effective plugging percentage in each steam generator.

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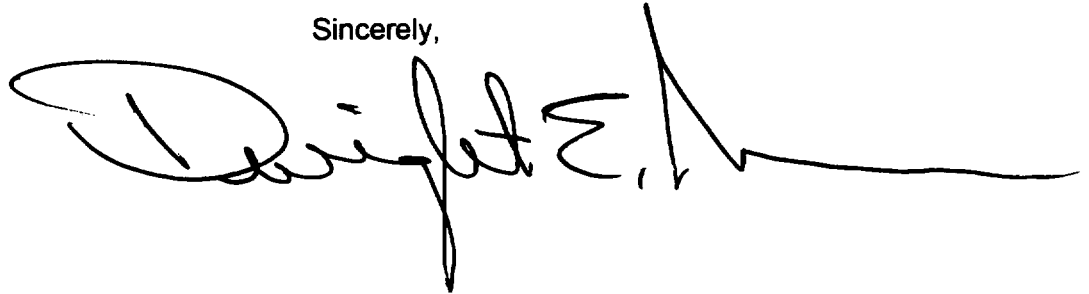
San Onofre Nuclear Generating Station, Unit 3

Special Report

This report also provides results of a **secondary side inspection (SSI)**. This inspection of eggcrate tube supports was done on the **secondary side** of the steam generator, using remote-controlled visual equipment. **Technical Specifications** do not require this inspection, or associated reporting.

This report contains no new commitments. If you require any additional information, please advise.

Sincerely,

A handwritten signature in black ink, appearing to read "E. W. Merschoff", with a long horizontal flourish extending to the right.

Attachments:

cc: E. W. Merschoff, Regional Administrator, NRC Region IV
L. Raghavan, NRC Project Manager, San Onofre Units 2 & 3
J. A. Sloan, NRC Senior Resident, San Onofre Units 2 & 3
Institute of Nuclear Power Operations (INPO)

SPECIAL REPORT - INSERVICE INSPECTION OF STEAM GENERATOR TUBES

Regulatory Reporting Requirements

Reporting Requirement 5.7.2.c of Appendix A, Technical Specification to Facility Operating License NPF-15, requires the number of tubes plugged and tubes sleeved in each steam generator to be reported to the Nuclear Regulatory Commission within 15 days following completion of the inspection.

Reporting Requirement 5.7.2.c of Appendix A, Technical Specification to Facility Operating License NPF-15, requires the complete results of steam generator tube inspections to be reported to the Nuclear Regulatory Commission within 12 months following completion of the inspection.

Planned Inspection Scope

Table 1 summarizes the planned inspection program. Also, when indications by the bobbin probe were non-quantifiable or distorted, the inspection program included inspection with the Plus-Point Probe. Table 3 provides the list of Nondestructive Examination (NDE) techniques utilized for each degradation mechanism.

Results of Inservice Inspection of Tubes

This report satisfies the listed regulatory reporting requirements.

The contents of this report are prepared using the guidance contained in NEI 97-06, Rev. 0, "Steam Generator Program Guidelines." The NEI guidance is an initiative to unify the industry approach towards steam generator issues and strengthen, where necessary, the steam generator program. In accordance with the suggested NEI guidance, the following five report contents are included within this report:

- (1) Scope of inspections performed;
- (2) Active Degradation Mechanisms found;
- (3) Nondestructive Examination (NDE) techniques utilized for each degradation mechanism;
- (4) Number of tubes plugged or repaired during the inspection outage for each active degradation mechanism. Repair methods utilized and the number of tubes repaired by each repair method; and
- (5) Total number and percentage of tubes plugged and/or repaired to date and the effective plugging percentage in each steam generator.

Table 2 summarizes significant inspection results, and active degradation mechanisms found. Each tube is only counted once in this listing, although it may also have an eddy current indication of a type below the point in the listing where it appears. The Appendices provide the complete results of the steam generator tubing inservice inspection.

Table 4 summarizes in-situ pressure and leak testing results. This particular testing demonstrated the structural and leakage (i.e., there was no leakage) integrity of the tested tubes consistent with EPRI guidelines and recent industry guidance.¹ Eddy current testing results and in-situ pressure and leak testing results provide assurance that performance criteria in the NEI guidance (structural integrity and accident-induced leakage) were met during operation prior to this inspection.

Results of Secondary Side Inspection (SSI) of Eggcrate Tube Supports

Remote visual inspections of the steam generator lattice supports for both steam generators at SONGS Unit 3 were completed. The results indicate no evidence of ongoing Flow Accelerated Corrosion (FAC). These results have been the same for the last three examinations. No tubes required plugging as a result of the secondary side inspection. The inspection encompassed twenty-six camera drops, which were performed from the upper most support structure, Eggcrate 10 (EC10), down to EC5 to examine these locations. With these results, the next inspection for eggcrate thinning will be scheduled for the Unit 3 Cycle 13 refueling outage, an interval of two cycles.

Repair of Tubes

Table 2 lists the number of tubes repaired by plugging for each steam generator. The sleeving repair method has never been used at Unit 3. Table 5 provides an itemized listing of the tubes plugged in steam generator E-088 along with the corresponding Table 2 category specifying the indication orientation/location. Table 6 provides an itemized listing of the tubes plugged in steam generator E-089 along with the corresponding Table 2 category specifying the indication orientation/location.

Repair Methods, Number of Tubes Repaired and Effective Plugging Percentage

All tube plugging was performed using the design, materials, and installation methods of FRAMATOME Technologies, Inc. (FTI). A "roll" method was used for all tube plugs. Two tubes in each steam generator were "stabilized" in the vicinity of the top of the tubesheet using the design, materials, and installation methods of FTI.

Fifty-seven tubes were plugged in Steam Generator E-088 during the Cycle 11 refueling outage. A total of 586 tubes have been plugged. No tubes have ever been sleeved in this steam generator. The design number of tubes is 9350 tubes. The effective plugging percentage for E-088 is 6.3%.

¹ Letter from Lawrence F. Womack (Pacific Gas and Electric Company) to Steam Generator Management Program Utility Steering Committees, et al., "Steam Generator Management Program (SGMP) Interim Guidelines on In Situ Pressure Testing of Steam Generator Tubes," dated October 13, 2000.

Forty-one tubes were plugged in Steam Generator E-089 during the Cycle 11 refueling outage. A total of 522 tubes have been plugged. No tubes have ever been sleeved in this steam generator. The design number of tubes is 9350 tubes. The effective plugging percentage for E-089 is 5.6%.

Description of Tables and Appendices

- Table 1 - Summary of the Planned Inspection Program for the Unit 3 Cycle 11 (U3C11) Refueling Outage
- Table 2 - Number of Tubes Repaired and Active Degradation Mechanisms Found During the U3C11 Refueling Outage
- Table 3 - List of Nondestructive Examination (NDE) Techniques Utilized for Each Degradation Mechanism for the U3C11 Refueling Outage
- Table 4 - Summary of Results of In-Situ Pressure and Leak Testing for the U3C11 Refueling Outage
- Table 5 - U3C11 Refueling Outage Tubes Plugged, Steam Generator E-088
- Table 6 - U3C11 Refueling Outage Tubes Plugged, Steam Generator E-089
- Appendix 1 - Steam Generator Reference Information
- Appendix 2 - Legend for Appendices 3 and 4
- Appendix 3 - Inspection Summary, Steam Generator E-088
- Appendix 4 - Inspection Summary, Steam Generator E-089

**TABLE 1 - Summary of the Planned Inspection Program for
the Unit 3 Cycle 11 (U3C11) Refueling Outage**

	Number of Tubes/Percentage of Tubes Steam Generator	
	E-088	E-089
Full length of tube with the bobbin probe	8821 / 100%	8869 / 100%
Hot leg expansion transition at the top-of-tubesheet with the Plus-Point Probe	8821 / 100%	8869 / 100%
Cold leg expansion transition at the top-of-tubesheet with the Plus-Point Probe	4450 / 50%	4450 / 50%
U-bend regions of Rows 1, 2, and 3 with the mid-range frequency Plus-Point Probe	188 / 100%	179 / 100%
U-bend regions of Rows 1, 2, and 3 with the high frequency Plus-Point Probe	188 / 100%	179 / 100%
Plus-Point Probe examinations of all tube support intersections with dents greater than, or equal to, 2 volts	320 / 100%	309 / 100%
Plus-Point Probe examination of all tube support intersections with quantified wear indications by the bobbin probe	763 / 100%	516 / 100%
Rolled plugs in the Hot Leg with a pancake probe	165 / 40%	135 / 40%

TABLE 2 - Number of Tubes Repaired and Active Degradation Mechanisms Found During the U3C11 Refueling Outage

Indication Orientation/Location	Steam Generator	
	E-088	E-089
Tubes with axially oriented OD (initiated on the outside-diameter of the tubing wall) indications at tube support locations. (OD Axial @ Support)	1	0
Tubes with circumferentially oriented ID indications near the expansion transition at the top of the hot leg tubesheet. (ID Circ @ TSH)	1	1
Tubes with circumferentially oriented OD indications near the expansion transition at the top of the hot leg tubesheet. (OD Circ @ TSH)	1	1
Tubes with axially oriented OD indications in the sludge pile region near the top of the hot leg tubesheet. (OD Axial @ Sludge Pile TSH)	1	1
Tubes with axially oriented ID indications near the expansion transition at the top of the hot leg tubesheet. (ID Axial @ TSH)	0	1
Tubes with axially oriented ID indications below the inlet top-of-tubesheet. (ID Axial below TSH)	11	1
Tubes with indications of wear at tube support locations. (Wear @ Support)	39	30
Tubes with apparent previous loose part wear (not an active degradation mechanism). (OD Vol @ TSH or TSC)	1	1
Tubes with miscellaneous volumetric indications (not an active degradation mechanism). (Vol @ Miscellaneous)	0	2
Miscellaneous preventative plugging (not an active degradation mechanism). (Prevent @ Miscellaneous)	2	3
Total	57	41

TABLE 3 - List of Nondestructive Examination (NDE) Techniques Utilized for Each Degradation Mechanism for the U3C11 Refueling Outage

Indication Orientation/Location	Probe Type for	
	Detection	Characterization
Axially oriented OD (initiated on the outside-diameter of the tubing wall) indications at tube support locations	Bobbin Plus Point (Note 1)	Plus Point Plus Point
Circumferentially oriented ID indications near the expansion transition at the top of the hot leg tubesheet	Plus Point	Plus Point
Circumferentially oriented OD indications near the expansion transition at the top of the hot leg tubesheet	Plus Point	Plus Point
Axially oriented ID indications near the expansion transition at the top of the hot leg tubesheet	Plus Point	Plus Point
Axially oriented ID indications below the hot leg top-of-tubesheet	Bobbin	Plus Point
Axially oriented OD indications in the sludge pile region near the top of the hot leg tubesheet	Plus Point	Plus Point
Indications of wear at tube support locations	Bobbin	Plus Point
Volumetric indications	Bobbin or Plus Point	Plus Point
Miscellaneous preventative plugging	Bobbin or Plus Point	Plus Point
Circumferentially or axially oriented indications within INCONEL 690 tube plugs that had been previously installed in the hot leg using a "roll" process	Pancake coil	Pancake coil

Note 1: Plus-Point technique is used at dents with greater than, or equal to, two volts.

**TABLE 4 - Summary of Results of In-Situ Pressure and Leak Testing for the U3C11 Refueling Outage
Steam Generator E-089**

TUBE AND EDDY CURRENT INFORMATION										IN-SITU TEST RESULTS				
REGION	TUBE INFORMATION			PLUS POINT DATA					BOBBIN DATA	SELECTION CRITERIA	GPM @ NOPD	GPM @ MSLB	GPM @ POST MSLB	PRESSURE 3xNOPD
	ROW	COL	LOCATION	LENGTH	VOLTS	Max. Depth %	PDA or Avg. Depth %	ORIENTATION						
LOW ROW U-BEND	1	157	DBH + 5.33	N/A	1.45	N/A	N/A	GEOMETRY (GEO)	N/A	N/A	0	0	0	5050
LOW ROW U-BEND	2	32	DBH + 7.4	N/A	1.63	N/A	N/A	GEOMETRY (GEO)	N/A	N/A	0	0	0	5050
LOW ROW U-BEND	2	52	DBH + 9.35 to +9.8	N/A	1.37	N/A	N/A	GEOMETRY (GEO)	N/A	N/A	0	0	0	5050

NOTES: The SELECTION CRITERIA column indicates the EPRI In Situ Testing Guidelines' criteria that prompted selection.
 GPM = Gallons per Minute
 NOPD = Normal Operation Pressure Differential
 MSLB = Main Steam Line Break Pressure Differential
 N/A = Not Applicable
 PDA = Percent degraded area

**TABLE 5 - SONGS U3C11 Refueling Outage Tubes Plugged
STEAM GENERATOR E-088**

Row	Column	Reason for Plugging Tube (per Table 2)
1	25	Prevent @ Miscellaneous
47	37	Wear @ Support
73	43	Wear @ Support
71	47	Wear @ Support
94	48	Wear @ Support
104	50	Wear @ Support
100	52	OD Axial @ Support
71	55	Wear @ Support
95	59	Wear @ Support
34	64	ID Axial below TSH
35	65	ID Axial below TSH
35	67	ID Axial below TSH
36	68	ID Axial below TSH
38	70	ID Axial below TSH
144	70	Wear @ Support
35	71	ID Axial below TSH
107	71	Wear @ Support
36	72	ID Axial below TSH
35	73	Wear @ Support
36	74	ID Axial below TSH
38	74	Wear @ Support
112	74	Wear @ Support
39	75	Wear @ Support
42	76	Wear @ Support
44	76	Wear @ Support
144	76	Wear @ Support
45	77	Wear @ Support
77	77	Wear @ Support
145	77	Wear @ Support

**TABLE 5 - SONGS U3C11 Refueling Outage Tubes Plugged
STEAM GENERATOR E-088**

Row	Column	Reason for Plugging Tube (per Table 2)
44	78	Wear @ Support
45	79	Wear @ Support
55	83	Wear @ Support
56	84	Wear @ Support
63	85	OD Axial @ Sludge Pile TSH
47	87	Wear @ Support
73	87	Wear @ Support
142	88	OD Vol @ TSH or TSC
51	89	Wear @ Support
57	89	Wear @ Support
52	90	Wear @ Support
52	92	Wear @ Support
53	93	Wear @ Support
52	94	Wear @ Support
58	94	Wear @ Support
48	96	Wear @ Support
51	97	Wear @ Support
144	98	Wear @ Support
42	102	Wear @ Support
46	102	Wear @ Support
108	110	Prevent @ Miscellaneous
32	114	ID Axial below TSH
36	116	ID Axial below TSH
11	121	ID Circ @ TSH
25	121	OD Circ @ TSH
6	130	ID Axial below TSH
46	130	Wear @ Support
104	136	Wear @ Support

**TABLE 6 – SONGS U3C11 Refueling Outage Tubes Plugged
STEAM GENERATOR E-089**

Row	Column	Reason for Plugging Tube (per Table 2)
80	16	Wear @ Support
2	32	Prevent @ Miscellaneous
70	32	ID Axial @ TSH
67	37	OD Circ @ TSH
30	48	ID Circ @ TSH
68	52	Wear @ Support
2	54	Prevent @ Miscellaneous
46	60	Wear @ Support
106	60	Wear @ Support
27	65	ID Axial below TSH
39	65	Wear @ Support
39	67	Wear @ Support
31	69	Vol @ Miscellaneous
65	75	OD Axial @ Sludge Pile TSH
47	77	Wear @ Support
51	77	Wear @ Support
53	79	Wear @ Support
51	81	Wear @ Support
54	82	Wear @ Support
55	83	Wear @ Support
52	84	Wear @ Support
56	86	Wear @ Support
56	88	Wear @ Support
58	88	Wear @ Support
52	90	Wear @ Support
56	92	Wear @ Support
56	94	Wear @ Support
52	96	Wear @ Support
144	98	Wear @ Support

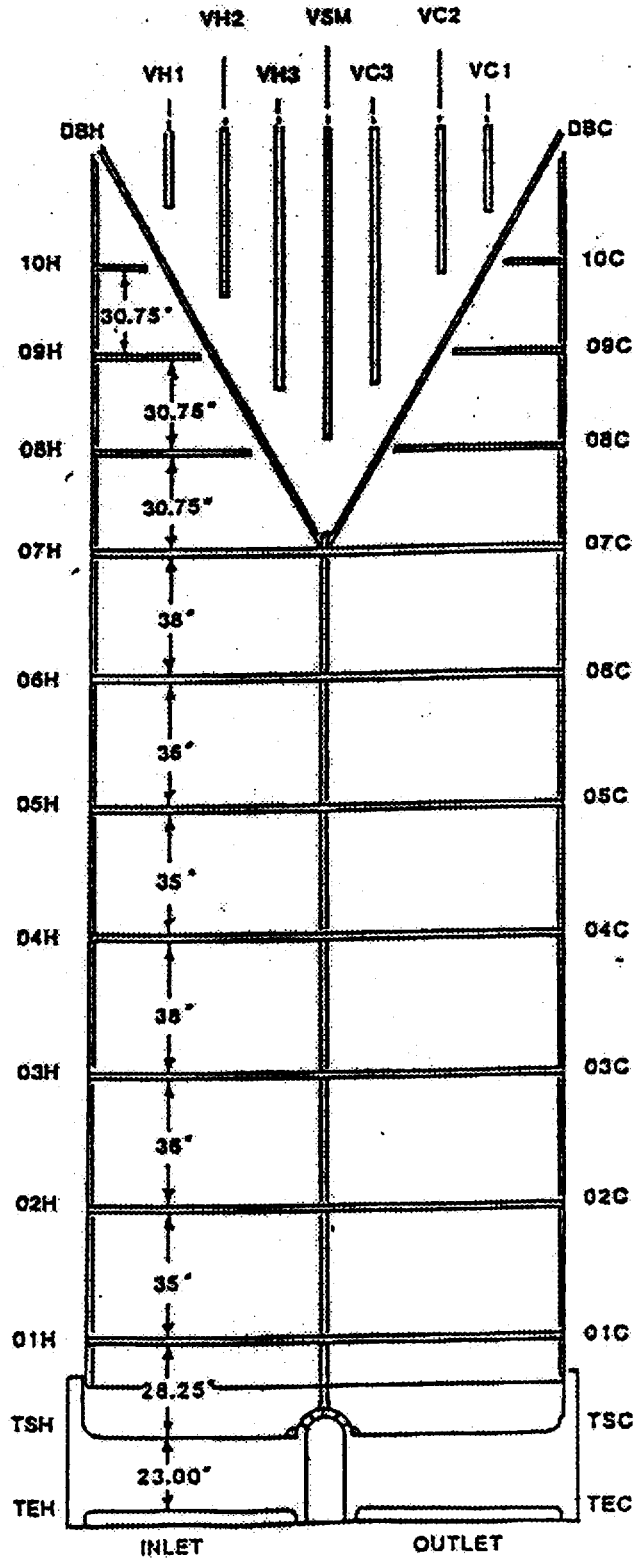
**TABLE 6 – SONGS U3C11 Refueling Outage Tubes Plugged
STEAM GENERATOR E-089**

Row	Column	Reason for Plugging Tube (per Table 2)
146	98	Wear @ Support
42	100	Wear @ Support
48	100	Wear @ Support
36	102	Wear @ Support
37	105	Wear @ Support
40	108	Wear @ Support
42	108	Wear @ Support
1	157	Prevent @ Miscellaneous
1	169	OD Vol @ TSH or TSC
47	169	Wear @ Support
48	170	Vol @ Miscellaneous
1	175	Wear @ Support

Appendix 1

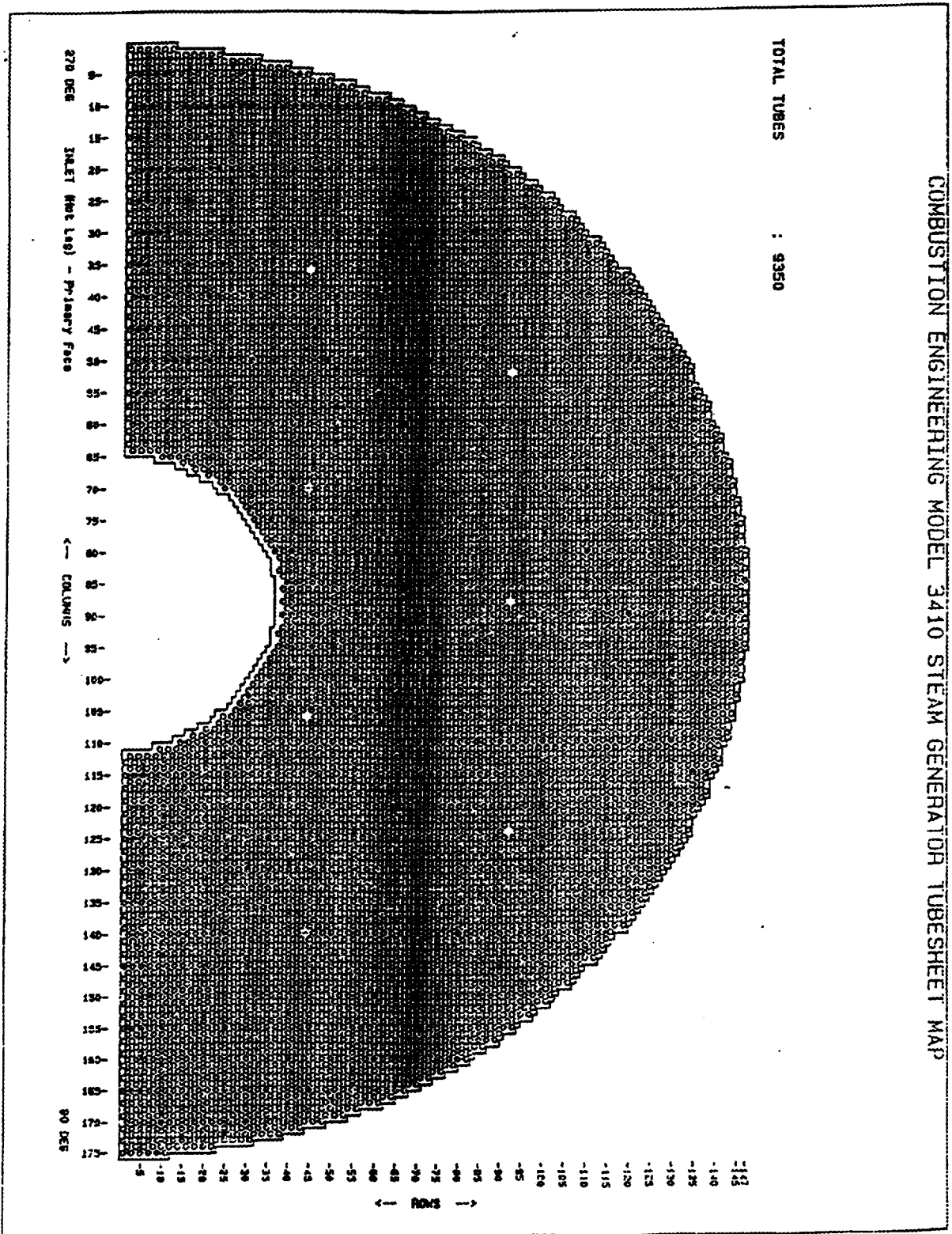
Steam Generator Reference Information

CE MODEL 3410 TUBE SUPPORT DRAWING



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

<u>ROW(S)</u>	<u>TUBING/SUPPORT INTERFACES</u>						
120-147	08H, 09H, 10H, DBH, VH1, VH2, VH3, VSM, VC3, VC2, VC1, DBC, 10C, 09C, 08C						
115-119	08H, 09H	DBH, VH1, VH2, VH3, VSM, VC3, VC2, VC1, DBC				09C, 08C	
84-114	08H, 09H	DBH	VH2, VH3, VSM, VC3, VC2		DBC	09C, 08C	
83	08H	DBH	VH2, VH3, VSM, VC3, VC2		DBC	08C	
51-82	08H	DBH	VH3, VSM, VC3,		DBC	08C	
49-50	08H	DBH	VSM		DBC	08C	
19-48		DBH	VSM		DBC		
1-18		DBH			DBC		



Appendix 2

Legend for Appendices 3 and 4

List of Abbreviations and Format Used to Describe
the Indications from Rotating Probe Testing

<u>"I-Code" Abbreviations</u>	<u>Explanation of the Abbreviations</u>
SCI	Single Circumferential Indication
MCI	Multiple Circumferential Indications
SAI	Single Axial Indication
MAI	Multiple Axial Indications
MMI	Mixed Mode Indications
SVI	Single Volumetric Indication (i.e., no special axial or circumferential aspect)
MVI	Multiple Volumetric Indication (i.e., no special axial or circumferential aspect)

Format

In Appendices 3 and 4, a single line of data is associated with each individual rotating probe indication. Below is a descriptive example of the format.

SG	ROM	CODE	VOLTS	DEG	PCT	CHAN	LOCATION	FROM	TO	EXTENT	UTIL 1	UTIL 2
U1	45	59	+P VOLTS	+P DEG	CODE	CH #	LOCATION	+0.01		TSHTSH	PAN VOLTS	+ P LEN

1. All "I-code" indications require a single line entry. The example above displays the form of a Resolution report line. The VOLTS field contains the Plus-point P-to-P voltage of the largest, most representative response. The DEG field contains the corresponding phase angle. The PCT field contains the appropriate 3-letter code. The CHAN field contains the reporting channel (i.e. the appropriate 300kHz Plus-point channel). The LOCATION field contains the referenced landmark. The FROM field contains the axial distance from the landmark to the response measured above. The EXTENT field indicates the test extent. The UTIL 1 field contains the 300kHz 0.115" pancake P-to-P voltage of the largest, most representative response. The UTIL 2 field contains the measured Plus-point length of the indication. Exceptions to this general guidance are in paragraphs 2 and 3 below.
2. For axial indications of extended length, the location should be ranged in the FROM and TO fields. If the range of such an indication includes any part of a support structure, it should be referenced from that landmark.
3. For "I-code" indications which have both axial and circumferential extent (i.e. SVI, MVI, and MMI) the location should be ranged in the FROM and TO fields and the UTIL 2 field should contain the circumferential length.

Appendix 3
Inspection Summary
Steam Generator E-088

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWO

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 88
DATABASE: SCNGS_U3_0101_SG88

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PAGE 1

ROW	COL	VOLTS	DEG	PCT	CRD	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N	
1	1	113	0.43	135	18	P	2 04H	+0.31			07HTEH			38090	reso	88H00050	H	500UL	332330
2	4	146	0.37	106	15	P	2 02H	-0.94			TECTEH			H3464	prim	88H00036	H	500UL	340929
3	6	130	0.72	15	SAI	2	TSH	-3.54			TSHTSH	0.36	0.46	E4963	reso	88H00067	H	500PP	333346
4	3	175	0.35	162	16	P	2 06C	+0.94			TECTEH			M9460	prim	88H00048	H	500UL	332330
5	11	121	0.41	25	SCI	P	1 TSH	+0.08			TSHTSH	0	0.2	R1509	reso	88H00065	H	500PP	333346
6	17	173	0.45	135	19	P	2 01C	-0.77			TECTEH			M6543	seco	88H00048	H	500UL	332330
7	22	108	0.36	49	22	P	3 DBC	-2.00			TECTEH			G4841	reso	88H00007	H	500UL	340819
8	23	17	0.31	81	11	P	2 02H	-0.74			TEHTEC			K7060	reso	88C00015	C	500UL	332256
9	23	123	0.32	80	13	P	2 07H	+0.30			TECTEH			E4963	seco	88H00018	H	500UL	340385
10	23	127	0.36	130	15	P	2 06H	+0.37			TECTEH			J5276	prim	88H00020	H	500UL	340385
11	23	145	0.21	70	12	P	2 VSM	-1.04			TECTEH			D2421	seco	88H00035	H	500UL	340886
12	23	153	0.28	103	16	P	2 VSM	-1.06			TECTEH			J1978	prim	88H00039	H	500UL	340886
13	24	108	0.41	145	16	P	2 VSM	-0.81			TECTEH			P5436	prim	88H00008	H	500UL	340885
14			0.20	88	13	P	3 DBC	+1.63			TECTEH			P5436	prim	88H00008	H	500UL	340885
15	25	39	0.39	104	18	P	2 VSM	+1.04			TEHTEC			T5956	prim	88C00005	C	500UL	332261
16	25	121	0.15	102	SCI	P	1 TSH	+0.07			TSHTSH	0	0.5	R1509	reso	88H00064	H	500PP	333311
17	27	125	0.47	47	23	P	2 VSM	-0.90			TECTEH			C1115	seco	88H00017	H	500UL	340903
18	28	54	0.29	104	12	P	2 06H	+0.17			TEHTEC			J5276	prim	88C00050	C	500UL	340826
19	28	172	0.68	109	25	P	2 01C	+0.52			TECTEH			C3340	reso	88H00048	H	500UL	332330
20	30	158	0.39	35	21	P	2 VSM	+0.71			TECTEH			O5001	prim	88H00043	H	500UL	340386
21	30	172	0.32	36	19	P	2 06H	+0.96			TECTEH			M4882	seco	88H00047	H	500UL	340886
22	31	35	0.35	106	18	P	2 VSM	-0.74			TEHTEC			R1509	reso	88C00007	C	500UL	332261
23	31	39	0.21	92	8	P	2 07H	+0.59			TEHTEC			M7262	reso	88C00006	C	500UL	332249
24	32	42	0.27	111	18	P	2 07H	+0.89			TEHTEC			L7773	prim	88C00002	C	500UL	332249
25	32	106	0.23	106	15	P	2 04C	+1.01			TECTEH			N9952	prim	88H00007	H	500UL	340819
26	32	114	0.49	15	SAI	2	TSH	-0.74			TSHTSH	0.54	0.97	S7752	reso	88H00062	H	500PP	333315
27	32	124	0.43	152	21	P	2 VSM	-0.86			TECTEH			P5436	prim	88H00017	H	500UL	340903
28	33	73	0.89	108	22	P	3 DBC	-1.96			TEHTEC			K9208	seco	88C00068	C	500UL	340826
29	33	103	0.51	82	28	P	3 DBH	+1.37			TECTEH			J9815	prim	88H00007	H	500UL	340819
30			0.17	129	12	P	3 DBC	+1.98			TECTEH			J9815	prim	88H00007	H	500UL	340819
31	34	64	0.60	16	SAI	2	TSH	-1.07			TSHTSH	0.45	0.41	D3858	reso	88H00100	H	500PPZ	340926
32	34	72	0.80	64	19	P	3 DBH	-1.80			TEHTEC			G4841	reso	88C00066	C	500UL	340826
33	34	112	0.34	99	20	P	2 VSM	+0.68			TECTEH			T6878	seco	88H00011	H	500UL	340903
34	34	172	0.33	85	20	P	2 VSM	+0.73			TECTEH			M4882	seco	88H00047	H	500UL	340886
35	35	7	0.32	54	13	P	2 VSM	-0.83			TEHTEC			S1348	prim	88C00021	C	500UL	340813
36	35	65	0.25	13	SAI	2	TSH	-2.65			TSHTSH	0.57	0.2	R1509	reso	88H00101	H	500PPZ	340955
37			0.57	15	SAI	2	TSH	-1.62			TSHTSH	0.89	0.2	R1509	reso	88H00101	H	500PPZ	340955
38			0.88	15	SAI	2	TSH	-1.30			TSHTSH	1.09	0.5	R1509	reso	88H00101	H	500PPZ	340955
39	35	67	0.44	16	SAI	2	TSH	-1.14			TSHTSH	0.59	0.09	W5710	reso	88H00100	H	500PPZ	340926
40			0.57	20	SAI	2	TSH	-1.00			TSHTSH	0.68	0.11	W5710	reso	88H00100	H	500PPZ	340926
41			0.66	20	SAI	2	TSH	-0.62			TSHTSH	1.13	0.16	W5710	reso	88H00100	H	500PPZ	340926
42	35	71	0.56	14	SAI	2	TSH	-6.77			TSHTSH	0.93	0.2	R1509	reso	88H00096	H	500PPZ	340926
43	35	73	1.35	135	40	P	3 DBH	-1.60			TEHTEC			E4963	reso	88C00067	C	500UL	340946
44	35	107	0.42	127	16	P	2 VSM	-0.87			TECTEH			P5436	prim	88H00008	H	500UL	340885
45	35	121	0.38	127	15	P	2 05H	+0.75			TECTEH			F7460	prim	88H00016	H	500UL	340885
46	35	125	0.40	163	20	P	2 VSM	-0.86			TECTEH			P5436	prim	88H00017	H	500UL	340903
47			0.34	139	18	P	2 VSM	+0.81			TECTEH			P5436	prim	88H00017	H	500UL	340903
48	35	153	0.34	117	19	P	2 VSM	-0.76			TECTEH			J1978	prim	88H00039	H	500UL	340886
49	36	46	0.20	112	10	P	2 07H	-0.27			TEHTEC			T5565	prim	88C00086	C	500UL	340821

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 : MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
50			0.41	54	18	P 2	VSM	-0.77			T5565 prim 88C00086	C	600UL				340821
51			0.38	107	17	P 2	VSM	+0.35			T5565 prim 88C00086	C	600UL				340821
52	36	50	0.40	108	14	P 2	07H	+0.44			F7460 prim 88C00048	C	600UL				340901
53			0.29	153	11	P 2	07H	+0.96			F7460 prim 88C00048	C	600UL				340901
54	36	52	0.43	73	16	P 2	06H	+0.47			W4786 seco 88C00048	C	600UL				340901
55	36	66	0.54	60	17	P 2	VSM	-0.38			T5356 prim 88C00061	C	600UL				340946
56	36	63	0.33	13	SAI	2	TSH	-1.58	0.33	0.09	W5710 reso 88H00100	H	600PP2				340926
57			0.52	17	SAI	3	TSH	-1.57	0.39	0.11	W5710 reso 88H00100	H	600PP2				340926
58	36	72	0.55	15	SAI	2	TSH	-3.08	0.77	0.2	R1509 reso 88H00095	H	600PP2				340926
59	36	74	0.33	13	SAI	2	TSH	-5.07	0.53	0.1	P5006 reso 88H00097	H	600PP2				340955
60	36	108	0.47	113	13	P 2	VSM	-0.83			H5651 seco 88H00010	H	600UL				340885
61			0.49	100	13	P 2	VSM	-0.10			H5651 seco 88H00010	H	600UL				340885
62	36	112	0.31	154	10	P 2	VSM	-0.85			X7060 reso 88H00012	H	600UL				340885
63			0.68	143	20	P 2	VSM	+0.61			O5001 prim 88H00012	H	600UL				340885
64	36	116	0.26	15	SAI	2	TSH	-3.49	0.50	0.2	R1509 reso 88H00063	H	600PP				338346
65			0.40	15	SAI	2	TSH	-1.92	0.44	0.2	R1509 reso 88H00063	H	600PP				338346
66			0.42	14	SAI	2	TSH	-0.58	0.47	0.2	R1509 reso 88H00063	H	600PP				338346
67	36	146	0.81	129	23	P 2	VSM	+0.79			H3464 prim 88H00036	H	600UL				340928
68	37	43	0.21	111	15	P 2	VSM	-0.74			L7773 prim 88C00002	C	600UL				332249
69			0.42	94	24	P 2	VSM	+0.72			L7773 prim 88C00002	C	600UL				332249
70	37	51	0.66	119	22	P 2	07H	+0.53			W4786 seco 88C00048	C	600UL				340901
71	37	141	0.56	33	24	P 2	02H	-0.49			M6643 seco 88H00034	H	600UL				340885
72	37	147	0.28	140	12	P 2	VSM	+0.73			H3464 prim 88H00036	H	600UL				340928
73	38	46	0.38	65	17	P 2	VSM	-0.70			T5565 prim 88C00086	C	600UL				340821
74	38	66	0.37	78	15	P 2	VSM	+0.82			L8714 prim 88C00062	C	600UL				340826
75	38	70	0.76	13	SAI	2	TSH	-2.32	1.21	0.2	P5006 reso 88H00097	H	600PP2				340955
76	38	74	1.03	107	35	P 3	DBH	-1.63			B4052 prim 88C00067	C	600UL				340946
77	38	106	0.28	72	12	P 2	VSM	+0.80			P5436 prim 88H00008	H	600UL				340885
78	39	13	0.24	112	10	P 2	VSM	-0.91			D3858 reso 88C00018	C	600UL				340816
79	39	41	0.28	125	11	P 2	VSM	-0.90			O1057 prim 88C00004	C	600UL				332249
80			0.31	124	12	P 2	VSM	+0.86			M0554 reso 88C00004	C	600UL				332249
81	39	65	0.48	114	13	P 2	VSM	+0.92			L8714 prim 88C00062	C	600UL				340826
82	39	75	1.29	71	39	P 3	DBH	+1.80			E4963 reso 88C00067	C	600UL				340946
83			0.57	68	21	P 2	VSM	+0.95			N0942 reso 88C00067	C	600UL				340946
84			0.29	151	15	P 3	DBC	-1.74			E4963 reso 88C00067	C	600UL				340946
85	40	38	0.43	103	15	P 2	VSM	-0.82			L7773 prim 88C00006	C	600UL				332249
86	40	40	0.47	159	19	P 2	VSM	+0.95			J6276 prim 88C00003	C	600UL				332261
87	40	68	0.69	65	22	P 2	VSM	+0.95			T6956 prim 88C00063	C	600UL				340946
88	40	74	0.33	158	11	P 2	VSM	+0.85			N0942 reso 88C00063	C	600UL				340826
89			1.23	134	27	P 3	DBC	+1.78			N0942 reso 88C00063	C	600UL				340826
90	40	104	0.30	37	19	P 2	VSM	+0.89			J9815 prim 88H00007	H	600UL				340819
91	40	122	0.32	91	12	P 2	07H	-0.52			M7262 reso 88H00015	H	600UL				340885
92	41	101	0.38	74	23	P 3	DBH	-2.00			R5555 seco 88H00007	H	600UL				340819
93	42	74	0.73	63	29	P 3	DBH	-1.67			N0942 reso 88C00067	C	600UL				340946
94	42	76	1.12	70	26	P 3	DBH	-1.69			N0942 reso 88C00063	C	600UL				340826
95			1.99	113	36	P 3	DBC	+1.79			N0942 reso 88C00063	C	600UL				340826
96	42	102	0.94	62	36	P 3	DBH	-1.95			P5436 prim 88H00008	H	600UL				340885
97	42	124	0.35	140	19	P 2	01H	+0.78			P5436 prim 88H00017	H	600UL				340903
98	42	138	0.27	99	15	P 2	VSM	-0.71			M4882 seco 88H00031	H	600UL				340886

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG34 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-1004 TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 38
DATABASE: SONGS_U3_0101_SG38

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
99	43	5	0.72	95	21	P	2 04C	-0.22	TEHTEC		34052	prim	38C00023	C	500UL		332256	
100	43	13	0.48	123	17	P	2 VSM	-0.75	TEHTEC		03858	reso	38C00013	C	500UL		340816	
101	43	31	0.29	145	11	P	2 VSM	-0.39	TEHTEC		J9815	prim	38C00008	C	500UL		332249	
102	43	123	0.22	93	9	P	2 07H	-0.52	TECTEH		E4963	seco	38H00013	H	500UL		340835	
103	43	149	0.35	49	17	P	2 VSM	+0.31	TECTEH		P5006	reso	38H00037	H	500UL		340886	
104	44	13	0.47	100	16	P	2 03H	+0.37	TEHTEC		X7060	reso	38C00016	C	500UL		340816	
105	44	72	0.59	135	18	P	2 VSM	-0.37	TEHTEC		N0942	reso	38C00065	C	500UL		340946	
106	44	76	1.05	79	35	P	3 DBH	-1.33	TEHTEC		N0942	reso	38C00067	C	500UL		340946	
107	44	78	2.31	73	44	P	3 DBH	+0.07	TEHTEC		E0864	seco	38C00070	C	500UL		340826	
108	44	100	0.37	60	15	P	3 DBH	-1.73	TECTEH		P4578	seco	38H00006	H	500UL		340885	
109	44	108	0.41	122	15	P	2 VSM	-0.92	TECTEH		O5001	prim	38H00010	H	500UL		340835	
110			0.38	77	15	P	2 VSM	-0.28	TECTEH		O5001	prim	38H00010	H	500UL		340885	
111	44	110	0.42	109	15	P	2 VSM	+0.37	TECTEH		H5651	seco	38H00010	H	500UL		340885	
112	44	154	0.40	74	17	P	2 VSM	+0.36	TECTEH		K7614	seco	38H00040	H	500UL		340832	
113	45	45	0.23	98	15	P	2 VSM	-0.59	TEHTEC		W2155	seco	38C00002	C	500UL		332249	
114	45	75	0.38	115	19	P	3 DBC	-2.14	TEHTEC		E4963	reso	38C00067	C	500UL		340946	
115	45	77	1.04	167	33	P	3 DBH	+1.39	TEHTEC		W2545	seco	38C00069	C	500UL		340946	
116	45	79	1.77	41	43	P	3 DBH	+1.99	TEHTEC		W2545	seco	38C00069	C	500UL		340946	
117	46	102	1.54	106	45	P	3 DBH	-1.90	TECTEH		P5436	prim	38H00009	H	500UL		340835	
118	46	130	1.51	93	38	P	2 VSM	-0.66	TECTEH		J2362	seco	38H00020	H	500UL		340885	
119	47	37	1.43	102	34	P	2 VSM	+0.94	TEHTEC		S7752	reso	38C00006	C	500UL		332249	
120	47	61	0.40	85	19	P	2 VSM	+0.32	TEHTEC		K9208	seco	38C00056	C	500UL		340826	
121	47	73	0.38	119	19	P	3 DBC	-1.96	TEHTEC		34052	prim	38C00067	C	500UL		340946	
122	47	87	2.09	113	42	P	3 DBH	-1.73	TEHTEC		W4786	seco	38C00049	C	500UL		340946	
123			0.90	155	26	P	3 DBH	+1.79	TEHTEC		W4786	seco	38C00049	C	500UL		340946	
124			1.32	109	32	P	2 VSM	-0.86	TEHTEC		J6276	prim	38C00049	C	500UL		340946	
125			1.51	115	34	P	2 VSM	-0.64	TEHTEC		J6276	prim	38C00049	C	500UL		340946	
126			1.14	111	30	P	2 VSM	-0.05	TEHTEC		J6276	prim	38C00049	C	500UL		340946	
127			1.52	107	36	P	3 DBC	-1.90	TEHTEC		J6276	prim	38C00049	C	500UL		340946	
128			0.42	143	15	P	3 DBC	+1.67	TEHTEC		J6276	prim	38C00049	C	500UL		340946	
129			0.47	108	17	P	2 06C	-0.97	TEHTEC		G4841	reso	38C00049	C	500UL		340946	
130	47	101	0.31	68	18	P	3 DBC	-1.51	TECTEH		P5436	prim	38H00008	H	500UL		340835	
131	47	113	0.58	112	17	P	2 VSM	+0.63	TECTEH		F7460	prim	38H00012	H	500UL		340835	
132	47	149	0.33	100	17	P	2 VSM	-0.77	TECTEH		H3464	prim	38H00037	H	500UL		340836	
133			0.31	137	15	P	2 VSM	+0.68	TECTEH		H3464	prim	38H00037	H	500UL		340836	
134	47	151	0.72	134	29	P	2 VSM	-0.75	TECTEH		H3464	prim	38H00037	H	500UL		340886	
135			0.66	64	28	P	2 VSM	-0.08	TECTEH		H3464	prim	38H00037	H	500UL		340886	
136			0.55	87	25	P	2 VSM	+0.77	TECTEH		P5006	reso	38H00037	H	500UL		340886	
137	48	50	0.32	105	12	P	2 VSM	-0.75	TEHTEC		F7460	prim	38C00048	C	500UL		340901	
138	48	68	0.46	123	17	P	2 VSM	-0.30	TEHTEC		T6956	prim	38C00063	C	500UL		340946	
139	48	30	0.47	68	18	P	3 DBH	-1.51	TEHTEC		L2157	prim	38C00069	C	500UL		340946	
140			0.39	149	15	P	3 DBC	-1.74	TEHTEC		L2157	prim	38C00069	C	500UL		340946	
141	48	96	0.86	134	36	P	3 DBH	+2.14	TECTEH		T5565	prim	38H00005	H	500UL		340819	
142			0.70	105	32	P	3 DBC	+1.95	TECTEH		T5565	prim	38H00005	H	500UL		340819	
143	48	100	0.40	176	15	P	3 DBH	+1.62	TECTEH		M7262	reso	38H00006	H	500UL		340835	
144			0.87	108	23	P	2 VSM	-0.38	TECTEH		P4578	seco	38H00006	H	500UL		340835	
145			0.45	78	18	P	2 VSM	-0.34	TECTEH		P4578	seco	38H00006	H	500UL		340835	
146			0.67	98	24	P	2 VSM	+0.76	TECTEH		P4578	seco	38H00006	H	500UL		340835	
147	48	106	0.28	95	12	P	2 VSM	-0.94	TECTEH		P5436	prim	38H00008	H	500UL		340835	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-1004 TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SCNGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE	S/A
148		0.23	141	10	P 2	VSM	+0.00	TECTEH			P5436	prim	38H00008	H	600UL			340885	
149		0.41	114	16	P 2	VSM	+0.79	TECTEH			P5436	prim	38H00008	H	600UL			340885	
150	48	112	0.77	73	21	P 2	VSM	+0.79	TECTEH		05001	prim	38H00012	H	600UL			340885	
151	48	126	0.41	146	13	P 2	VSM	+0.70	TECTEH		J2362	seco	38H00020	H	600UL			340885	
152	48	152	0.48	132	25	P 2	VSM	-0.74	TECTEH		J1378	prim	38H00039	H	600UL			340886	
153	48	154	0.36	136	16	P 2	VSM	+0.32	TECTEH		K7614	seco	38H00040	H	600UL			340832	
154	49	7	0.20	96	7	P 2	06H	-1.11	TEHTEC		34052	prim	38C00023	C	600UL			332256	
155	49	41	0.57	105	22	P 2	08H	+1.74	TEHTEC	LCCCK	M7262	reso	38C00003	C	600UL			332261	
156	49	43	0.34	92	21	P 2	08H	-1.25	TEHTEC	LCCCK	M7262	reso	38C00002	C	600UL			332249	
157			0.31	86	19	P 2	08H	+1.70	TEHTEC	LCCCK	M7262	reso	38C00002	C	600UL			332249	
158	49	49	0.27	151	12	P 2	08H	-1.20	TEHTEC		L7773	prim	38C00046	C	600UL			340901	
159			0.30	82	13	P 2	08H	-1.60	TEHTEC	LCCCK	G4841	reso	38C00046	C	600UL			340901	
160			0.42	124	17	P 2	08C	-1.67	TEHTEC	LCCCK	G4841	reso	38C00046	C	600UL			340901	
161	49	59	0.50	121	16	P 2	08C	+1.00	TEHTEC		M0554	reso	38C00053	C	600UL			340946	
162	49	81	0.72	122	24	P 3	DBC	+1.78	TEHTEC		L2157	prim	38C00069	C	600UL			340946	
163	49	125	0.36	129	14	P 2	08H	-1.18	TECTEH	LCCCK	M7262	reso	38H00018	H	600UL			340885	
164			0.43	39	16	P 2	08H	+1.53	TECTEH	LCCCK	M7262	reso	38H00018	H	600UL			340885	
165	49	131	0.17	47	15	P 3	DBH	-0.93	TECTEH		W2155	seco	38H00021	H	600UL			340903	
166	50	56	0.49	113	17	P 2	02H	-1.15	TEHTEC		T6873	seco	38C00051	C	600UL			340946	
167	50	80	0.83	57	27	P 3	DBH	-1.97	TEHTEC		E0864	seco	38C00070	C	600UL			340826	
168	50	88	0.33	139	12	P 2	08H	+1.25	TEHTEC		W5710	reso	38C00049	C	600UL			340946	
169			0.53	105	18	P 3	DBH	-1.35	TEHTEC		J6276	prim	38C00049	C	600UL			340946	
170			0.68	110	22	P 3	DBC	-1.34	TEHTEC		J6276	prim	38C00049	C	600UL			340946	
171	50	100	0.31	45	17	P 3	DBH	-1.42	TECTEH		H5651	seco	38H00005	H	600UL			340819	
172	51	83	0.38	93	14	P 3	DBC	-2.00	TEHTEC		H2131	prim	38C00072	C	600UL			340827	
173	51	89	1.32	138	33	P 3	DBH	+1.32	TEHTEC		J6276	prim	38C00049	C	600UL			340946	
174			0.60	59	20	P 3	DBC	-2.08	TEHTEC		J6276	prim	38C00049	C	600UL			340946	
175			0.79	136	24	P 3	DBC	+1.74	TEHTEC		S7752	reso	38C00049	C	600UL			340946	
176	51	91	0.58	89	28	P 3	DBH	-1.75	TECTEH		P5436	prim	38H00003	H	600UL			340819	
177			0.45	32	23	P 3	DBH	+1.75	TECTEH		P5436	prim	38H00003	H	600UL			340819	
178			0.22	43	13	P 3	DBC	+1.90	TECTEH		P5436	prim	38H00003	H	600UL			340819	
179	51	97	0.46	89	24	P 3	DBH	-1.69	TECTEH		T5565	prim	38H00005	H	600UL			340819	
190			0.35	32	20	P 3	DBH	+1.41	TECTEH		T5565	prim	38H00005	H	600UL			340819	
191			0.63	73	30	P 3	DBC	-1.89	TECTEH		T5565	prim	38H00005	H	600UL			340819	
192	51	99	0.27	43	11	P 3	DBH	-1.75	TECTEH		P4578	seco	38H00006	H	600UL			340835	
193	51	163	0.20	140	13	P 2	VSM	-0.99	TECTEH		05001	prim	38H00043	H	600UL			340886	
194	52	26	0.32	103	12	P 2	VH3	-0.83	TEHTEC		S1348	prim	38C00012	C	600UL			340816	
195			0.29	90	11	P 2	VH3	+0.68	TEHTEC		S1348	prim	38C00012	C	600UL			340816	
196	52	90	2.25	99	42	P 3	DBH	-1.62	TEHTEC		J6276	prim	38C00050	C	600UL			340826	
187	52	92	0.76	136	31	P 3	DBH	-1.64	TECTEH		B1055	prim	38H00004	H	600UL			340885	
198			1.06	143	37	P 3	DBH	+1.75	TECTEH		B1055	prim	38H00004	H	600UL			340885	
189	52	94	1.13	105	39	P 3	DBH	-1.71	TECTEH		B1055	prim	38H00004	H	600UL			340885	
190	52	98	0.31	22	13	P 3	DBH	+1.60	TECTEH		M7262	reso	38H00006	H	600UL			340835	
191	52	168	0.27	94	10	P 2	01H	-0.05	TECTEH		M4882	seco	38H00045	H	600UL			340886	
192			0.32	109	12	P 2	01C	-0.05	TECTEH		M4882	seco	38H00045	H	600UL			340886	
193	53	83	0.67	132	22	P 3	DBC	-1.84	TEHTEC		34052	prim	38C00071	C	600UL			340946	
194	53	85	0.34	85	12	P 3	DBH	-1.66	TEHTEC		34052	prim	38C00071	C	600UL			340946	
195			0.55	60	19	P 3	DBH	+1.81	TEHTEC		34052	prim	38C00071	C	600UL			340946	
196	53	93	0.65	106	30	P 3	DBH	-1.66	TECTEH		P5436	prim	38H00003	H	600UL			340819	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAL,MCI,MMI,MVI,SAL,SVI,SCI 0-100V TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 88
DATABASE: SCNGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
197	53	95	0.22	39	13	P 3	DBC	-1.51	TECTEH		P5436	prim	88H00003	H	600UL		340819
198	54	92	0.44	106	23	P 3	DBH	-1.74	TECTEH		P5436	prim	88H00003	H	600UL		340819
199	54	94	0.26	141	15	P 3	DBH	-1.78	TECTEH		P5436	prim	88H00003	H	600UL		340819
200			0.24	120	14	P 3	DBC	+2.00	TECTEH		P5436	prim	88H00003	H	600UL		340819
201	54	98	0.19	105	12	P 3	DBH	-1.94	TECTEH		T5565	prim	88H00005	H	600UL		340819
202	54	150	0.30	90	15	P 2	VSM	-0.83	TECTEH		P5006	reso	88H00017	H	600UL		340885
203	54	152	0.46	132	24	P 2	VH3	-0.98	TECTEH		M7252	reso	88H00039	H	600UL		340885
204	55	83	1.91	116	40	P 3	DBH	+1.81	TEHTEC		H2131	prim	88C00072	C	600UL		340827
205	55	93	0.67	116	23	P 3	DBH	-1.52	TECTEH		B1055	prim	88H00004	H	600UL		340835
206	55	97	0.33	125	19	P 3	DBH	-1.73	TECTEH		T5565	prim	88H00005	H	600UL		340819
207	55	157	0.37	150	14	P 2	VSM	+0.93	TECTEH		M4882	seco	88H00045	H	600UL		340836
208			0.39	153	15	P 2	VC3	+0.70	TECTEH		M4882	seco	88H00045	H	600UL		340836
209	56	30	0.40	96	14	P 2	03H	-1.24	TEHTEC		G4841	reso	88C00044	C	600UL		340946
210	56	46	0.59	116	22	P 2	08H	+0.74	TEHTEC		C3697	prim	88C00046	C	600UL		340901
211	56	48	0.32	158	14	P 2	08H	+0.87	TEHTEC		B8090	reso	88C00046	C	600UL		340901
212	56	82	0.40	110	16	P 3	DBH	-1.43	TEHTEC		L2157	prim	88C00069	C	600UL		340946
213	56	84	1.04	39	30	P 3	DBH	+1.83	TEHTEC		W2545	seco	88C00071	C	600UL		340946
214	56	92	0.62	86	27	P 3	DBH	-1.70	TECTEH		B1055	prim	88H00004	H	600UL		340885
215	56	100	0.22	20	10	P 2	VSM	-0.39	TECTEH		P4578	seco	88H00006	H	600UL		340835
216	56	146	0.39	122	16	P 2	VH3	-0.94	TECTEH		H3464	prim	88H00036	H	600UL		340928
217	56	166	0.49	111	21	P 2	01C	-0.92	TECTEH		J6276	prim	88H00045	H	600UL		340836
218	57	83	0.23	70	3	P 3	DBC	-1.98	TEHTEC		B4052	prim	88C00071	C	600UL		340946
219	57	89	1.25	120	32	P 3	DBH	+1.89	TEHTEC		J6276	prim	88C00049	C	600UL		340946
220	57	143	0.54	93	24	P 2	05H	-0.27	TECTEH		T6956	prim	88H00034	H	600UL		340885
221	57	147	0.27	150	11	P 2	VH3	-1.07	TECTEH		H3464	prim	88H00036	H	600UL		340928
222	58	20	0.30	92	11	P 2	02H	+0.83	TEHTEC		K7060	reso	88C00015	C	600UL		332256
223	58	44	0.23	86	13	P 2	08H	-0.44	TEHTEC		P4578	seco	88C00001	C	600UL		332261
224	58	84	0.53	122	13	P 3	DBH	+1.79	TEHTEC		H2131	prim	88C00072	C	600UL		340827
225	58	94	1.03	103	37	P 3	DBH	-1.73	TECTEH		K9208	seco	88H00004	H	600UL		340885
226	59	83	0.99	133	28	P 3	DBH	+1.75	TEHTEC		H2131	prim	88C00072	C	600UL		340827
227	59	85	0.58	28	20	P 3	DBH	+1.78	TEHTEC		H2131	prim	88C00072	C	600UL		340827
228	59	91	0.19	87	11	P 3	DBC	-1.75	TECTEH		P5436	prim	88H00003	H	600UL		340819
229	60	16	0.45	130	17	P 2	03H	-1.18	TEHTEC		D3858	reso	88C00018	C	600UL		340816
230	60	30	0.40	118	14	P 2	VH3	-0.69	TEHTEC		H3464	prim	88C00044	C	600UL		340946
231	60	32	0.37	50	14	P 2	VC3	+0.95	TEHTEC		J9815	prim	88C00008	C	600UL		332249
232	60	128	0.26	36	13	P 2	08H	+0.28	TECTEH		J2362	seco	88H00020	H	600UL		340885
233	61	13	0.30	109	11	P 2	VH3	+0.94	TEHTEC		S1348	prim	88C00015	C	600UL		332256
234	61	29	0.31	47	12	P 2	VH3	-0.54	TEHTEC		M4882	seco	88C00010	C	600UL		332256
235	61	35	0.33	100	16	P 2	VH3	-0.92	TEHTEC		T6956	prim	88C00005	C	600UL		332251
236	61	47	0.33	135	10	P 2	08H	+0.58	TEHTEC		K7060	reso	88C00045	C	600UL		340946
237	61	79	0.43	59	16	P 2	VSM	+0.83	TEHTEC		J1978	prim	88C00070	C	600UL		340826
238	61	83	0.49	162	17	P 3	DBC	-1.14	TEHTEC		W2545	seco	88C00071	C	600UL		340946
239	61	85	0.38	28	13	P 3	DBH	+1.89	TEHTEC		W2545	seco	88C00071	C	600UL		340946
240	61	89	0.41	126	14	P 3	DBH	+1.70	TEHTEC		J6276	prim	88C00049	C	600UL		340946
241	61	91	0.61	109	27	P 3	DBC	-1.34	TECTEH		B1055	prim	88H00004	H	600UL		340885
242	61	129	0.40	123	17	P 2	08H	+0.41	TECTEH		W2545	seco	88H00019	H	600UL		340903
243	61	167	0.35	157	13	P 2	VC3	+0.90	TECTEH		M4882	seco	88H00045	H	600UL		340836
244	62	90	1.00	106	28	P 3	DBH	+1.76	TEHTEC		J6276	prim	88C00049	C	600UL		340946
245	62	100	0.22	142	15	P 2	VSM	-1.03	TECTEH		T5565	prim	88H00005	H	600UL		340819

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG33 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100V TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG33

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
246	62	166	0.29	73	13	P 2	01H	-0.03			M6643	seco	88H00046	H	500UL		331930	
247	63	39	0.32	71	12	P 2	02H	+0.92			L7773	prim	88C00006	C	500UL		332249	
248	63	85	0.15	110	SAI	2	TSH	+0.42	0.23	0.2	W5710	reso	88H00095	H	500PPZ		340837	
249			0.42	70	14	P 2	VCS	-0.59			D4325	seco	88C00072	C	500UL		340827	
250	63	91	0.29	148	17	P 3	DBC	-1.75			P5436	prim	88H00003	H	500UL		340819	
251	64	54	0.24	24	10	P 2	08H	-0.33			W4786	seco	88C00043	C	500UL		340901	
252	64	122	0.35	147	13	P 2	VSM	-0.92			C1115	seco	88H00017	H	500UL		340903	
253			0.45	155	22	P 2	VSM	+0.83			C1115	seco	88H00017	H	500UL		340903	
254	64	129	0.30	121	14	P 2	08H	+0.33			J2362	seco	88H00020	H	500UL		340885	
255	64	146	0.22	65	9	P 2	VCS	-0.75			H3464	prim	88H00036	H	500UL		340928	
256	64	166	0.43	142	17	P 2	VH3	-1.02			M4882	seco	88H00045	H	500UL		340886	
257	65	11	0.45	129	17	P 2	VH3	-0.71			M7262	reso	88C00013	C	500UL		340816	
258	65	55	0.26	126	10	P 2	08H	+0.69			T5956	prim	88C00051	C	500UL		340946	
259	65	73	0.33	35	11	P 2	02H	+0.93			B4052	prim	88C00068	C	500UL		340826	
260	65	89	0.40	72	15	P 3	DBC	-1.49			J6276	prim	88C00050	C	500UL		340826	
261	65	155	0.27	74	12	P 2	VH3	-0.88			K7614	seco	88H00040	H	500UL		340832	
262	65	161	0.46	102	19	P 2	VH3	-0.83			T6956	prim	88H00044	H	500UL		331930	
263	65	14	0.46	117	17	P 2	04C	-0.22			D3858	reso	88C00018	C	500UL		340816	
264	67	45	0.20	124	13	P 2	08H	+0.41			M7262	reso	88C00002	C	500UL		332249	
265	67	75	0.54	153	17	P 2	02H	-0.20			E0864	seco	88C00068	C	500UL		340826	
266	67	89	0.44	91	15	P 3	DBC	-1.73			J6276	prim	88C00049	C	500UL		340946	
267	67	143	0.75	110	29	P 2	VH3	+0.72			M6643	seco	88H00034	H	500UL		340895	
268	68	94	0.37	121	20	P 3	DBH	-1.84			P5436	prim	88H00003	H	500UL		340819	
269	69	53	0.43	158	16	P 2	VCS	-0.73			W4786	seco	88C00048	C	500UL		340901	
270	69	89	0.40	75	14	P 3	DBC	-1.97			S7752	reso	88C00049	C	500UL		340946	
271	69	93	0.30	130	17	P 2	VSM	+0.67			P5436	prim	88H00003	H	500UL		340819	
272	69	159	0.34	62	19	P 2	VCS	+0.79			O5001	prim	88H00043	H	500UL		340886	
273	70	50	0.28	119	9	P 2	08H	-0.91			J6276	prim	88C00045	C	500UL		340946	
274	70	104	0.38	134	15	P 2	08H	-0.10			P4579	seco	88H00008	H	500UL		340885	
275	70	114	0.29	118	13	P 2	07H	-0.91			J2362	seco	88H00013	H	500UL		340903	
276	70	138	0.34	113	13	P 2	VCS	-0.88			M4882	seco	88H00031	H	500UL		340886	
277	70	162	0.35	145	14	P 2	08H	+0.76			K7614	seco	88H00044	H	500UL		331930	
278	70	164	0.18	19	11	P 2	08H	+1.09			O5001	prim	88H00043	H	500UL		340886	
279	71	15	0.30	84	12	P 2	VH3	-1.04			D3858	reso	88C00018	C	500UL		340816	
280	71	21	0.32	74	12	P 2	VH3	-0.81			L2157	prim	88C00014	C	500UL		340816	
281	71	47	0.43	87	20	P 2	VH3	-0.32			B8090	reso	88C00046	C	500UL		340901	
282			0.57	144	21	P 2	VH3	+0.89			C3697	prim	88C00046	C	500UL		340901	
283			1.14	130	32	P 2	VSM	-0.87			C3697	prim	88C00046	C	500UL		340901	
284			0.41	111	16	P 2	VSM	+0.36			E0864	seco	88C00046	C	500UL		340901	
285			0.34	94	14	P 2	VCS	+0.97			C3697	prim	88C00046	C	500UL		340901	
286	71	55	0.43	144	13	P 2	VH3	+1.07			J6276	prim	88C00052	C	500UL		340826	
287			1.55	111	37	P 2	VSM	+0.75			J6276	prim	88C00052	C	500UL		340826	
288	72	14	0.33	141	15	P 3	DBC	-1.79			L2157	prim	88C00017	C	500UL		332256	
289	72	34	0.55	118	19	P 2	VSM	-0.85			J9815	prim	88C00008	C	500UL		332249	
290	72	42	0.41	126	15	P 2	VH3	+0.71			O1057	prim	88C00004	C	500UL		332249	
291	72	58	0.44	130	15	P 2	08H	+0.70			J6276	prim	88C00054	C	500UL		340826	
292	72	148	0.32	107	14	P 2	VCS	+0.84			H3464	prim	88H00039	H	500UL		340928	
293	73	31	0.34	115	13	P 2	VH3	+0.96			L2157	prim	88C00009	C	500UL		332256	
294	73	33	0.40	156	17	P 3	DBH	+1.64			T3673	seco	88C00009	C	500UL		332256	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG83 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
295	73	43	0.42	102	21	P	2 VC3	-0.74	TEHTEC		P4578	seco	88C0001	C	600UL		332261	
296			0.39	125	20	P	2 VC3	+0.03	TEHTEC		P5006	reso	88C0001	C	600UL		332261	
297			0.76	122	31	P	2 VC3	+0.88	TEHTEC		P4578	seco	88C0001	C	600UL		332261	
298	73	45	0.25	59	14	P	2 VC3	+0.28	TEHTEC		J6276	prim	88C0001	C	600UL		332261	
299	73	53	0.42	119	15	P	2 VC3	+0.29	TEHTEC		W4786	seco	88C00048	C	600UL		340901	
300			0.54	113	19	P	2 VC3	+0.80	TEHTEC		W4786	seco	88C00048	C	600UL		340901	
301	73	61	0.48	76	15	P	2 VSM	+0.88	TEHTEC		T5956	prim	88C00055	C	600UL		340946	
302	73	65	0.36	127	12	P	2 VH3	-0.73	TEHTEC		T5956	prim	88C00061	C	600UL		340946	
303	73	87	2.23	110	42	P	2 VH3	+0.85	TEHTEC		J6276	prim	88C00050	C	600UL		340826	
304	73	107	0.23	61	15	P	2 VH3	-0.82	TECTEH		M7262	reso	88H00007	H	600UL		340819	
305	73	111	0.34	144	19	P	2 VSM	-0.64	TECTEH		05001	prim	88H00051	H	600UL		340886	
306	73	143	0.61	93	26	P	2 VH3	+0.86	TECTEH		J1973	prim	88H00035	H	600UL		340886	
307	73	153	0.30	147	13	P	2 VH3	-0.90	TECTEH		H3464	prim	88H00040	H	600UL		340832	
308	74	20	0.33	132	13	P	3 DBH	+2.00	TEHTEC		G4841	reso	88C00015	C	600UL		332256	
309	74	118	0.40	76	19	P	2 08H	+0.87	TECTEH		J1220	seco	88H00015	H	600UL		340903	
310	74	160	0.31	103	18	P	2 08C	-0.25	TECTEH		P4578	seco	88H00043	H	600UL		340886	
311	75	31	0.31	57	12	P	2 VH3	+0.93	TEHTEC		J9815	prim	88C00008	C	600UL		332249	
312	75	33	0.32	133	12	P	2 VC3	+0.80	TEHTEC		J9815	prim	88C00008	C	600UL		332249	
313	75	45	0.21	67	14	P	2 VH3	+1.17	TEHTEC		W2155	seco	88C00002	C	600UL		332249	
314			0.32	80	20	P	2 VSM	+1.13	TEHTEC		W2155	seco	88C00002	C	600UL		332249	
315	75	47	0.34	93	14	P	2 VH3	+0.20	TEHTEC		E0864	seco	88C00046	C	600UL		340901	
316	75	75	0.40	98	13	P	2 VSM	-0.90	TEHTEC		B4052	prim	88C00068	C	600UL		340826	
317			0.35	161	12	P	2 VSM	+1.10	TEHTEC		B4052	prim	88C00068	C	600UL		340826	
318	76	34	0.65	94	22	P	2 VH3	+1.03	TEHTEC		J9815	prim	88C00008	C	600UL		332249	
319	76	36	0.58	124	19	P	2 VH3	-0.81	TEHTEC		T6878	seco	88C00006	C	600UL		332249	
320			0.41	143	15	P	2 VH3	-0.21	TEHTEC		T6878	seco	88C00006	C	600UL		332249	
321	76	40	0.37	91	16	P	2 VH3	+0.94	TEHTEC		J6276	prim	88C00003	C	600UL		332261	
322	76	48	0.29	140	13	P	2 VH3	+0.87	TEHTEC		L7773	prim	88C00046	C	600UL		340901	
323			0.51	139	19	P	2 VSM	-0.90	TEHTEC		L7773	prim	88C00046	C	600UL		340901	
324			0.43	141	17	P	2 VSM	+0.96	TEHTEC		L7773	prim	88C00046	C	600UL		340901	
325			0.44	60	18	P	2 VC3	+1.13	TEHTEC		L7773	prim	88C00046	C	600UL		340901	
326	76	56	0.41	143	17	P	2 04C	+0.84	TEHTEC		J6276	prim	88C00052	C	600UL		340826	
327	76	62	0.45	131	19	P	2 04C	+0.89	TEHTEC		X9208	seco	88C00058	C	600UL		340826	
328	76	68	0.52	65	18	P	2 07H	+0.93	TEHTEC		T5956	prim	88C00063	C	600UL		340946	
329			0.29	83	11	P	2 03H	+1.14	TEHTEC		T5956	prim	88C00063	C	600UL		340946	
330	76	72	0.29	88	7	P	2 VH3	-0.96	TEHTEC		H2131	prim	88C00065	C	600UL		340946	
331	76	90	0.27	51	10	P	2 08C	-0.19	TEHTEC		D3858	reso	88C00049	C	600UL		340946	
332	76	114	0.42	121	15	P	2 VH3	+0.53	TECTEH		R3710	prim	88H00014	H	600UL		340885	
333	76	132	0.33	149	14	P	2 VH3	+0.61	TECTEH		N9952	prim	88H00022	H	600UL		340885	
334	76	136	0.57	104	23	P	2 VH3	+0.97	TECTEH		T6956	prim	88H00032	H	600UL		340885	
335			0.33	117	15	P	2 VSM	-0.94	TECTEH		T5956	prim	88H00032	H	600UL		340885	
336	77	15	0.31	109	14	P	3 DBC	-1.99	TEHTEC		L2157	prim	88C00017	C	600UL		332256	
337	77	29	0.27	128	10	P	2 VC3	-0.79	TEHTEC		T5956	prim	88C00010	C	600UL		332256	
338	77	31	0.63	120	21	P	2 VSM	+0.95	TEHTEC		L2157	prim	88C00009	C	600UL		332256	
339			0.31	105	11	P	2 VC3	+0.92	TEHTEC		L2157	prim	88C00009	C	600UL		332256	
340	77	57	0.28	68	10	P	2 02H	-1.17	TEHTEC		T6878	seco	88C00051	C	600UL		340946	
341			0.33	125	12	P	2 VC3	+0.28	TEHTEC		T6956	prim	88C00051	C	600UL		340946	
342			0.56	74	19	P	2 VC3	+0.96	TEHTEC		T5956	prim	88C00051	C	600UL		340946	
343	77	77	0.68	131	27	P	2 VH3	-0.76	TEHTEC		L2157	prim	88C00069	C	600UL		340946	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SGs : MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-1004 TMD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/:
344		0.94	119	32	P	2	VH3	-0.95			L2157 prim 88C00069	C	600UL					340946
345		0.27	91	14	P	2	VC3	-0.14			L2157 prim 88C00069	C	600UL					340946
346		0.56	138	24	P	2	VC3	+0.34			K7060 reso 88C00069	C	600UL					340946
347		0.56	53	24	P	2	VC3	+0.83			L2157 prim 88C00069	C	600UL					340946
348	77	113	0.34	95	20	P	2	VH3	-0.81		J2352 seco 88H00011	H	600UL					340903
349	77	131	0.25	119	17	P	2	VH3	-0.83		W2155 seco 88H00021	H	600UL					340903
350	77	161	0.23	119	11	P	2	08C	-1.08		T6956 prim 88H00044	H	600UL					331930
351		0.24	29	11	P	2	07C	-0.92			T6956 prim 88H00044	H	600UL					331930
352	78	20	0.36	72	13	P	3	DBH	+1.95		S1348 prim 88C00015	C	600UL					332256
353	78	26	0.32	81	12	P	2	VC3	-0.77		T6956 prim 88C00010	C	600UL					332256
354		1.10	77	29	P	2	VC3	+1.19			T6956 prim 88C00010	C	600UL					332256
355	78	30	0.72	77	23	P	2	VSM	+0.85		T6956 prim 88C00010	C	600UL					332256
356	78	46	0.45	146	14	P	2	VH3	+0.07		M7252 reso 88C00045	C	600UL					340946
357		0.37	93	12	P	2	VSM	+0.11			L3714 prim 88C00045	C	600UL					340946
358	78	96	0.26	72	11	P	2	VH3	-0.94		P4573 seco 88H00006	H	600UL					340885
359	78	124	0.49	98	18	P	2	VH3	+0.90		E4963 seco 88H00013	H	600UL					340885
360		0.39	67	15	P	2	VC3	-0.73			E4963 seco 88H00013	H	600UL					340885
361		0.48	68	17	P	2	VC3	-0.90			E4963 seco 88H00013	H	600UL					340885
362	79	17	0.26	102	10	P	2	VH3	-0.78		G4341 reso 88C00015	C	600UL					332256
363	79	21	0.73	98	27	P	3	DBH	+1.89		L2157 prim 88C00014	C	600UL					340816
364		0.34	95	16	P	3	DBC	+1.50			L2157 prim 88C00014	C	600UL					340816
365	79	29	0.38	63	14	P	2	VC3	-0.80		S1348 prim 88C00012	C	600UL					340816
366	79	47	0.31	126	13	P	2	VC3	-0.87		E0854 seco 88C00046	C	600UL					340901
367	79	89	0.56	124	19	P	2	VH3	+0.98		J6276 prim 88C00049	C	600UL					340946
368	79	115	0.43	161	16	P	2	VH3	+0.70		R3710 prim 88H00014	H	600UL					340885
369		0.42	119	15	P	2	VC3	-0.87			R3710 prim 88H00014	H	600UL					340885
370	79	117	0.39	144	14	P	2	07H	-0.83		R3710 prim 88H00014	H	600UL					340885
371		0.57	138	19	P	2	VC3	-1.07			R3710 prim 88H00014	H	600UL					340885
372		0.50	155	17	P	2	VC3	+0.54			R3710 prim 88H00014	H	600UL					340885
373	79	125	0.34	151	18	P	2	VC3	-0.98		B8090 reso 88H00017	H	600UL					340903
374		0.42	150	21	P	2	VC3	+0.88			P5436 prim 88H00017	H	600UL					340903
375	79	131	0.22	46	10	P	2	VSM	-0.54		N9952 prim 88H00022	H	600UL					340885
376	79	161	0.20	25	17	P	3	DBH	+1.53		P4573 seco 88H00043	H	600UL					340886
377	80	22	0.34	117	16	P	3	DBH	+1.93		L2157 prim 88C00014	C	600UL					340816
378	80	38	0.54	131	17	P	3	DBH	+1.73		T6873 seco 88C00006	C	600UL					332249
379		0.74	147	23	P	2	VH3	-0.83			T6873 seco 88C00006	C	600UL					332249
380		0.67	122	21	P	2	VSM	+0.79			T6873 seco 88C00006	C	600UL					332249
381		0.36	132	13	P	2	VC3	-0.81			T6873 seco 88C00006	C	600UL					332249
382	80	40	0.35	88	15	P	2	VH3	+0.44		J6276 prim 88C00003	C	600UL					332261
383		0.35	98	15	P	2	VC3	-0.02			R5555 seco 88C00003	C	600UL					332261
384	80	84	0.23	154	11	P	2	VH3	+0.84		T5565 prim 88C00086	C	600UL					340821
385	80	102	0.36	28	21	P	2	VC3	-0.98		N9952 prim 88H00007	H	600UL					340819
386	80	140	0.47	88	20	P	2	VH3	-0.93		T6956 prim 88H00032	H	600UL					340885
387		0.37	125	16	P	2	VH3	+0.95			T6956 prim 88H00032	H	600UL					340885
388		0.70	102	26	P	2	VC3	-0.99			T6956 prim 88H00032	H	600UL					340885
389		0.49	126	20	P	2	VC3	+0.69			T6956 prim 88H00032	H	600UL					340885
390	80	142	0.58	97	25	P	2	VH3	-0.97		T6956 prim 88H00034	H	600UL					340885
391		0.48	107	22	P	2	VH3	+0.71			T6956 prim 88H00034	H	600UL					340885
392		0.36	85	13	P	2	VSM	-0.85			T6956 prim 88H00034	H	600UL					340885

Inservice Inspection of Steam Generator Tubes

UTILITY: Southern California Edison

SG39 MAL,MCI,MVI,SAL,SVI,SCI 0-1004 TMD

DATE: 02.29.01 13:45

PLANT: SONGS

UNIT: 3

SG: 99

DATABASE: SONGS_U3_0101_SG39

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ROW COL VOLTS DEG PCT CHN FLW LOCATION EXTENT UTILITY UTILITY NAME TYPE CAL GROUP LEO PROBE SIZE PROBE S/N

ROW	COL	VOLTS	DEG	PCT	CHN	FLW	LOCATION	EXTENT	UTILITY	UTILITY	NAME	TYPE	CAL	GROUP	LEO	PROBE SIZE	PROBE S/N
393							2 VSM		TECHN		75356	prtm	88H00034			H 500UL	340985
394							2 VCI		TECHN		75356	prtm	88H00034			H 500UL	340885
395							2 VCI		TECHN		75356	prtm	88H00034			H 500UL	340885
396							2 VHI		TECHN		01057	prtm	88C00009			C 500UL	332256
397							2 VSM		TECHN		01057	prtm	88C00009			C 500UL	332256
398							2 VCI		TECHN		75356	prtm	88C00005			C 500UL	332256
399							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
400							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
401							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
402							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
403							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
404							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
405							2 VHI		TECHN		06276	prtm	88C00003			C 500UL	332256
406							2 VCI		TECHN		75356	prtm	88C00053			C 500UL	340946
407							2 VSM		TECHN		75356	prtm	88C00061			C 500UL	340946
408							2 VSM		TECHN		75356	prtm	88C00061			C 500UL	340946
409							2 VCI		TECHN		75356	prtm	88C00063			C 500UL	340946
410							2 VCI		TECHN		57752	resc	88C00063			C 500UL	340946
411							2 VCI		TECHN		75356	prtm	88C00063			C 500UL	340946
412							2 VHI		TECHN		K7060	resc	88C00069			C 500UL	340946
413							2 VCI		TECHN		02157	prtm	88C00069			C 500UL	340946
414							2 VCI		TECHN		02157	prtm	88C00069			C 500UL	340946
415							2 VHI		TECHN		05001	prtm	88H00051			H 600UL	340886
416							2 VCI		TECHN		05001	prtm	88H00051			H 600UL	340886
417							2 VCI		TECHN		05001	prtm	88H00051			H 600UL	340886
418							2 VSM		TECHN		02362	resc	88H00011			H 600UL	340903
419							2 VSM		TECHN		02362	resc	88H00011			H 600UL	340903
420							2 VCI		TECHN		02362	resc	88H00011			H 600UL	340903
421							2 VHI		TECHN		02362	resc	88H00011			H 600UL	340903
422							2 VHI		TECHN		02220	resc	88H00015			H 600UL	340903
423							2 VHI		TECHN		02545	resc	88H00019			H 600UL	340903
424							2 VCI		TECHN		02545	resc	88H00019			H 600UL	340903
425							2 VHI		TECHN		75356	prtm	88H00034			H 500UL	340885
426							2 VHI		TECHN		75356	prtm	88H00034			H 500UL	340885
427							2 VCI		TECHN		75356	prtm	88H00034			H 500UL	340885
428							2 VHI		TECHN		G4841	resc	88C00057			C 600UL	340946
429							2 VHI		TECHN		L8714	prtm	88C00064			C 600UL	340826
430							2 VSM		TECHN		L8714	prtm	88C00064			C 600UL	340826
431							2 VHI		TECHN		75356	prtm	88H00005			H 600UL	340819
432							2 VHI		TECHN		75356	prtm	88H00005			H 600UL	340819
433							2 VHI		TECHN		K7614	resc	88H00022			H 600UL	340885
434							2 VCI		TECHN		K7614	resc	88H00022			H 600UL	340885
435							2 VHI		TECHN		L7773	prtm	88H00021			H 600UL	340903
436							2 VHI		TECHN		L7773	prtm	88H00021			H 600UL	340903
437							2 VCI		TECHN		H3464	prtm	88H00037			H 600UL	340886
438							2 VHI		TECHN		L8714	prtm	88C00064			C 600UL	340826
439							2 VHI		TECHN		P4578	resc	88H00008			H 600UL	340885
440							2 VCI		TECHN		R3710	prtm	88H00014			H 600UL	340885
441							2 VHI		TECHN		75356	prtm	88H00032			H 600UL	340885

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG98 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG98

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
442	34	38	0.36	134	13	P 2	VH2	+0.52	TEHTEC		L7773	prim	88C00006	C	600UL			332249
443	84	58	0.47	124	17	P 2	09H	-1.09	TEHTEC	LOCOK	M7262	reso	88C00054	C	600UL			340826
444			0.77	75	24	P 2	09H	+1.71	TEHTEC	LOCOK	M7262	reso	88C00054	C	600UL			340826
445	84	50	0.47	137	20	P 2	09H	-1.49	TEHTEC	LOCOK	M7262	reso	88C00056	C	600UL			340826
446	84	68	0.49	104	17	P 2	09H	-1.35	TEHTEC	LOCOK	M7262	reso	88C00063	C	600UL			340946
447	94	72	0.46	108	14	P 2	09H	-1.73	TEHTEC	LOCOK	G4841	reso	88C00065	C	600UL			340946
448	34	38	0.52	127	21	P 3	DBH	-1.79	TEHTEC		E0864	seco	88C00050	C	600UL			340826
449			0.59	154	20	P 3	DBH	-1.98	TEHTEC		E0864	seco	88C00050	C	600UL			340826
450	84	98	0.20	140	14	P 2	09H	-1.43	TECTEH	LOCOK	M7262	reso	88H00005	H	600UL			340819
451	34	100	0.65	123	23	P 2	09H	-1.42	TECTEH	LOCOK	M7262	reso	88H00006	H	600UL			340835
452			0.32	31	14	P 2	09H	+1.47	TECTEH	LOCOK	M7262	reso	88H00006	H	600UL			340895
453	34	102	0.27	125	17	P 2	07H	-0.94	TECTEH		N9952	prim	88H00007	H	600UL			340819
454			0.20	17	14	P 2	09H	-1.49	TECTEH	LOCOK	M7262	reso	88H00007	H	600UL			340819
455			0.20	53	14	P 2	09H	+1.52	TECTEH	LOCOK	M7262	reso	88H00007	H	600UL			340819
456	84	106	0.45	135	17	P 2	09H	-1.56	TECTEH	LOCOK	M7262	reso	88H00008	H	600UL			340835
457			0.59	118	23	P 2	09H	+1.48	TECTEH	LOCOK	M7262	reso	88H00008	H	600UL			340885
458	84	108	0.37	86	15	P 2	09H	+1.51	TECTEH	LOCOK	M7262	reso	88H00010	H	600UL			340835
459	84	110	0.35	132	14	P 2	09H	-1.67	TECTEH	LOCOK	M7262	reso	88H00010	H	600UL			340835
460			0.73	101	24	P 2	09H	+1.55	TECTEH	LOCOK	M7262	reso	88H00010	H	600UL			340835
461	34	114	0.50	150	17	P 2	09H	-1.21	TECTEH	LOCOK	M7262	reso	88H00014	H	600UL			340885
462			0.41	145	15	P 2	09H	+1.57	TECTEH	LOCOK	M7262	reso	88H00014	H	600UL			340835
463	34	115	0.52	140	18	P 2	09H	-1.52	TECTEH	LOCOK	M7262	reso	88H00014	H	600UL			340885
464			0.50	130	17	P 2	09H	+1.47	TECTEH	LOCOK	M7262	reso	88H00014	H	600UL			340885
465	84	118	0.41	115	16	P 2	09H	-1.10	TECTEH		H3071	seco	88H00016	H	600UL			340885
466	84	130	0.23	119	15	P 2	VH2	+0.67	TECTEH		C1115	seco	88H00021	H	600UL			340903
467	84	132	0.22	93	10	P 2	VC2	-0.36	TECTEH		N9952	prim	88H00022	H	600UL			340885
468	85	57	0.98	131	27	P 2	08H	-0.85	TEHTEC		T6956	prim	88C00051	C	600UL			340946
469	85	61	0.50	109	16	P 2	08H	+0.52	TEHTEC		T6956	prim	88C00055	C	600UL			340946
470	35	83	0.20	130	8	P 2	06H	+0.87	TEHTEC		B4052	prim	88C00071	C	600UL			340946
471	85	97	0.20	106	14	P 2	09H	-1.27	TECTEH	LOCOK	M7262	reso	88H00005	H	600UL			340819
472			0.23	110	16	P 2	09H	+1.54	TECTEH	LOCOK	M7262	reso	88H00005	H	600UL			340819
473	85	115	0.33	137	15	P 2	09H	+1.40	TECTEH	LOCOK	M7262	reso	88H00013	H	600UL			340903
474	85	129	0.44	146	13	P 2	VC3	-0.93	TECTEH		B8090	reso	88H00019	H	600UL			340903
475	85	143	0.26	93	12	P 2	VH2	+0.77	TECTEH		X7614	seco	88H00038	H	600UL			340929
476	85	157	0.29	34	17	P 3	DBH	+2.07	TEHTEC		C3340	reso	88C00085	H	600UL			340821
477	86	48	0.37	94	13	P 2	VH2	-0.88	TEHTEC		C1115	seco	98C00045	C	600UL			340946
478	86	56	0.31	93	11	P 2	VH2	-0.90	TEHTEC		T6878	seco	88C00051	C	600UL			340946
479	36	60	0.40	140	13	P 2	08H	-0.74	TEHTEC		T6956	prim	88C00055	C	600UL			340946
480			0.34	110	11	P 2	09H	-0.76	TEHTEC		T6956	prim	98C00055	C	600UL			340946
481	86	98	0.25	23	11	P 2	06H	+0.78	TECTEH		P4578	seco	88H00006	H	600UL			340835
482	86	102	0.35	159	14	P 2	09H	+0.57	TECTEH		P5436	prim	88H00008	H	600UL			340835
483	87	61	0.77	77	27	P 2	08H	+0.77	TEHTEC		X9208	seco	88C00056	C	600UL			340826
484	87	99	0.32	143	14	P 2	07H	+0.85	TECTEH		P4578	seco	88H00006	H	600UL			340885
485			0.31	140	13	P 2	08H	-0.41	TECTEH		P4578	seco	88H00006	H	600UL			340885
486			0.25	35	11	P 2	09H	+0.78	TECTEH		P4578	seco	88H00006	H	600UL			340885
487	87	101	0.31	106	13	P 2	07H	+0.14	TECTEH		P4578	seco	88H00008	H	600UL			340885
488	87	111	0.28	142	12	P 2	08H	-0.64	TECTEH		M7262	reso	88H00010	H	600UL			340885
489	87	117	0.32	86	12	P 2	09H	+0.33	TECTEH		R3710	prim	88H00014	H	600UL			340885
490	88	48	0.51	90	19	P 2	VH2	-0.74	TEHTEC		E0864	seco	88C00046	C	600UL			340901

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
491	88	56	0.38	127	15	P 2	VH2	-0.46			J6276	prim	88C00052	C	600UL		340826
492	33	58	0.41	80	15	P 2	08H	-0.88			T6956	prim	88C00063	C	600UL		340946
493	88	126	0.42	53	13	P 2	VH2	-1.00			M7262	reso	88H00020	H	600UL		340885
494	88	144	0.32	80	14	P 2	VH2	-0.91			M7262	reso	88H00036	H	600UL		340929
495	89	29	0.44	115	15	P 2	VH2	-0.15			T6956	prim	88C00010	C	600UL		332256
496			0.29	135	11	P 2	VH2	+0.54			T6956	prim	88C00010	C	600UL		332256
497	89	35	0.36	95	17	P 2	VH2	-0.30			T6956	prim	88C00005	C	600UL		332261
498	89	39	0.43	55	19	P 2	VC2	+1.09			S7752	reso	88C00005	C	600UL		332261
499	89	57	0.55	132	19	P 2	09H	+0.53			T6956	prim	88C00051	C	600UL		340946
500	89	59	0.47	61	15	P 2	01H	+0.35			T6373	seco	88C00053	C	600UL		340946
501			0.43	37	14	P 2	09H	+0.88			T6956	prim	88C00053	C	600UL		340946
502	89	61	0.38	111	12	P 2	09H	-0.79			T6956	prim	88C00055	C	600UL		340946
503	89	113	0.27	108	13	P 2	09H	+0.47			R3710	prim	88H00011	H	600UL		340903
504	89	137	0.33	48	17	P 2	VH2	-0.88			M4882	seco	88H00031	H	600UL		340886
505	89	151	0.36	90	18	P 2	VC3	-0.92			H3464	prim	88H00037	H	600UL		340886
506	90	46	0.45	128	14	P 2	VH2	-0.66			M7262	reso	88C00045	C	600UL		340946
507	90	50	0.40	71	13	P 2	08H	-0.12			T6956	prim	88C00055	C	600UL		340946
508	90	72	0.44	90	15	P 2	08H	-0.31			T6878	seco	88C00065	C	600UL		340946
509	90	73	0.53	124	23	P 2	09H	-0.08			L2157	prim	88C00069	C	600UL		340946
510	90	84	0.71	140	24	P 2	09H	-0.90			B4052	prim	88C00071	C	600UL		340946
511	90	102	0.29	55	13	P 2	08H	+0.84			N9952	prim	88H00007	H	600UL		340819
512			0.14	75	10	P 2	09H	+0.70			N9952	prim	88H00007	H	600UL		340819
513	91	49	0.33	82	14	P 2	VH2	-0.61			G6920	seco	88C00028	C	600UL		340946
514	91	69	0.46	86	20	P 2	08H	+0.81			05001	prim	88C00034	C	600UL		340946
515			0.40	114	18	P 2	09H	-0.26			05001	prim	88C00034	C	600UL		340946
516	91	73	0.42	122	18	P 2	08H	+0.84			05001	prim	88C00034	C	600UL		340946
517			0.83	144	29	P 2	09H	-0.31			05001	prim	88C00034	C	600UL		340946
518	91	79	0.32	114	15	P 2	09H	+0.48			C3697	prim	88C00036	C	600UL		340946
519	91	99	0.36	53	15	P 2	08H	-0.86			B1055	prim	88C00081	H	600UL		340821
520			0.31	90	13	P 2	08H	+0.90			B1055	prim	88C00081	H	600UL		340821
521	91	103	0.49	116	13	P 2	08H	+0.81			T6956	prim	88C00078	H	600UL		340946
522	91	105	0.48	94	13	P 2	09H	-0.15			T6956	prim	88C00078	H	600UL		340946
523	91	111	0.45	110	17	P 2	09H	-0.20			M4882	seco	88C00076	H	600UL		340946
524			0.23	160	10	P 2	09H	+0.34			M4882	seco	88C00076	H	600UL		340946
525	91	113	0.31	133	12	P 2	09H	-0.41			B1055	prim	88C00077	H	600UL		340827
526			0.77	115	23	P 2	09H	+0.50			B1055	prim	88C00077	H	600UL		340827
527	91	115	0.35	142	15	P 2	09H	+0.97			K9208	seco	88C00075	H	600UL		340827
528	92	38	0.25	131	13	P 2	VSM	+1.02			M4882	seco	88C00025	C	600UL		332256
529	92	66	0.39	134	12	P 2	09H	-0.10			W2155	seco	88C00032	C	600UL		340946
530			0.24	85	10	P 2	09H	+0.62			N0942	reso	88C00032	C	600UL		340946
531	92	68	0.74	106	27	P 2	09H	-0.15			05001	prim	88C00034	C	600UL		340946
532	92	72	0.40	110	18	P 2	05H	+0.81			05001	prim	88C00034	C	600UL		340946
533			0.47	138	20	P 2	09H	+0.02			05001	prim	88C00034	C	600UL		340946
534			0.22	58	11	P 2	09H	+0.65			05001	prim	88C00034	C	600UL		340946
535	92	74	0.49	60	21	P 2	07H	+0.89			W2155	seco	88C00034	C	600UL		340946
536			0.45	121	20	P 2	09H	-0.92			W2155	seco	88C00034	C	600UL		340946
537			0.30	21	15	P 2	09H	+0.99			W2155	seco	88C00034	C	600UL		340946
538	92	76	0.33	33	15	P 2	09H	-0.05			01625	seco	88C00036	C	600UL		340946
539	92	73	0.32	118	14	P 2	09H	-0.08			C3697	prim	88C00036	C	600UL		340946

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100% TMD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PRCBE	S/N
540	92	92	0.63	134	21	P	2 09H	-0.92			R6452	prim	88C00093	H	500UL			340821	
541	92	98	0.23	89	10	P	2 08H	-0.49			B1055	prim	88C00091	H	500UL			340821	
542	92	102	0.71	93	25	P	2 09H	+0.90			T5956	prim	88C00080	H	500UL			331930	
543	92	104	0.27	63	8	P	2 09H	-0.90			T5878	seco	88C00078	H	500UL			340946	
544			0.58	102	15	P	2 09H	-0.27			T5956	prim	88C00078	H	500UL			340946	
545	92	112	0.70	114	22	P	2 09H	+0.32			O5001	prim	88C00076	H	500UL			340946	
546			0.28	53	11	P	2 09H	-0.92			M4332	seco	88C00075	H	500UL			340946	
547	93	35	0.41	64	16	P	2 VH2	+1.06			J6276	prim	88C00026	C	500UL			340823	
548	93	61	0.31	123	24	P	2 09H	+0.78			J6276	prim	88C00033	C	500UL			340901	
549	93	63	0.40	53	14	P	2 09H	+1.02			J6276	prim	88C00033	C	500UL			340901	
550	93	69	0.39	132	14	P	2 09H	+0.75			T5956	prim	88C00035	C	500UL			340901	
551	93	73	0.48	157	16	P	2 09H	-0.38			B4052	prim	88C00035	C	500UL			340901	
552	93	75	0.91	101	25	P	2 09H	-0.24			K9208	seco	88C00035	C	500UL			340901	
553	93	79	0.32	71	9	P	2 09H	-0.15			D3858	reso	88C00037	C	500UL			340901	
554	93	37	0.16	114	8	P	2 08H	+0.45			M7262	reso	88C00038	C	500UL			340946	
555	93	97	0.69	129	24	P	2 09H	-0.10			J6276	prim	88C00082	H	500UL			340827	
556			0.17	141	8	P	2 09H	+0.94			C3340	reso	88C00082	H	500UL			340827	
557	93	105	0.44	127	15	P	2 08H	-0.39			B1055	prim	88C00079	H	500UL			340827	
558	93	111	0.57	117	19	P	2 08H	+0.34			B1055	prim	88C00077	H	500UL			340827	
559	93	113	0.39	110	14	P	2 09H	+0.75			O5001	prim	88C00076	H	500UL			340946	
560	94	28	0.32	66	13	P	2 VSM	-0.71			O1057	prim	88C00024	C	500UL			332256	
561	94	38	0.38	83	18	P	2 VH2	+1.00			O1057	prim	88C00025	C	500UL			332256	
562	94	40	0.67	112	27	P	2 VSM	+0.99			O1057	prim	88C00025	C	500UL			332256	
563	94	48	1.11	95	31	P	2 VH2	-0.72			R1509	reso	88C00029	C	500UL			340901	
564			0.80	112	25	P	2 VH2	+1.17			K9208	seco	88C00029	C	500UL			340901	
565			1.52	116	36	P	2 VH3	-0.69			R1509	reso	88C00029	C	500UL			340901	
566			0.35	141	14	P	2 VH3	+1.07			L7773	prim	88C00029	C	500UL			340901	
567			0.76	110	25	P	2 VSM	+0.88			L7773	prim	88C00029	C	500UL			340901	
568			0.35	51	14	P	2 VC3	-0.71			L7773	prim	88C00029	C	500UL			340901	
569			0.72	114	24	P	2 VC2	-0.28			L7773	prim	88C00029	C	500UL			340901	
570			0.92	83	28	P	2 VC2	+0.93			L7773	prim	88C00029	C	500UL			340901	
571	94	62	0.19	151	8	P	2 09H	+0.07			L7773	prim	88C00032	C	500UL			340946	
572	94	64	0.25	155	9	P	2 08H	-0.49			L8714	prim	88C00033	C	500UL			340901	
573			0.34	76	12	P	2 09H	+0.31			L8714	prim	88C00033	C	500UL			340901	
574	94	66	0.24	154	9	P	2 09H	+0.78			L8714	prim	88C00033	C	500UL			340901	
575	94	68	0.25	61	12	P	2 VH2	+1.00			O5001	prim	88C00034	C	500UL			340946	
576	94	72	0.28	131	14	P	2 07H	+0.33			O5001	prim	88C00034	C	500UL			340946	
577	94	74	0.28	73	14	P	2 09H	-0.32			F7460	prim	88C00034	C	500UL			340946	
578	94	78	0.33	112	15	P	2 09H	-0.10			C3697	prim	88C00036	C	500UL			340946	
579			0.42	138	18	P	2 09H	+0.39			C3697	prim	88C00036	C	500UL			340946	
580	94	82	0.54	143	22	P	2 09H	-0.17			F7460	prim	88C00038	C	500UL			340946	
581	94	84	0.47	91	19	P	2 08H	-0.32			F7460	prim	88C00038	C	500UL			340946	
582	94	88	0.23	57	11	P	2 09H	-0.72			F7460	prim	88C00038	C	500UL			340946	
583	94	90	0.25	82	10	P	2 09H	+0.42			S3018	reso	88C00040	C	500UL			340901	
584	94	94	0.22	142	10	P	2 07H	+0.98			C3340	reso	88C00082	H	500UL			340827	
585			0.27	148	10	P	2 VH2	+0.91			M7262	reso	88C00082	H	500UL			340827	
586	94	102	0.50	131	20	P	2 09H	-0.37			T5956	prim	88C00080	H	500UL			331930	
587	94	106	0.45	102	13	P	2 08H	+1.00			T5878	seco	88C00078	H	500UL			340946	
588	94	146	0.26	124	15	P	2 VH2	-0.89			P4578	seco	88H00029	H	500UL			340886	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
589			0.27	59	15	P 2	VH2	+0.31	TEHTEH		P4579	seco	88H00029	H	600UL		340886	
590			0.49	93	24	P 2	VH3	-0.93	TEHTEH		P4579	seco	88H00029	H	600UL		340886	
591	94	148	0.28	40	15	P 2	VC3	-0.77	TEHTEH		N9952	prim	88H00029	H	600UL		340886	
592	95	59	1.08	93	32	P 2	VH2	+1.01	TEHTEC		M4882	seco	88C00030	C	600UL		340946	
593	95	63	0.37	78	15	P 2	09H	+0.24	TEHTEC		L7773	prim	88C00032	C	600UL		340946	
594	95	65	0.37	92	15	P 2	08H	+0.36	TEHTEC		C3697	prim	88C00032	C	600UL		340946	
595			0.84	89	27	P 2	09H	-0.23	TEHTEC		C3697	prim	88C00032	C	600UL		340946	
596			0.23	143	10	P 2	09H	-0.93	TEHTEC		C3697	prim	88C00032	C	600UL		340946	
597	95	67	0.36	133	15	P 2	09H	+0.60	TEHTEC		N0942	reso	88C00032	C	600UL		340946	
598	95	69	0.37	111	17	P 2	08H	+0.35	TEHTEC		O5001	prim	88C00034	C	600UL		340946	
599	95	71	0.29	125	14	P 2	07H	-0.82	TEHTEC		O5001	prim	88C00034	C	600UL		340946	
600	95	73	0.27	33	14	P 2	07H	-0.72	TEHTEC		W2155	seco	88C00034	C	600UL		340946	
601			0.64	66	25	P 2	09H	+0.89	TEHTEC		W2155	seco	88C00034	C	600UL		340946	
602			0.23	13	13	P 2	VH3	+0.89	TEHTEC		M7262	reso	88C00034	C	600UL		340946	
603			0.36	150	17	P 2	VSM	+0.72	TEHTEC		W2155	seco	88C00034	C	600UL		340946	
604	95	77	0.27	108	13	P 2	08H	+0.50	TEHTEC		C3697	prim	88C00036	C	600UL		340946	
605	95	85	0.38	99	17	P 2	08H	+0.82	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
606			0.30	45	14	P 2	09H	+0.87	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
607	95	89	0.37	145	14	P 2	08H	-1.02	TEHTEC		M6078	reso	88C00041	C	600UL		340946	
608			0.32	145	13	P 2	09H	+0.56	TEHTEC		C3697	prim	88C00041	C	600UL		340946	
609	95	97	0.35	89	15	P 2	09H	-0.22	TEHTEC		B1055	prim	88C00081	H	600UL		340821	
610	95	101	0.74	91	24	P 2	09H	-0.21	TEHTEC		K9208	seco	88C00079	H	600UL		340827	
611	95	103	0.46	60	13	P 2	09H	+0.96	TEHTEC		T5956	prim	88C00078	H	600UL		340946	
612	95	105	0.65	89	17	P 2	09H	+0.98	TEHTEC		T5956	prim	88C00078	H	600UL		340946	
613	95	111	0.36	67	14	P 2	09H	+1.05	TEHTEC		M4882	seco	88C00076	H	600UL		340946	
614	96	44	0.38	64	16	P 2	VH2	-0.67	TEHTEC		J6276	prim	88C00029	C	600UL		340946	
615	96	50	0.32	61	14	P 2	VH2	-0.52	TEHTEC		J6276	prim	88C00029	C	600UL		340946	
616	96	60	0.35	60	14	P 2	09H	-0.23	TEHTEC		L7773	prim	88C00032	C	600UL		340946	
617	96	68	0.32	91	11	P 2	09H	+0.99	TEHTEC		K9208	seco	88C00035	C	600UL		340901	
618	96	70	0.99	134	27	P 2	07H	+0.82	TEHTEC		B4052	prim	88C00035	C	600UL		340901	
619	96	72	0.18	141	7	P 2	09H	-0.83	TEHTEC		B4052	prim	88C00035	C	600UL		340901	
620			0.34	69	12	P 2	09H	+0.29	TEHTEC		B4052	prim	88C00035	C	600UL		340901	
621	96	76	0.28	127	8	P 2	07H	-0.74	TEHTEC		D3858	reso	88C00037	C	600UL		340901	
622	96	78	0.36	117	10	P 2	02H	-0.99	TEHTEC		D3858	reso	88C00037	C	600UL		340901	
623	96	88	0.23	68	11	P 2	07H	-0.28	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
624	96	98	0.52	134	20	P 2	09H	+0.71	TEHTEC		B1055	prim	88C00081	H	600UL		340821	
625	96	106	0.31	92	13	P 2	09H	+0.57	TEHTEC		K9208	seco	88C00079	H	600UL		340827	
626	96	152	0.30	97	15	P 2	02C	+0.90	TECTEH		C3340	reso	88H00029	H	600UL		340886	
627	97	43	0.44	54	17	P 2	VH2	-0.74	TEHTEC		K9208	seco	88C00029	C	600UL		340901	
628			0.39	89	15	P 2	VH2	+0.91	TEHTEC		K9208	seco	88C00029	C	600UL		340901	
629	97	61	0.22	96	10	P 2	04C	-1.03	TEHTEC		L7773	prim	88C00032	C	600UL		340946	
630	97	69	0.24	27	9	P 2	07H	+0.94	TEHTEC		T5956	prim	88C00035	C	600UL		340901	
631	97	73	0.45	110	15	P 2	08H	+0.76	TEHTEC		B4052	prim	88C00035	C	600UL		340901	
632			0.61	126	19	P 2	09H	+0.75	TEHTEC		B4052	prim	88C00035	C	600UL		340901	
633	97	85	0.31	125	13	P 2	09H	-0.17	TEHTEC		B4052	prim	88C00040	C	600UL		340901	
634	97	103	1.09	127	28	P 2	09H	+0.36	TEHTEC		B1055	prim	88C00079	H	600UL		340827	
635	97	107	0.38	111	14	P 2	09H	-0.65	TEHTEC		O5001	prim	88C00076	H	600UL		340946	
636			0.46	116	16	P 2	09H	+0.05	TEHTEC		O5001	prim	88C00076	H	600UL		340946	
637	98	38	0.45	97	20	P 2	VH2	-0.82	TEHTEC		O1057	prim	88C00025	C	600UL		332256	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: J
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PRCBE	SIZE	PRCBE S/N
638	98	48	0.34	110	14	P 2	VH2	-0.74			L7773	prim	88C00023		C	500UL		1340901
639	98	56	0.30	80	13	P 2	VH2	-0.80			M4882	seco	88C00030		C	500UL		1340946
640	98	66	0.34	47	12	P 2	09H	+0.92			L8714	prim	88C00033		C	500UL		1340901
641	98	70	0.38	56	18	P 2	VSM	-0.93			W2155	seco	88C00034		C	500UL		1340946
642			0.22	23	11	P 2	VC3	-0.81			W2155	seco	88C00034		C	500UL		1340946
643			0.31	20	15	P 2	VC3	+0.84			W2155	seco	88C00034		C	500UL		1340946
644	98	72	0.65	54	25	P 2	07H	+0.92			O5001	prim	88C00034		C	500UL		1340946
645	98	94	0.30	51	13	P 2	08H	-0.90			C3340	reso	88C00082		H	500UL		1340827
646	98	106	0.35	136	10	P 2	09H	-0.12			T6956	prim	88C00078		H	500UL		1340946
647			0.69	123	18	P 2	09H	+0.96			T6956	prim	88C00078		H	500UL		1340946
648	98	142	0.31	141	17	P 2	VH2	-0.95			N9952	prim	88H00029		H	500UL		1340886
649	99	65	0.41	125	16	P 2	08H	-0.61			N0942	reso	88C00032		C	500UL		1340946
650	99	79	0.32	81	15	P 2	07H	+0.97			C3697	prim	88C00036		C	500UL		1340946
651	99	81	0.62	145	23	P 2	09H	+0.68			C3697	prim	88C00036		C	500UL		1340946
652	99	89	0.79	124	26	P 2	09H	+0.76			W2545	seco	88C00041		C	500UL		1340946
653	99	93	0.37	139	16	P 2	09H	+0.57			B1055	prim	88C00081		H	500UL		1340821
654	99	99	0.57	124	21	P 2	09H	-0.15			B1055	prim	88C00081		H	500UL		1340821
655	99	101	0.39	107	14	P 2	08H	-0.19			B1055	prim	88C00079		H	500UL		1340827
656			0.60	120	19	P 2	09H	+0.73			B1055	prim	88C00079		H	500UL		1340827
657	99	103	1.15	82	26	P 2	09H	+0.79			W5710	reso	88C00078		H	500UL		1340946
658	99	109	0.29	149	11	P 2	09H	+0.81			O5001	prim	88C00076		H	500UL		1340946
659	100	38	0.27	144	12	P 2	VH2	-0.64			J6276	prim	88C00027		C	500UL		1340901
660	100	46	0.38	58	15	P 2	VH2	-0.72			K9208	seco	88C00029		C	500UL		1340901
661	100	52	0.16	102	SAI		09H	+0.30	0.35	0.22	K7060	reso	88H00153		H	600PPZ		1340838
662			0.27	120	12	P 2	09H	+0.46			M4882	seco	88C00030		C	500UL		1340946
663	100	60	0.55	61	18	P 2	VH2	-0.67			O5001	prim	88C00031		C	500UL		1340901
664	100	74	0.42	96	14	P 2	09H	-0.08			B4052	prim	88C00035		C	500UL		1340901
665			0.32	132	12	P 2	09H	+0.99			B4052	prim	88C00035		C	500UL		1340901
666	100	100	0.58	125	22	P 2	09H	+0.97			B1055	prim	88C00081		H	500UL		1340821
667	100	102	0.52	72	17	P 2	09H	-0.19			B1055	prim	88C00079		H	500UL		1340827
668	100	120	0.32	160	14	P 2	VH2	-0.69			E0864	seco	88C00075		H	500UL		1340827
669	101	67	0.56	59	18	P 2	09H	+0.86			L8714	prim	88C00033		C	500UL		1340901
670	101	71	0.24	111	9	P 3	DBH	-1.73			K9208	seco	88C00035		C	500UL		1340901
671	101	77	0.81	115	20	P 2	09H	+0.65			L8714	prim	88C00037		C	500UL		1340901
672	101	79	0.25	147	7	P 2	09H	+0.77			L8714	prim	88C00037		C	500UL		1340901
673			0.57	59	15	P 2	09H	+1.07			L8714	prim	88C00037		C	500UL		1340901
674	101	81	0.65	107	16	P 2	09H	-0.74			D3858	reso	88C00037		C	500UL		1340901
675	101	83	0.72	132	24	P 2	09H	-0.53			B4052	prim	88C00040		C	500UL		1340901
676	101	85	0.51	122	19	P 2	09H	-0.47			B4052	prim	88C00040		C	500UL		1340901
677	101	95	0.43	47	17	P 2	09H	-0.14			J6276	prim	88C00082		H	500UL		1340827
678			0.42	72	16	P 2	09H	+0.83			J6276	prim	88C00082		H	500UL		1340827
679	101	97	0.78	116	26	P 2	09H	-0.92			J6276	prim	88C00082		H	500UL		1340827
680	101	101	0.35	96	15	P 2	09H	-0.17			T6956	prim	88C00080		H	500UL		1331930
681	101	109	0.53	61	17	P 2	03H	-1.14			K9208	seco	88C00077		H	500UL		1340827
682	101	111	0.45	61	15	P 2	VH2	+0.95			D3858	reso	88C00077		H	500UL		1340827
683	102	30	0.55	91	20	P 2	08C	-1.15			S1848	prim	88C00026		C	500UL		1340818
684	102	38	0.32	73	16	P 2	VH2	-0.73			R1509	reso	88C00025		C	500UL		1332256
685	102	62	0.28	73	12	P 2	VH2	-0.72			L7773	prim	88C00032		C	500UL		1340946
686	102	66	0.32	135	12	P 2	09H	+0.85			L8714	prim	88C00033		C	500UL		1340901

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG33 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 33
DATABASE: SCNGS_U3_0101_SG33

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
687	102	74	0.23	79	12	P	2 09H	+0.89	TEHTEC		W2155	seco	38C00034	C	600UL		340946	
688	102	78	0.67	110	25	P	2 09H	-0.97	TEHTEC		C3697	prim	38C00036	C	600UL		340946	
689	102	80	0.59	97	15	P	2 09H	-0.12	TEHTEC		L8714	prim	38C00037	C	600UL		340901	
690			0.33	93	9	P	2 09H	+0.92	TEHTEC		L8714	prim	38C00037	C	600UL		340901	
691	102	82	0.29	101	13	P	2 09H	+0.71	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
692			0.31	84	19	P	3 DBH	+2.06	TEHTEC		F7460	prim	38C00038	C	600UL		340946	
693	102	84	0.33	121	19	P	3 DBH	+1.54	TEHTEC		C1115	seco	38C00033	C	600UL		340946	
694	102	92	0.28	108	14	P	3 DBH	+1.84	TEHTEC		R6452	prim	88C00083	H	600UL		340821	
695	103	33	0.29	31	11	P	2 VH2	+0.89	TEHTEC		W4786	seco	88C00024	C	600UL		332256	
696	103	41	0.28	150	14	P	2 VC2	-0.94	TEHTEC		R1509	reso	38C00025	C	600UL		332256	
697	103	71	0.30	60	14	P	2 09H	+1.01	TEHTEC		O5001	prim	38C00034	C	600UL		340946	
698	103	75	0.49	91	20	P	2 09H	-0.75	TEHTEC		F7460	prim	88C00034	C	600UL		340946	
699			0.15	74	8	P	2 09H	+0.48	TEHTEC		F7460	prim	88C00034	C	600UL		340946	
700			0.38	116	17	P	2 09H	+0.73	TEHTEC		F7460	prim	88C00034	C	600UL		340946	
701			0.31	86	15	P	2 09H	+0.99	TEHTEC		F7460	prim	38C00034	C	600UL		340946	
702			0.40	19	18	P	2 VH2	+0.75	TEHTEC		W2155	seco	38C00034	C	600UL		340946	
703	103	79	0.37	77	16	P	2 09H	-0.80	TEHTEC		J1220	seco	38C00036	C	600UL		340946	
704			0.35	79	15	P	2 09H	+0.30	TEHTEC		J1220	seco	88C00036	C	600UL		340946	
705			0.31	105	14	P	2 09H	+0.76	TEHTEC		J1220	seco	38C00036	C	600UL		340946	
706	103	81	0.67	77	25	P	2 09H	-0.85	TEHTEC		C3697	prim	38C00036	C	600UL		340946	
707	103	85	0.30	69	14	P	2 09H	+0.25	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
708	103	87	0.53	107	19	P	2 09H	-0.00	TEHTEC		H3464	prim	38C00040	C	600UL		340901	
709	103	97	0.40	88	16	P	2 09H	+0.86	TEHTEC		B1055	prim	88C00081	H	600UL		340821	
710	103	105	0.46	73	13	P	2 02H	+0.85	TEHTEC		T5879	seco	38C00078	H	600UL		340946	
711	104	46	0.34	156	13	P	2 VH2	-0.93	TEHTEC		L7773	prim	88C00029	C	600UL		340901	
712	104	50	1.05	99	31	P	2 VH2	-0.57	TEHTEC		J6275	prim	88C00028	C	600UL		340946	
713			0.59	101	22	P	2 VH2	+0.39	TEHTEC		G6320	seco	38C00028	C	600UL		340946	
714			0.39	143	16	P	2 VC3	-0.24	TEHTEC		J6276	prim	38C00028	C	600UL		340946	
715			0.57	49	21	P	2 VC2	-0.87	TEHTEC		C3340	reso	38C00028	C	600UL		340946	
716	104	78	0.28	32	8	P	2 09H	+0.75	TEHTEC		D3858	reso	88C00037	C	600UL		340901	
717	104	88	0.48	117	20	P	2 08H	+0.49	TEHTEC		F7460	prim	88C00038	C	600UL		340946	
718	104	120	0.37	112	15	P	2 VH2	-0.31	TEHTEC		C3340	reso	88C00075	H	600UL		340827	
719	104	136	0.99	132	33	P	2 VH2	-0.94	TECTEH		T6956	prim	88H00028	H	600UL		340885	
720			0.28	114	14	P	2 VH2	+0.73	TECTEH		T6956	prim	88H00028	H	600UL		340885	
721	105	79	0.45	153	12	P	2 09H	-0.94	TEHTEC		D3353	reso	38C00037	C	600UL		340901	
722	105	101	0.33	133	15	P	2 VH2	+0.39	TEHTEC		T6956	prim	88C00080	H	600UL		331930	
723	105	105	0.46	146	16	P	2 VH2	-0.50	TEHTEC		B1055	prim	38C00079	H	600UL		340827	
724	105	113	0.45	159	16	P	2 09H	-1.08	TEHTEC		O5001	prim	38C00076	H	600UL		340946	
725			0.48	73	19	P	2 VH2	-0.93	TEHTEC		M4832	seco	38C00076	H	600UL		340946	
726	105	127	0.26	88	13	P	2 VH2	-0.86	TECTEH		C3340	reso	88H00026	H	600UL		340885	
727	106	34	0.52	34	19	P	2 VH2	+0.86	TEHTEC		M7252	reso	38C00026	C	600UL		340813	
728	106	42	0.30	31	15	P	2 VH2	-0.71	TEHTEC		R1509	reso	38C00025	C	600UL		332256	
729	106	50	0.62	115	22	P	2 VH2	+1.05	TEHTEC		L7773	prim	88C00029	C	600UL		340901	
730			0.28	110	11	P	2 VH3	+1.05	TEHTEC		L7773	prim	88C00029	C	600UL		340901	
731	106	72	0.48	114	20	P	2 VC2	-0.79	TEHTEC		O5001	prim	38C00034	C	600UL		340946	
732	106	86	0.56	79	22	P	2 VH3	-0.88	TEHTEC		F7460	prim	38C00038	C	600UL		340946	
733	106	100	0.46	127	18	P	2 09H	-0.72	TEHTEC		B1055	prim	88C00081	H	600UL		340821	
734	106	134	0.37	71	16	P	2 VH2	-0.96	TECTEH		N9952	prim	38H00027	H	600UL		340903	
735	107	29	0.19	141	8	P	2 VH2	-0.47	TEHTEC		W4786	seco	88C00024	C	600UL		332256	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI, MCI, MMI, MVI, SAI, SVI, SGI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 38
DATABASE: SCNGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
736	107	31	0.40	60	15	P 2	VH2	-0.36	TEHTEC		W4736	seco	88C00024	C	500UL		332256
737	107	71	0.99	97	32	P 2	VH3	-0.63	TEHTEC		W2155	seco	88C00034	C	500UL		340946
738			0.31	65	15	P 2	VH3	-0.97	TEHTEC		W2155	seco	88C00034	C	500UL		340946
739	107	143	0.34	115	13	P 2	VH2	-0.91	TECTEH		N9952	prim	88H00029	H	500UL		340886
740	108	46	0.34	125	14	P 2	VH2	-0.89	TEHTEC		L7773	prim	88C00029	C	500UL		340901
741			0.30	109	12	P 2	VH2	+0.93	TEHTEC		L7773	prim	88C00029	C	500UL		340901
742	108	100	0.13	29	9	P 2	VH2	-0.33	TEHTEC		O1625	seco	88C00081	H	500UL		340821
743			0.35	82	15	P 2	VH2	-0.73	TEHTEC		B1055	prim	88C00031	H	500UL		340821
744			0.26	135	12	P 2	VH2	+0.36	TEHTEC		B1055	prim	88C00081	H	500UL		340821
745	103	104	0.56	97	15	P 2	02H	+0.38	TEHTEC		T5878	seco	88C00073	H	500UL		340946
746			0.55	34	15	P 2	VH2	-0.74	TEHTEC		T5956	prim	88C00073	H	500UL		340946
747			0.54	49	14	P 2	VH2	+0.34	TEHTEC		T5956	prim	88C00073	H	500UL		340946
748	108	110	0.39	145	14	P 2	09H	-1.00	TEHTEC		O5001	prim	88C00076	H	500UL		340946
749	108	126	0.30	118	14	P 2	VH2	-0.37	TECTEH		C3340	reso	88H00026	H	500UL		340885
750	108	138	0.31	127	15	P 2	VH2	-0.92	TECTEH		T5956	prim	88H00023	H	500UL		340885
751	108	142	0.46	40	19	P 2	VH2	-0.92	TECTEH		T5956	prim	88H00030	H	500UL		340885
752	109	99	0.23	56	13	P 2	VH2	+0.35	TEHTEC		D3858	reso	88C00081	H	500UL		340821
753	110	56	0.21	61	9	P 2	VH3	+1.11	TEHTEC		J6276	prim	88C00030	C	500UL		340946
754	110	68	0.31	91	15	P 2	VH2	-0.35	TEHTEC		W2155	seco	88C00034	C	500UL		340946
755	110	140	0.29	151	16	P 2	VH2	+0.69	TECTEH		P4573	seco	88H00029	H	500UL		340886
756	110	142	0.22	103	12	P 2	VC2	-0.99	TECTEH		N9952	prim	88H00029	H	500UL		340886
757	111	33	0.21	27	9	P 2	VH2	-0.80	TEHTEC		W4736	seco	88C00024	C	500UL		332256
758	111	35	0.97	93	29	P 2	VH2	-1.02	TEHTEC		O1057	prim	88C00024	C	500UL		332256
759	111	37	0.59	80	21	P 2	VH2	-0.95	TEHTEC		O1057	prim	88C00024	C	500UL		332256
760	111	39	0.46	108	21	P 2	VH2	-0.37	TEHTEC		O1057	prim	88C00025	C	500UL		332256
761	111	43	0.57	117	21	P 2	VH2	-1.06	TEHTEC		J6276	prim	88C00023	C	500UL		340946
762	111	107	0.56	83	19	P 2	VH2	-0.67	TEHTEC		B1055	prim	88C00077	H	500UL		340827
763	111	113	0.33	131	12	P 2	VH2	-0.18	TEHTEC		B1055	prim	88C00077	H	500UL		340827
764	111	139	0.21	83	9	P 2	VSM	+0.97	TECTEH		S7732	reso	88H00027	H	500UL		340903
765	112	72	0.43	79	15	P 2	VH2	-0.89	TEHTEC		K9208	seco	88C00035	C	500UL		340901
766	112	74	0.58	138	21	P 2	VH2	-0.84	TEHTEC		B4052	prim	88C00035	C	500UL		340901
767			0.45	138	15	P 2	VH2	+0.94	TEHTEC		B4052	prim	88C00035	C	500UL		340901
768			1.52	121	34	P 2	VH3	+0.93	TEHTEC		B4052	prim	88C00035	C	500UL		340901
769			0.30	143	11	P 2	VSM	+0.98	TEHTEC		B4052	prim	88C00035	C	500UL		340901
770			0.56	106	19	P 2	VC2	-0.58	TEHTEC		B4052	prim	88C00035	C	500UL		340901
771	112	86	0.22	54	10	P 2	08H	+0.99	TEHTEC		B4052	prim	88C00040	C	500UL		340901
772	112	122	0.61	90	25	P 2	04C	-0.81	TECTEH		T5956	prim	88H00026	H	500UL		340885
773	112	132	0.37	36	13	P 2	VC3	+0.76	TECTEH		T5956	prim	88H00023	H	500UL		340885
774			0.32	76	15	P 2	VC2	-1.00	TECTEH		T5956	prim	88H00029	H	500UL		340885
775	112	138	0.31	139	14	P 2	VH2	-0.34	TECTEH		M6643	seco	88H00029	H	500UL		340885
776	113	37	0.31	122	12	P 2	VH2	-0.67	TEHTEC		O1057	prim	88C00024	C	500UL		332256
777	113	39	0.45	107	18	P 2	VH2	-0.82	TEHTEC		J6276	prim	88C00027	C	500UL		340901
778	113	81	0.30	76	11	P 3	DBH	+1.83	TEHTEC		D3858	reso	88C00037	C	500UL		340901
779	113	111	0.38	105	14	P 2	09H	-1.07	TEHTEC		B1055	prim	88C00077	H	500UL		340827
780	113	135	0.26	142	12	P 2	VH2	+0.91	TECTEH		M6643	seco	88H00028	H	500UL		340885
781	114	34	0.44	96	16	P 3	DBC	+1.36	TEHTEC		M7262	reso	88C00026	C	500UL		340813
782	114	42	0.25	71	12	P 2	VH2	-0.81	TEHTEC		O1057	prim	88C00025	C	500UL		332256
783	114	84	0.31	124	18	P 3	DBH	+1.87	TEHTEC		C1115	seco	88C00038	C	500UL		340946
784	114	90	0.28	103	11	P 2	VH3	-0.49	TEHTEC		W2545	seco	88C00041	C	500UL		340946

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG83 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100V TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/
785	114	92	0.43	60	20 P	3 DBH	-1.49	TEHTEC			R5452 prim 88C00093	H	600UL				340321	
786	114	94	0.32	22	8 P	3 DBH	-0.57	TEHTEC			K9208 seco 88C00082	H	600UL				340827	
787	114	96	0.36	160	9 P	3 DBH	-1.70	TEHTEC			K9208 seco 88C00082	H	600UL				340827	
788	114	104	0.53	103	15 P	2 03H	+0.95	TEHTEC			T5879 seco 88C00078	H	600UL				340946	
789	114	126	0.20	110	11 P	2 VC2	-0.92	TECTEH			W2153 seco 88H00025	H	600UL				340903	
790	114	138	0.41	135	17 P	2 VH2	-0.95	TECTEH			T5879 seco 88H00027	H	600UL				340903	
791	115	39	0.32	75	15 P	2 VH2	-1.00	TEHTEC			C1057 prim 88C00025	C	600UL				332256	
792	115	105	0.52	73	14 P	2 VH3	+0.87	TEHTEC			S3019 reso 88C00073	H	600UL				340946	
793	116	64	0.41	115	15 P	2 09C	+0.72	TEHTEC			L2157 prim 88C00073	C	600UL				340946	
794	116	90	0.20	140	8 P	3 DBH	+1.76	TEHTEC			E0364 seco 88C00043	C	600UL				340901	
795	117	43	0.28	65	11 P	2 VH2	-0.83	TEHTEC			L7773 prim 88C00029	C	600UL				340901	
796	113	48	0.37	81	15 P	2 VH1	-0.59	TEHTEC			J5276 prim 88C00029	C	600UL				340946	
797	118	52	0.32	95	13 P	2 VH2	+0.30	TEHTEC			L7773 prim 88C00029	C	600UL				340901	
798	118	54	0.64	30	26 P	3 DBH	-1.84	TEHTEC			J6276 prim 88C00030	C	600UL				340946	
799	118	56	0.35	117	15 P	2 VH1	-0.73	TEHTEC			M4882 seco 88C00030	C	600UL				340946	
800	118	80	0.42	34	11 P	2 VH2	+0.76	TEHTEC			D3858 reso 88C00037	C	600UL				340901	
801	113	92	0.47	61	22 P	3 DBH	+1.73	TEHTEC			R6452 prim 88C00083	H	600UL				340821	
802	113	106	0.41	32	12 P	2 VC1	+0.82	TEHTEC			W5710 reso 88C00078	H	600UL				340946	
803	113	124	0.42	64	19 P	2 VH1	-0.71	TECTEH			C3340 reso 88H00026	H	600UL				340885	
804	119	37	0.24	146	13 P	3 DBC	-1.34	TEHTEC			R1509 reso 88C00025	C	600UL				332256	
805	119	45	0.59	92	22 P	2 VH1	+0.94	TEHTEC			G6920 seco 88C00028	C	600UL				340946	
806	119	87	0.32	89	11 P	3 DBH	+0.48	TEHTEC			G4841 reso 88C00040	C	600UL				340901	
807	119	91	0.41	101	20 P	3 DBH	+1.73	TEHTEC			R6452 prim 88C00083	H	600UL				340821	
808	120	44	0.26	152	12 P	2 VH1	-0.82	TEHTEC			J6276 prim 88C00028	C	600UL				340946	
809	120	50	0.35	134	14 P	2 VH1	-0.71	TEHTEC			K9208 seco 88C00029	C	600UL				340901	
810	120	56	0.56	113	19 P	2 10H	+1.65	TEHTEC		LOCCK	M7262 reso 88C00031	C	600UL				340901	
811	120	104	0.59	39	16 P	2 VH2	-0.80	TEHTEC			T5879 seco 88C00078	H	600UL				340946	
812	120	114	0.42	123	12 P	3 DBH	+0.36	TEHTEC			K9208 seco 88C00077	H	600UL				340827	
813	120	120	0.36	92	15 P	2 10H	-1.60	TEHTEC		LOC CK	C3340 reso 88C00075	H	600UL				340827	
814	120	124	0.30	124	16 P	2 10H	+1.51	TECTEH		LOCCK	M7262 reso 88H00025	H	600UL				340903	
815	120	126	0.26	50	13 P	2 VH1	-0.75	TECTEH			T5956 prim 88H00026	H	600UL				340885	
816	120	132	0.32	129	15 P	2 VH1	-1.00	TECTEH			M6643 seco 88H00028	H	600UL				340885	
817	121	65	0.50	38	17 P	2 VH1	+0.83	TEHTEC			L8714 prim 88C00033	C	600UL				340901	
818	121	81	0.65	44	16 P	2 VH1	+0.79	TEHTEC			D3858 reso 88C00037	C	600UL				340901	
819	121	89	0.24	139	10 P	3 DBH	-1.09	TEHTEC			G4841 reso 88C00043	C	600UL				340901	
820	121	91	0.31	134	12 P	3 DBH	+2.04	TEHTEC			L8714 prim 88C00084	H	600UL				340827	
821	121	101	0.28	114	13 P	2 10H	+0.22	TEHTEC			T5879 seco 88C00080	H	600UL				331930	
822	122	48	0.24	84	11 P	2 VH1	+0.61	TEHTEC			J5276 prim 88C00028	C	600UL				340946	
823	122	52	0.43	67	16 P	2 VH1	+0.75	TEHTEC			L7773 prim 88C00029	C	600UL				340901	
824	122	62	0.27	35	11 P	2 03H	-1.03	TEHTEC			L7773 prim 88C00032	C	600UL				340946	
825	122	76	0.39	134	10 P	2 VH1	-0.73	TEHTEC			L8714 prim 88C00037	C	600UL				340901	
826			0.50	102	13 P	2 VH2	+0.07	TEHTEC			L8714 prim 88C00037	C	600UL				340901	
827	122	86	0.46	125	25 P	3 DBH	+1.99	TEHTEC			F7460 prim 88C00038	C	600UL				340946	
828	122	110	0.35	125	12 P	2 VH1	-0.82	TEHTEC			K9208 seco 88C00077	H	600UL				340827	
829	122	114	0.23	141	10 P	2 VH1	+0.70	TEHTEC			M4882 seco 88C00076	H	600UL				340946	
830	122	118	0.40	46	19 P	2 VH2	-0.88	TEHTEC			W5710 reso 88C00075	H	600UL				340827	
831	122	124	0.36	59	17 P	2 VH1	-0.98	TECTEH			C3340 reso 88H00026	H	600UL				340885	
832	123	41	0.24	95	11 P	2 06H	-1.00	TEHTEC			K9208 seco 88C00027	C	600UL				340901	
833	123	43	0.28	129	13 P	2 08C	+0.78	TEHTEC			J6276 prim 88C00028	C	600UL				340946	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG33 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 88
DATABASE: SONGS_UJ_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
834	123	49	0.31	121	14	P 2	VH1	-0.91	TEHTEC		J6276	prim	88C0023	C	600UL		340946	
835	123	59	0.30	97	11	P 2	VH1	+1.15	TEHTEC		K9208	seco	88C0031	C	600UL		340901	
836	123	95	0.74	131	25	P 2	VH1	+0.90	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
837	123	97	0.46	126	20	P 3	DBH	+1.36	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
838	124	42	0.22	57	10	P 2	04C	+0.85	TEHTEC		J6276	prim	88C0027	C	600UL		340901	
839	124	54	0.25	137	10	P 2	VH1	-1.01	TEHTEC		05001	prim	88C0031	C	600UL		340901	
840	124	96	0.44	48	19	P 3	DBH	+1.76	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
841	124	110	0.52	136	13	P 2	VH1	-0.15	TEHTEC		05001	prim	88C0076	H	600UL		340946	
842	124	112	1.03	104	29	P 2	VH1	+0.81	TEHTEC		K9208	seco	88C0077	H	600UL		340827	
843	124	116	0.74	139	23	P 2	VH1	-0.84	TEHTEC		05001	prim	88C0074	H	600UL		340946	
844	125	49	0.45	120	17	P 2	08C	+0.79	TEHTEC		L7773	prim	88C0029	C	600UL		340901	
845	125	51	0.24	114	11	P 2	VH2	+1.08	TEHTEC		J6276	prim	88C0023	C	600UL		340946	
846	125	67	0.38	33	14	P 2	VH1	+1.07	TEHTEC		L8714	prim	88C0033	C	600UL		340901	
847	125	93	0.65	76	22	P 3	DBH	+1.80	TEHTEC		L8714	prim	88C0084	H	600UL		340827	
848	125	99	0.27	62	13	P 3	DBH	+0.68	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
849			0.37	113	17	P 3	DBH	+1.67	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
850	125	111	0.28	117	11	P 2	VH1	+0.93	TEHTEC		B1055	prim	88C0077	H	600UL		340827	
851	125	115	0.49	135	17	P 2	VH1	+0.85	TEHTEC		05001	prim	88C0074	H	600UL		340946	
852	126	52	0.49	134	18	P 2	VH1	+0.68	TEHTEC		L7773	prim	88C0029	C	600UL		340901	
853	126	56	0.17	36	7	P 2	VH1	-1.00	TEHTEC		J6276	prim	88C0030	C	600UL		340946	
854	126	60	0.73	118	25	P 2	VH1	-0.89	TEHTEC		J6276	prim	88C0030	C	600UL		340946	
855	126	62	0.36	134	15	P 2	VH1	-1.00	TEHTEC		L7773	prim	88C0032	C	600UL		340946	
856			0.25	112	11	P 2	VH1	+0.14	TEHTEC		L7773	prim	88C0032	C	600UL		340946	
857			0.25	30	11	P 2	VH2	+0.95	TEHTEC		L7773	prim	88C0032	C	600UL		340946	
858	126	66	0.58	137	19	P 2	VH1	-0.61	TEHTEC		L8714	prim	88C0033	C	600UL		340901	
859			0.34	102	12	P 2	VH1	+1.00	TEHTEC		L8714	prim	88C0033	C	600UL		340901	
860	126	80	0.42	114	11	P 2	VH1	-0.33	TEHTEC		D3858	reso	88C0037	C	600UL		340901	
861	126	100	0.45	110	17	P 2	VH1	-0.80	TEHTEC		J6276	prim	88C0082	H	600UL		340827	
862	126	102	0.34	137	15	P 2	10H	-0.99	TEHTEC		W2545	seco	88C0089	H	600UL		340821	
863	126	104	0.68	135	21	P 2	VH1	-0.75	TEHTEC		B1055	prim	88C0079	H	600UL		340827	
864	126	106	0.42	121	16	P 2	VH1	-0.44	TEHTEC		M4882	seco	88C0076	H	600UL		340946	
865	126	108	0.68	143	21	P 2	VH1	-1.05	TEHTEC		B1055	prim	88C0077	H	600UL		340827	
866			0.36	134	13	P 2	VH1	+0.31	TEHTEC		B1055	prim	88C0077	H	600UL		340827	
867	126	110	1.13	123	29	P 2	VH1	+0.82	TEHTEC		K9208	seco	88C0075	H	600UL		340827	
868	126	114	0.42	60	16	P 2	VH1	+0.93	TEHTEC		M4882	seco	88C0075	H	600UL		340946	
869	126	113	0.23	137	13	P 2	VH1	+1.07	TEHTEC		K9208	seco	88C0075	H	600UL		340827	
870	127	97	0.31	83	13	P 2	VH2	-0.77	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
871	127	103	0.24	137	9	P 2	VH1	-0.54	TEHTEC		B1055	prim	88C0079	H	600UL		340827	
872			0.51	75	17	P 2	VH1	+1.05	TEHTEC		B1055	prim	88C0079	H	600UL		340827	
873	127	111	0.46	78	17	P 2	VH1	-0.93	TEHTEC		M4882	seco	88C0076	H	600UL		340946	
874	127	115	0.45	118	19	P 2	VH1	+0.92	TEHTEC		K9208	seco	88C0075	H	600UL		340827	
875	127	123	0.31	119	15	P 2	VH2	-0.89	TECTSH		T6956	prim	88H0026	H	600UL		340885	
876	129	46	0.31	107	12	P 2	02C	+0.77	TEHTEC		L7773	prim	88C0029	C	600UL		340901	
877	128	58	0.44	102	17	P 2	VH3	+0.90	TEHTEC		J6276	prim	88C0030	C	600UL		340946	
878	128	76	0.27	48	12	P 2	10H	+0.88	TEHTEC		01525	seco	88C0036	C	600UL		340946	
879	129	78	0.56	127	15	P 2	VH1	-0.92	TEHTEC		D3858	reso	88C0037	C	600UL		340901	
880	129	96	0.34	92	14	P 2	VH1	-0.78	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
881	128	100	0.47	131	19	P 2	VH1	-0.83	TEHTEC		B1055	prim	88C0081	H	600UL		340821	
882	128	106	0.65	110	21	P 2	VH1	-0.80	TEHTEC		B1055	prim	88C0077	H	600UL		340827	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI,MCZ,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
883	129	110	0.38	141	14	P 2	VH1	-0.87	TEHTEC		C5001	prim	88C00076	H	500UL		340946	
884	128	130	0.24	61	10	P 2	08C	-0.99	TECTEH		N9952	prim	88H00027	H	500UL		340903	
885	129	75	0.47	71	12	P 2	VH1	-0.82	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
886	129	99	0.58	80	22	P 2	10H	-0.22	TEHTEC		B1355	prim	88C00081	H	500UL		340821	
887	130	72	0.28	68	14	P 2	VH1	-0.88	TEHTEC		C5001	prim	88C00034	C	500UL		340946	
888	130	74	0.55	88	22	P 2	VH1	-0.83	TEHTEC		C5001	prim	88C00034	C	500UL		340946	
889	130	75	0.41	99	11	P 2	VH1	-0.32	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
890			0.62	74	16	P 2	VH1	+0.85	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
891	130	78	0.37	58	16	P 2	VH1	-0.39	TEHTEC		C3697	prim	88C00036	C	500UL		340946	
892	130	90	0.44	132	12	P 2	VH1	-0.78	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
893			0.43	91	11	P 2	VH2	-0.92	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
894	130	38	0.38	85	15	P 2	VH1	+0.38	TEHTEC		H3464	prim	88C00040	C	500UL		340901	
895			0.21	162	9	P 2	VH1	+0.78	TEHTEC		H3071	seco	88C00040	C	500UL		340901	
896	130	102	0.57	133	22	P 2	10H	-0.89	TEHTEC		W2545	seco	88C00089	H	500UL		340821	
897	130	106	0.29	103	12	P 2	VH1	-0.93	TEHTEC		M4882	seco	88C00076	H	500UL		340946	
898			0.23	94	10	P 2	VH1	-0.05	TEHTEC		M4882	seco	88C00076	H	500UL		340946	
899	131	51	0.63	113	23	P 2	VH2	+0.94	TEHTEC		J6276	prim	88C00028	C	500UL		340946	
900			0.57	110	23	P 3	DBC	+1.65	TEHTEC		J6276	prim	88C00028	C	500UL		340946	
901	131	83	0.31	93	14	P 2	VH1	-0.97	TEHTEC		F7460	prim	88C00038	C	500UL		340946	
902	131	89	0.22	117	9	P 2	VH1	-0.89	TEHTEC		C3697	prim	88C00041	C	500UL		340946	
903	131	97	0.34	106	15	P 2	VH1	+0.93	TEHTEC		B1055	prim	88C00081	H	500UL		340821	
904	131	103	1.01	40	27	P 2	VC3	-0.76	TEHTEC		G4841	reso	88C00079	H	500UL		340827	
905	131	105	0.54	78	15	P 2	01H	+3.78	TEHTEC		T6878	seco	88C00078	H	500UL		340946	
906	132	70	0.74	87	27	P 2	VH1	+0.72	TEHTEC		C5001	prim	88C00034	C	500UL		340946	
907	132	92	0.40	80	15	P 2	VH1	-0.80	TEHTEC		L8714	prim	88C00084	H	500UL		340827	
908			0.31	83	12	P 2	VH2	-0.80	TEHTEC		L8714	prim	88C00084	H	500UL		340827	
909	132	95	0.46	89	18	P 2	VH1	-0.86	TEHTEC		B1055	prim	88C00081	H	500UL		340821	
910	132	100	0.54	124	21	P 2	VH1	-0.85	TEHTEC		B1055	prim	88C00081	H	500UL		340821	
911	133	51	0.28	88	11	P 2	08C	+0.84	TEHTEC		L7773	prim	88C00029	C	500UL		340901	
912	133	75	0.42	31	11	P 2	10H	+0.84	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
913	133	81	0.32	131	9	P 2	VH1	+0.95	TEHTEC		D3858	reso	88C00037	C	500UL		340901	
914	133	87	0.77	91	27	P 2	VH1	-0.72	TEHTEC		F7460	prim	88C00038	C	500UL		340946	
915	133	91	0.63	148	21	P 2	VH1	-0.74	TEHTEC		L8714	prim	88C00084	H	500UL		340827	
916	133	101	0.45	149	19	P 2	VH1	-0.87	TEHTEC		T6956	prim	88C00080	H	500UL		331930	
917	134	58	0.31	128	13	P 2	VC2	-0.74	TEHTEC		J6276	prim	88C00030	C	500UL		340946	
918			0.34	82	14	P 2	VC1	-0.89	TEHTEC		J6276	prim	88C00030	C	500UL		340946	
919	134	64	0.29	148	12	P 2	VH2	-0.89	TEHTEC		L7773	prim	88C00032	C	500UL		340946	
920	134	66	0.36	149	13	P 2	VH1	-0.76	TEHTEC		L8714	prim	88C00033	C	500UL		340901	
921			0.35	156	12	P 2	VH2	-0.91	TEHTEC		L8714	prim	88C00033	C	500UL		340901	
922	134	68	0.37	104	15	P 2	VH2	-0.81	TEHTEC		C3697	prim	88C00032	C	500UL		340946	
923	134	74	0.44	69	19	P 2	VH1	-0.88	TEHTEC		F7460	prim	88C00034	C	500UL		340946	
924	134	76	0.48	116	13	P 2	VH1	-0.78	TEHTEC		L8714	prim	88C00037	C	500UL		340901	
925	134	80	0.34	56	9	P 2	VH2	-0.81	TEHTEC		D3858	reso	88C00037	C	500UL		340901	
926	134	84	0.75	146	24	P 2	VH1	-0.76	TEHTEC		B4052	prim	88C00040	C	500UL		340901	
927	134	88	0.61	129	21	P 2	VH1	-0.85	TEHTEC		H3071	seco	88C00040	C	500UL		340901	
928	134	90	0.30	139	12	P 2	VH1	+1.01	TEHTEC		C3697	prim	88C00041	C	500UL		340946	
929	134	94	0.42	84	16	P 2	VH1	-0.90	TEHTEC		J6276	prim	88C00082	H	500UL		340827	
930			0.28	86	11	P 2	VH1	+0.95	TEHTEC		J6276	prim	88C00082	H	500UL		340827	
931	134	96	0.55	126	20	P 2	VH1	-0.91	TEHTEC		J6276	prim	88C00082	H	500UL		340827	

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
932	134	102	0.45	122	12	P 2	VH2	+0.37	TEHTEC		T5956	prim	88C00078	H	600UL			340946
933	134	110	0.31	127	24	P 2	VH1	-0.74	TEHTEC		B1055	prim	88C00077	H	600UL			340827
934	135	97	0.46	95	13	P 2	VH1	-0.33	TEHTEC		B1055	prim	88C00081	H	600UL			340821
935	136	70	0.58	33	23	P 2	VH1	+1.02	TEHTEC		C5001	prim	88C00034	C	600UL			340946
936	136	76	0.44	156	18	P 2	VH1	+0.72	TEHTEC		C3697	prim	88C00036	C	600UL			340946
937	136	78	0.50	132	13	P 2	VH1	-0.87	TEHTEC		L8714	prim	88C00037	C	600UL			340901
938	136	32	0.52	156	14	P 2	VH1	-0.53	TEHTEC		D3858	reso	88C00037	C	600UL			340901
939	136	84	0.31	54	14	P 2	VH1	-0.96	TEHTEC		F7460	prim	88C00038	C	600UL			340946
940			0.33	35	15	P 2	VH1	+0.58	TEHTEC		F7460	prim	88C00033	C	600UL			340946
941	136	92	0.30	125	12	P 2	VH1	-0.33	TEHTEC		R6452	prim	88C00083	H	600UL			340821
942			0.23	154	9	P 2	VH1	+0.38	TEHTEC		R6452	prim	88C00083	H	600UL			340821
943	136	100	0.14	155	7	P 2	VH2	-0.39	TEHTEC		N0942	reso	88C00031	H	600UL			340821
944	136	108	0.85	138	25	P 2	VH1	-0.80	TEHTEC		C5001	prim	88C00076	H	600UL			340946
945			0.29	64	11	P 2	VH1	+0.92	TEHTEC		C5001	prim	88C00076	H	600UL			340946
946	137	59	0.68	127	27	P 3	DBC	+1.70	TEHTEC		P5006	reso	88C00030	C	600UL			340946
947	137	69	0.34	71	16	P 2	VH1	-0.91	TEHTEC		O5001	prim	88C00034	C	600UL			340946
948			0.22	43	11	P 2	VH1	+0.89	TEHTEC		O5001	prim	88C00034	C	600UL			340946
949	137	85	0.28	73	12	P 2	09H	+0.95	TEHTEC		B4052	prim	88C00040	C	600UL			340901
950	137	89	0.41	114	11	P 2	VH1	-0.98	TEHTEC		F7460	prim	88C00043	C	600UL			340901
951			0.59	79	17	P 2	VH1	+0.37	TEHTEC		F7460	prim	88C00043	C	600UL			340901
952	137	93	0.61	129	21	P 2	VH1	-0.91	TEHTEC		L8714	prim	88C00084	H	600UL			340827
953	137	103	0.89	74	22	P 2	VH1	-0.81	TEHTEC		T5956	prim	88C00078	H	600UL			340946
954	138	64	0.22	85	9	P 2	VH2	-0.79	TEHTEC		L7773	prim	88C00032	C	600UL			340946
955	138	74	0.94	124	26	P 2	VH1	-0.38	TEHTEC		B4052	prim	88C00035	C	600UL			340901
956			0.37	157	13	P 2	VH2	-0.37	TEHTEC		B4052	prim	88C00035	C	600UL			340901
957	138	75	0.51	111	13	P 2	VH1	+0.00	TEHTEC		L8714	prim	88C00037	C	600UL			340901
958			0.51	82	13	P 2	VH2	-0.38	TEHTEC		L8714	prim	88C00037	C	600UL			340901
959	138	88	0.97	112	28	P 2	VH1	-0.36	TEHTEC		H3071	seco	88C00040	C	600UL			340901
960			0.31	58	12	P 2	VH1	+0.65	TEHTEC		H3071	seco	88C00040	C	600UL			340901
961	138	92	0.39	147	15	P 2	VH1	-0.84	TEHTEC		L8714	prim	88C00084	H	600UL			340827
962	138	94	0.40	54	15	P 2	VH1	+0.87	TEHTEC		B1055	prim	88C00081	H	600UL			340821
963			0.30	83	13	P 2	VH2	+0.85	TEHTEC		B1055	prim	88C00081	H	600UL			340821
964	139	69	0.87	115	24	P 2	VC1	-0.79	TEHTEC		T5956	prim	88C00035	C	600UL			340901
965	139	93	0.36	61	14	P 2	VC1	+0.93	TEHTEC		R6452	prim	88C00083	H	600UL			340821
966	140	75	0.55	99	21	P 2	VH1	-0.99	TEHTEC		C3697	prim	88C00036	C	600UL			340946
967	140	78	0.37	125	10	P 2	VH1	-0.33	TEHTEC		L8714	prim	88C00037	C	600UL			340901
968			0.36	88	10	P 2	VH2	-0.80	TEHTEC		L8714	prim	88C00037	C	600UL			340901
969	140	80	0.34	146	12	P 3	DBH	-1.68	TEHTEC		L8714	prim	88C00037	C	600UL			340901
970			0.98	86	23	P 2	VH1	-0.90	TEHTEC		L8714	prim	88C00037	C	600UL			340901
971			0.36	54	10	P 2	VH2	-0.86	TEHTEC		L8714	prim	88C00037	C	600UL			340901
972	140	82	0.37	118	10	P 2	VH1	-0.81	TEHTEC		L8714	prim	88C00037	C	600UL			340901
973			0.29	76	8	P 2	VH2	-0.31	TEHTEC		L8714	prim	88C00037	C	600UL			340901
974	140	92	0.27	125	11	P 2	VH1	-0.85	TEHTEC		R6452	prim	88C00083	H	600UL			340821
975			0.25	141	10	P 2	VH2	-0.81	TEHTEC		R6452	prim	88C00083	H	600UL			340821
976	141	63	0.44	84	15	P 3	DBH	-1.99	TEHTEC		K9208	seco	88C00033	C	600UL			340901
977	141	65	0.35	139	13	P 2	VH1	+0.97	TEHTEC		K9208	seco	88C00033	C	600UL			340901
978			1.11	58	29	P 3	DBC	+1.71	TEHTEC		K9208	seco	88C00033	C	600UL			340901
979	141	67	0.26	38	9	P 3	DBH	+1.73	TEHTEC		K9208	seco	88C00033	C	600UL			340901
980	141	83	0.68	114	23	P 2	VC1	+0.93	TEHTEC		B4052	prim	88C00040	C	600UL			340901

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI,MC2,MM2,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
981	141	97	0.29	63	11	P 2	VH2	+1.13			J5276	prim	88C00082	H	600UL		340827
982	142	66	0.27	139	10	P 2	01H	+0.45			M7252	reso	88C00033	C	600UL		340901
983			1.04	86	28	P 3	DBH	+1.90			K9208	seco	88C00033	C	600UL		340901
984			0.37	57	13	P 2	VH1	+0.56			L8714	prim	88C00033	C	600UL		340901
985			0.38	97	14	P 2	VC3	-0.85			L8714	prim	88C00033	C	600UL		340901
986			0.91	101	26	P 3	DBC	+1.59			K9208	seco	88C00033	C	600UL		340901
997	142	72	0.38	137	13	P 2	VH1	+0.89			B4052	prim	88C00035	C	600UL		340901
988	142	78	0.39	108	29	P 2	VH1	-0.89			C3697	prim	88C00036	C	600UL		340946
989	142	82	0.53	40	21	P 2	VH2	-0.85			J1220	seco	88C00036	C	600UL		340946
990	142	88	0.17	115	SVI	2	TSC	+0.39	TO+0.63		C3340	reso	88C00097	C	600PPZ		340701
991	142	92	0.37	153	14	P 2	VH1	-0.85			L8714	prim	88C00084	H	600UL		340827
992			0.39	70	15	P 2	VH2	-0.83			L8714	prim	88C00084	H	600UL		340827
993	142	94	0.17	18	5	P 2	VH1	+0.90			J6276	prim	88C00082	H	600UL		340827
994	142	98	0.41	132	16	P 2	VH1	+0.86			C3340	reso	88C00082	H	600UL		340827
995	142	104	0.42	136	10	P 3	DBH	+1.88			T6878	seco	88C00078	H	600UL		340946
996	142	108	0.30	140	11	P 2	VH2	-0.80			K9208	seco	88C00077	H	600UL		340827
997			0.34	115	12	P 2	VH3	+0.91			K9208	seco	88C00077	H	600UL		340827
998	143	71	0.33	25	18	P 3	DBH	-1.99			W2155	seco	88C00034	C	600UL		340946
999			0.41	146	21	P 3	DBH	+1.82			W2155	seco	88C00034	C	600UL		340946
1000	143	75	0.38	98	16	P 3	DBH	+1.97			C3697	prim	88C00036	C	600UL		340946
1001	143	79	0.45	109	20	P 3	DBH	+1.89			J1220	seco	88C00036	C	600UL		340946
1002	143	89	0.29	124	12	P 2	08C	+0.79			C3697	prim	88C00041	C	600UL		340946
1003	143	91	0.47	31	17	P 2	VC1	-0.79			R6452	prim	88C00083	H	600UL		340821
1004	143	101	0.30	88	12	P 2	VC1	-0.82			J6276	prim	88C00082	H	600UL		340827
1005	144	70	0.73	166	30	P 3	DBC	+1.91			W2155	seco	88C00034	C	600UL		340946
1006	144	76	1.52	63	41	P 3	DBH	+1.78			M7262	reso	88C00036	C	600UL		340946
1007			0.31	87	14	P 2	VH2	-0.86			C3697	prim	88C00036	C	600UL		340946
1008	144	78	0.79	47	24	P 3	DBH	+2.02			L8714	prim	88C00037	C	600UL		340901
1009			0.43	72	11	P 2	VH2	-0.78			L8714	prim	88C00037	C	600UL		340901
1010	144	80	0.39	144	14	P 3	DBC	+1.79			D3858	reso	88C00037	C	600UL		340901
1011	144	82	0.18	124	7	P 3	DBH	+1.98			L8714	prim	88C00037	C	600UL		340901
1012	144	92	0.34	26	13	P 2	10C	-0.98			R6452	prim	88C00083	H	600UL		340821
1013	144	94	0.24	149	12	P 2	VH2	+0.94			B1055	prim	88C00081	H	600UL		340821
1014	144	96	0.33	93	15	P 3	DBH	+1.77			B1055	prim	88C00081	H	600UL		340821
1015			0.83	95	27	P 2	VH1	+0.86			B1055	prim	88C00081	H	600UL		340821
1016	144	98	0.92	106	29	P 2	VC2	-0.71			B1055	prim	88C00081	H	600UL		340821
1017			0.96	81	30	P 2	VC2	+0.03			B1055	prim	88C00081	H	600UL		340821
1018			0.74	105	25	P 2	VC2	+0.89			B1055	prim	88C00081	H	600UL		340821
1019			1.74	112	39	P 2	VC1	-0.76			B1055	prim	88C00081	H	600UL		340821
1020			1.64	111	38	P 2	VC1	+0.99			B1055	prim	88C00081	H	600UL		340821
1021			1.79	112	43	P 3	DBC	+1.83			B1055	prim	88C00081	H	600UL		340821
1022	144	102	0.39	41	14	P 2	VC3	+0.92			B1055	prim	88C00079	H	600UL		340827
1023	144	104	1.19	116	25	P 3	DBC	+1.64			M7262	reso	88C00079	H	600UL		340827
1024	145	75	0.65	102	21	P 3	DBH	+2.03			L8714	prim	88C00037	C	600UL		340901
1025	145	77	1.44	32	35	P 3	DBC	+2.00			D3858	reso	88C00037	C	600UL		340901
1026	145	91	0.68	100	22	P 2	VC1	-0.93			L8714	prim	88C00084	H	600UL		340827
1027	145	93	0.32	95	12	P 2	VC1	-0.70			L8714	prim	88C00084	H	600UL		340827
1028			0.60	14	21	P 3	DBC	+1.84			M6078	reso	88C00084	H	600UL		340827
1029	145	99	0.48	125	19	P 2	VH2	+0.95			B1055	prim	88C00081	H	600UL		340821

Inservice Inspection of Steam Generator Tubes
Appendix 3

SG88 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 88
DATABASE: SONGS_U3_0101_SG88

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/A
1030			0.83	132	27	P 2	VH3	+1.00	TEHTEC			B1055	prim	88C00081	H	500UL	340821
1031	145	101	0.17	136	8	P 2	VH1	+1.06	TEHTEC			B1055	prim	88C00081	H	500UL	340821
1032	146	90	0.77	77	24	P 3	DBC	+1.47	TEHTEC			M7262	reso	88C00043	C	600UL	340901
1033	146	92	0.47	122	17	P 2	10C	+0.73	TEHTEC			L8714	prim	88C00084	H	600UL	340827
1034	146	100	0.23	68	10	P 2	VC2	-0.74	TEHTEC			B1055	prim	88C00081	H	600UL	340821
1035			0.52	106	20	P 2	10C	+0.69	TEHTEC			B1055	prim	88C00081	H	600UL	340821
1036	147	91	0.41	101	15	P 2	VC1	-0.82	TEHTEC			R6452	prim	88C00083	H	600UL	340821
1037			0.54	115	19	P 2	VC1	+0.68	TEHTEC			R6452	prim	88C00083	H	600UL	340821
1038	147	93	0.68	126	22	P 2	VH2	-0.60	TEHTEC			R6452	prim	88C00083	H	600UL	340821

QUERY REPORT SUMMARY:

QUERY PARAMETER	ENTRIES	TUBES
0 to 100 Percent	1015	763
MAI Indication Code	0	0
MCI Indication Code	0	0
MMI Indication Code	0	0
MVI Indication Code	0	0
SAI Indication Code	20	13
SCI Indication Code	2	2
SVI Indication Code	1	1

TOTAL ENTRIES: 1038
TOTAL TUBES: 777

Appendix 4
Inspection Summary
Steam Generator E-089

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 89
DATABASE: SCNGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
1	50	12	0.14	106	9	P 2	VSM	-0.94	TEHTEC		T5565	prim	89C00015	C	600UL		340828	
2	53	12	0.35	137	21	P 2	02C	+0.00	TEHTEC		T5565	prim	89C00015	C	600UL		340828	
3	30	15	0.54	158	30	P 3	DBC	+1.83	TEHTEC		J1973	prim	89C00015	C	600UL		340828	
4	33	17	0.28	90	12	P 2	04H	+0.92	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
5	83	17	0.51	50	24	P 2	08H	+0.72	TEHTEC		R3710	prim	89C00013	C	600UL		340900	
6			0.48	45	23	P 2	02C	-0.87	TEHTEC		R3710	prim	89C00013	C	600UL		340900	
7	50	13	0.65	83	23	P 2	VSM	-0.82	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
8			0.34	127	14	P 2	VSM	+0.77	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
9	66	13	0.39	120	16	P 2	VH3	-0.76	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
10	78	13	0.52	103	22	P 2	VSM	+0.86	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
11	32	18	0.52	134	20	P 2	08C	+0.70	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
12	75	19	0.39	132	15	P 2	VSM	-0.50	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
13			0.77	105	26	P 2	VC3	+0.85	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
14	50	20	0.46	76	13	P 2	VSM	+0.30	TEHTEC		S7752	reso	89C00012	C	600UL		340828	
15	62	20	0.48	117	19	P 2	VSM	+0.89	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
16	78	20	0.48	120	19	P 2	VH3	-0.70	TEHTEC		H2131	prim	89C00014	C	600UL		340828	
17	50	22	0.72	128	21	P 2	VSM	-0.72	TEHTEC		J2362	seco	89C00012	C	600UL		340828	
18			0.60	140	18	P 2	VSM	+0.93	TEHTEC		J2362	seco	89C00012	C	600UL		340828	
19	52	22	0.40	53	11	P 2	VH3	+0.86	TEHTEC		L7773	prim	89C00011	C	600UL		340900	
20	78	24	0.47	125	15	P 2	VC3	-0.86	TEHTEC		J2362	seco	89C00012	C	600UL		340828	
21	96	24	0.57	82	19	P 2	09C	+0.69	TEHTEC		T6878	seco	89C00020	C	600UL		340828	
22	5	25	0.42	119	17	P 2	03H	+0.92	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
23	79	25	0.41	98	17	P 2	08C	-1.11	TEHTEC		D3858	reso	89C00010	C	600UL		340828	
24	93	25	0.29	155	15	P 2	VC3	-0.77	TEHTEC		B2153	seco	89C00019	C	600UL		340900	
25	97	25	0.32	99	16	P 2	VH3	+0.88	TEHTEC		B2153	seco	89C00019	C	600UL		340900	
26	65	27	0.53	129	21	P 2	VSM	-0.84	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
27	33	23	0.29	93	13	P 2	VSM	-0.57	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
28			0.34	46	15	P 2	VSM	+0.96	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
29	56	28	0.38	73	17	P 2	VH3	-0.69	TEHTEC		D3858	reso	89C00009	C	600UL		340900	
30	70	28	0.45	90	19	P 2	VH3	-0.79	TEHTEC		D3858	reso	89C00009	C	600UL		340900	
31	78	28	0.36	132	15	P 2	VH3	-0.73	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
32			0.28	108	13	P 2	VSM	+1.05	TEHTEC		R3710	prim	89C00009	C	600UL		340900	
33	63	29	0.33	121	15	P 2	VSM	-0.74	TEHTEC		H2131	prim	89C00008	C	600UL		340828	
34	77	29	0.68	133	24	P 2	VC3	+0.88	TEHTEC		W2545	seco	89C00007	C	600UL		340900	
35	79	29	0.44	68	20	P 2	VC3	+0.86	TEHTEC		H2131	prim	89C00008	C	600UL		340828	
36	81	29	0.43	144	17	P 2	VH3	+0.78	TEHTEC		C3697	prim	89C00007	C	600UL		340900	
37	89	29	0.59	120	21	P 2	VH2	-0.71	TEHTEC		W2545	seco	89C00007	C	600UL		340900	
38	103	29	0.43	109	21	P 2	VH2	+0.93	TEHTEC		B2153	seco	89C00019	C	600UL		340900	
39	64	30	0.32	98	15	P 2	VH3	-0.70	TEHTEC		H2131	prim	89C00008	C	600UL		340828	
40	72	30	0.33	148	15	P 2	VH3	-0.76	TEHTEC		D4825	seco	89C00008	C	600UL		340828	
41			0.30	140	15	P 2	VSM	-0.76	TEHTEC		D4825	seco	89C00008	C	600UL		340828	
42	105	30	0.24	128	8	P 2	09H	+0.75	TEHTEC		T6878	seco	89C00020	C	600UL		340828	
43	41	31	0.73	128	25	P 2	VSM	+0.91	TEHTEC		C3697	prim	89C00007	C	600UL		340900	
44	105	31	0.32	159	17	P 2	VH2	-0.73	TEHTEC		B2153	seco	89C00019	C	600UL		340900	
45	107	31	0.32	139	14	P 3	DBH	-1.62	TEHTEC		W5710	reso	89C00020	C	600UL		340828	
46	70	32	0.50	7	SAI	2	TSH	-0.12	TSHTSH	2.35	0.21	W5710	reso	89H00128	H	600PPZ		340966
47	108	32	0.28	53	15	P 2	VC2	-0.64	TEHTEC		B2153	seco	89C00019	C	600UL		340900	
48	45	33	0.35	67	14	P 2	VSM	-0.67	TEHTEC		M7262	reso	89C00007	C	600UL		340900	
49	113	33	0.32	82	10	P 2	VH3	+0.91	TEHTEC		J9815	prim	89C00020	C	600UL		340828	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PRCBE	SIZE	PRCBE	S/N
50	38	34	0.33	147	17	P	2 VH2	-0.78	TEHTEC		B2153	seco	89C00019	C	600UL			340900	
51	110	34	0.20	98	7	P	2 07H	+0.07	TEHTEC		T5878	seco	89C00020	C	600UL			340828	
52	46	36	0.70	69	25	P	2 VSM	-0.98	TEHTEC		M6643	seco	89C00006	C	600UL			340828	
53			0.29	105	12	P	2 VSM	+0.22	TEHTEC		S1348	prim	89C00006	C	600UL			340828	
54			0.50	65	20	P	2 VSM	+0.85	TEHTEC		M6643	seco	89C00006	C	600UL			340828	
55	67	37	0.19	77	SCI	P	1 TSH	+0.00	TSHTSH	0	G4841	reso	89H00129	H	600PPZ			340952	
56	113	37	0.39	138	19	P	2 VH2	-0.79	TEHTEC		B2153	seco	89C00019	C	600UL			340900	
57	43	39	0.48	90	17	P	2 VSM	-1.06	TEHTEC		K7060	reso	89C00004	C	600UL			340828	
58	79	39	0.33	77	19	P	3 DBC	+1.94	TEHTEC		M6643	seco	89C00004	C	600UL			340828	
59	38	40	0.61	89	23	P	2 VSM	-0.79	TEHTEC		K9208	seco	89C00003	C	600UL			340900	
60	97	41	0.41	155	21	P	2 VH2	+0.88	TEHTEC		T5565	prim	89C00022	C	600UL			340828	
61	103	41	0.44	138	22	P	2 VH2	-0.67	TEHTEC		T5565	prim	89C00022	C	600UL			340828	
62	121	41	0.32	111	16	P	2 VH2	-0.79	TEHTEC		O1057	prim	89C00021	C	600UL			340900	
63	56	42	0.30	85	14	P	2 VSM	+0.74	TEHTEC		M6643	seco	89C00002	C	600UL			340828	
64	60	42	0.31	117	15	P	2 VH3	+0.74	TEHTEC		M6643	seco	89C00002	C	600UL			340828	
65	36	42	0.37	161	20	P	2 VC2	-0.66	TEHTEC		T5565	prim	89C00022	C	600UL			340828	
66	39	43	0.46	130	20	P	2 VSM	+0.76	TEHTEC		B1055	prim	89C00002	C	600UL			340828	
67	75	43	0.65	106	25	P	2 VC3	+0.78	TEHTEC		B1055	prim	89C00002	C	600UL			340828	
68	36	44	0.38	134	16	P	2 VSM	-0.68	TEHTEC		J5276	prim	89C00001	C	600UL			340900	
69	64	44	0.42	107	18	P	2 VC3	+0.91	TEHTEC		K9208	seco	89C00001	C	600UL			340900	
70	43	45	0.33	45	20	P	3 DBH	+1.85	TEHTEC		B1055	prim	89C00002	C	600UL			340828	
71	37	45	0.35	142	16	P	2 VH2	-0.70	TEHTEC		M6643	seco	89C00002	C	600UL			340828	
72			0.41	125	19	P	2 VH2	+0.82	TEHTEC		M6643	seco	89C00002	C	600UL			340828	
73	107	45	0.50	114	22	P	2 VH2	-0.79	TEHTEC		O1057	prim	89C00023	C	600UL			332248	
74			0.63	42	26	P	2 VH2	+0.96	TEHTEC		O1057	prim	89C00023	C	600UL			332248	
75	115	45	0.51	128	23	P	2 VH1	-0.66	TEHTEC		O1057	prim	89C00023	C	600UL			332248	
76	98	46	0.23	99	15	P	3 DBC	-1.88	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
77	104	46	0.31	69	15	P	2 VH2	-0.76	TEHTEC		G6920	seco	89C00023	C	600UL			332248	
78	106	46	0.29	108	13	P	2 VH3	-0.80	TEHTEC		C3340	reso	89C00024	C	600UL			340905	
79	118	46	0.37	88	16	P	2 VH1	-0.70	TEHTEC		P5436	prim	89C00024	C	600UL			340905	
80	41	47	0.23	141	10	P	2 VSM	+0.28	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
81			0.19	144	9	P	2 VSM	+0.75	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
82	57	47	0.30	120	13	P	2 08H	+0.60	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
83	30	48	0.32	24	SCI	P	1 TSH	-0.10	TSHTSH	0.38	K7060	reso	89H00134	H	600PPZ			340966	
84	60	48	0.62	66	23	P	2 08H	-0.78	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
85	49	49	0.55	141	22	P	2 08H	+1.62	TEHTEC	LOCOK	M7262	reso	89C00048	C	600UL			332254	
86	65	49	0.46	139	20	P	2 VH3	-0.76	TEHTEC		W2155	seco	89C00048	C	600UL			332254	
87			0.26	117	12	P	2 VH3	+0.89	TEHTEC		K7060	reso	89C00048	C	600UL			332254	
88	77	49	0.37	128	17	P	2 VC3	-0.85	TEHTEC		W2155	seco	89C00048	C	600UL			332254	
89	60	50	0.33	107	14	P	2 08H	-0.38	TEHTEC		L2157	prim	89C00049	C	600UL			340817	
90	62	50	0.50	82	21	P	2 08H	-0.11	TEHTEC		W2155	seco	89C00048	C	600UL			332254	
91	43	51	0.24	127	11	P	2 02H	+0.84	TEHTEC		W2155	seco	89C00046	C	600UL			332254	
92	39	51	0.26	86	10	P	2 VH2	+0.72	TEHTEC		C3697	prim	89C00046	C	600UL			332254	
93	68	52	0.95	139	33	P	2 VH3	-0.77	TEHTEC		L2157	prim	89C00047	C	600UL			340817	
94			0.66	98	26	P	2 VH3	+1.02	TEHTEC		L2157	prim	89C00047	C	600UL			340817	
95			0.35	123	17	P	2 VSM	-0.77	TEHTEC		L2157	prim	89C00047	C	600UL			340817	
96			0.89	132	32	P	2 VSM	+0.90	TEHTEC		L2157	prim	89C00047	C	600UL			340817	
97	63	53	0.45	99	17	P	2 08H	+0.42	TEHTEC		C3697	prim	89C00046	C	600UL			332254	
98	71	53	0.29	60	12	P	2 08H	+0.52	TEHTEC		C3697	prim	89C00046	C	600UL			332254	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SGI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
99	95	53	0.31	120	13	P 2	VH2	+0.63	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
100	115	53	0.33	74	14	P 2	VSM	+0.95	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
101	133	53	0.26	40	16	P 3	DBH	+1.89	TEHTEC		E4963	reso	89C00026	C	600UL	340905	
102	68	54	0.32	108	16	P 2	08H	+0.40	TEHTEC		L2157	prim	89C00047	C	600UL	340817	
103	90	54	0.33	69	13	P 2	VH2	-0.77	TEHTEC		C3697	prim	89C00046	C	600UL	332254	
104	100	54	0.37	154	17	P 2	VH2	-0.65	TEHTEC		R5555	seco	89C00025	C	600UL	332248	
105	116	54	0.38	125	13	P 2	VSM	+0.77	TEHTEC		R5555	seco	89C00025	C	600UL	332248	
106			0.38	139	13	P 2	VC2	+0.80	TEHTEC		R5555	seco	89C00025	C	600UL	332248	
107	118	54	0.33	129	14	P 2	VH2	-0.70	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
108	33	55	0.35	28	11	P 2	VSM	+0.99	TEHTEC		B2153	seco	89C00051	C	600UL	340817	
109	67	55	0.25	150	10	P 2	08H	+0.78	TEHTEC		C3697	prim	89C00046	C	600UL	332254	
110	69	55	0.42	144	20	P 2	08H	+0.85	TEHTEC		L2157	prim	89C00047	C	600UL	340817	
111	70	56	0.29	135	15	P 2	08H	+0.75	TEHTEC		L2157	prim	89C00047	C	600UL	340817	
112	104	56	0.39	160	13	P 2	VH2	-0.88	TEHTEC		J9815	prim	89C00025	C	600UL	332248	
113	110	56	0.21	130	9	P 2	VH2	+0.94	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
114	126	56	0.36	118	15	P 2	VH1	+0.93	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
115	125	57	0.61	114	25	P 2	VH1	-0.88	TEHTEC		J9815	prim	89C00025	C	600UL	332248	
116			0.45	115	20	P 2	VH1	+0.90	TEHTEC		J9815	prim	89C00025	C	600UL	332248	
117	108	58	0.46	93	21	P 2	VC3	+0.94	TEHTEC		J9815	prim	89C00025	C	600UL	332248	
118	124	58	0.37	124	16	P 2	VH1	-0.82	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
119			0.40	97	17	P 2	VH1	+0.87	TEHTEC		T5565	prim	89C00026	C	600UL	340905	
120	41	59	0.60	139	22	P 2	VSM	-0.85	TEHTEC		L2157	prim	89C00055	C	600UL	340817	
121			0.46	131	19	P 2	VSM	+0.00	TEHTEC		L2157	prim	89C00055	C	600UL	340817	
122	65	59	0.64	119	23	P 2	VSM	-0.77	TEHTEC		L2157	prim	89C00055	C	600UL	340817	
123			0.39	145	16	P 2	VSM	+0.84	TEHTEC		L2157	prim	89C00055	C	600UL	340817	
124	46	60	1.04	130	31	P 2	VSM	-0.62	TEHTEC		L7871	prim	89C00054	C	600UL	332254	
125			0.41	141	18	P 2	VSM	+0.07	TEHTEC		C1115	seco	89C00054	C	600UL	332254	
126	66	60	0.34	71	17	P 2	VSM	-0.62	TEHTEC		P5436	prim	89C00044	C	600UL	332254	
127			0.70	108	27	P 2	VSM	+0.81	TEHTEC		P5436	prim	89C00044	C	600UL	332254	
128	106	60	0.72	130	34	P 3	DBH	+1.06	TEHTEC		N0942	reso	89C00028	C	600UL	340905	
129	110	60	0.37	124	15	P 2	VC3	+0.86	TEHTEC		R5555	seco	89C00023	C	600UL	340905	
130	77	61	0.50	127	22	P 2	VH3	-0.39	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
131			0.46	157	21	P 2	VSM	+0.95	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
132	81	61	0.37	136	18	P 2	VH3	-0.73	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
133	127	61	0.39	95	22	P 2	10H	+0.48	TEHTEC		L2157	prim	89C00027	C	600UL	332248	
134	129	61	0.36	104	15	P 2	VH1	-0.65	TEHTEC		S1848	prim	89C00028	C	600UL	340905	
135	76	62	0.37	130	17	P 2	VH3	+0.96	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
136	78	62	0.48	109	22	P 2	VC3	-0.51	TEHTEC		P5436	prim	89C00044	C	600UL	332254	
137	88	62	0.48	127	21	P 2	VH2	-0.66	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
138	126	62	0.39	46	16	P 2	VH1	-0.64	TEHTEC		S1848	prim	89C00028	C	600UL	340905	
139	130	62	0.64	139	23	P 2	VH1	+0.83	TEHTEC		S1848	prim	89C00028	C	600UL	340905	
140	71	63	0.40	68	19	P 2	VH3	-0.68	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
141	127	63	0.30	154	13	P 2	VH1	-0.69	TEHTEC		S1848	prim	89C00028	C	600UL	340905	
142			0.39	122	16	P 2	VH1	+0.81	TEHTEC		S1848	prim	89C00028	C	600UL	340905	
143	129	63	0.34	128	21	P 2	10H	+0.53	TEHTEC		L2157	prim	89C00027	C	600UL	332248	
144			0.35	56	21	P 2	VH1	+1.09	TEHTEC		L2157	prim	89C00027	C	600UL	332248	
145	82	64	0.47	78	21	P 2	VH3	+1.00	TEHTEC		P5436	prim	89C00044	C	600UL	332254	
146	88	64	0.48	93	21	P 2	VH2	-0.59	TEHTEC		R6452	prim	89C00045	C	600UL	340817	
147	126	64	0.65	122	23	P 2	VH1	-0.94	TEHTEC		S1848	prim	89C00028	C	600UL	340905	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCT 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PRCBE	SIZE	PRCBE S/		
148	27	55	0.40	23	SAI	2	TSH	-1.62			TSHTSH		0.47	0.13	C3340	reso	89H00107	H	500PPZ	340952
149			0.28	15	SAI	2	TSH	-1.46			TSHTSH		0.24	0.15	C3340	reso	89H00107	H	500PPZ	340952
150			0.35	22	SAI	2	TSH	-1.39			TSHTSH		0.35	0.13	C3340	reso	89H00107	H	500PPZ	340952
151			0.38	20	SAI	2	TSH	-1.30			TSHTSH		0.47	0.13	C3340	reso	89H00107	H	500PPZ	340952
152	39	65	1.14	74	32	P	2	VSM	-0.23		TEHTEC				H3464	prim	89C00052	C	600UL	332254
153			1.33	90	34	P	2	VSM	+0.80		TEHTEC				W2155	seco	89C00052	C	600UL	332254
154	59	65	0.36	60	17	P	2	VC3	-0.67		TEHTEC				P5436	prim	89C00044	C	600UL	332254
155	129	65	0.29	130	12	P	2	VH2	-1.24		TEHTEC				G4841	reso	89C00029	C	600UL	340905
156	75	66	0.31	85	15	P	2	VSM	-1.09		TEHTEC				B1055	prim	89C00045	C	600UL	340817
157			0.20	132	11	P	2	VC3	-0.75		TEHTEC				H8551	reso	89C00045	C	600UL	340817
158	86	66	0.38	116	18	P	2	09H	+0.25		TEHTEC				P5436	prim	89C00044	C	600UL	332254
159	88	66	0.32	81	16	P	2	09H	+0.99		TEHTEC				B1055	prim	89C00045	C	600UL	340817
160	142	66	0.35	34	13	P	3	DBH	-1.65		TEHTEC				L2157	prim	89C00027	C	600UL	332248
161			0.94	57	28	P	3	DBH	+1.93		TEHTEC				L2157	prim	89C00027	C	600UL	332248
162	39	67	0.84	78	27	P	2	VSM	-0.77		TEHTEC				H3464	prim	89C00052	C	600UL	332254
163			1.23	63	33	P	2	VSM	-0.09		TEHTEC				H3464	prim	89C00052	C	600UL	332254
164			0.51	67	20	P	2	VSM	+0.75		TEHTEC				W2155	seco	89C00052	C	600UL	332254
165	91	67	0.24	83	10	P	2	VH3	-0.72		TEHTEC				L2157	prim	89C00029	C	600UL	332248
166	97	67	0.37	90	17	P	2	VH3	-0.91		TEHTEC				S1848	prim	89C00030	C	600UL	340905
167	113	67	0.45	106	20	P	2	04C	-0.03		TEHTEC				N0942	reso	89C00030	C	600UL	340905
168	127	67	0.26	101	11	P	2	VH1	+0.14		TEHTEC				D4825	seco	89C00029	C	600UL	332248
169	141	67	0.41	97	13	P	2	VH1	-0.71		TEHTEC				S1848	prim	89C00030	C	600UL	340905
170	42	68	0.42	125	17	P	2	VSM	-0.68		TEHTEC				H3464	prim	89C00052	C	600UL	332254
171	130	68	0.53	90	22	P	2	VH1	+0.75		TEHTEC				S1848	prim	89C00030	C	600UL	340905
172	134	68	0.51	107	22	P	2	10H	-0.80		TEHTEC				S1848	prim	89C00030	C	600UL	340905
173	31	69	0.54	32	SVI	2	TSH	-4.54	TO-4.25		TSHTSH		0.86	0.45	C3340	reso	89H00107	H	500PPZ	340952
174	73	69	0.41	34	19	P	2	VSM	-0.79		TEHTEC				B1055	prim	89C00045	C	600UL	340817
175	127	69	0.41	81	18	P	2	VH1	-0.59		TEHTEC				S1848	prim	89C00030	C	600UL	340905
176	134	70	0.34	115	16	P	2	VH2	-0.80		TEHTEC				S1848	prim	89C00030	C	600UL	340905
177	31	71	0.60	125	17	P	3	DBH	-1.57		TEHTEC				T3673	seco	89C00053	C	600UL	340817
178	35	71	0.76	86	26	P	2	VSM	-0.81		TEHTEC				C3697	prim	89C00053	C	600UL	340817
179	37	71	0.71	65	25	P	2	VSM	-0.74		TEHTEC				H3464	prim	89C00052	C	600UL	332254
180			0.44	61	18	P	2	VSM	+0.83		TEHTEC				H3464	prim	89C00052	C	600UL	332254
181	89	71	0.21	138	12	P	2	09H	+0.50		TEHTEC				P5436	prim	89C00044	C	600UL	332254
182	34	72	0.65	68	18	P	3	DBC	-1.71		TEHTEC				T3673	seco	89C00053	C	600UL	340817
183	38	72	0.73	138	20	P	3	DBH	-1.67		TEHTEC				T3673	seco	89C00053	C	600UL	340817
184	130	72	0.52	95	22	P	2	VH1	+0.78		TEHTEC				S1848	prim	89C00030	C	600UL	340905
185	132	72	0.38	80	15	P	2	VH1	+0.90		TEHTEC				L2157	prim	89C00029	C	600UL	332248
186	43	73	0.47	55	17	P	2	VSM	+0.31		TEHTEC				C3697	prim	89C00053	C	600UL	340817
187	45	73	0.31	87	20	P	3	DBH	+1.72		TEHTEC				P5436	prim	89C00042	C	600UL	340817
188	88	74	0.49	80	13	P	2	VH2	+0.61		TEHTEC				P5436	prim	89C00042	C	600UL	340817
189	120	74	0.44	128	18	P	2	VC3	+0.87		TEHTEC				W9213	seco	89C00033	C	600UL	332248
190	132	74	0.31	101	13	P	2	VH2	-0.95		TEHTEC				R3710	prim	89C00033	C	600UL	332248
191	134	74	0.36	61	16	P	2	VH1	+0.64		TEHTEC				S1848	prim	89C00034	C	600UL	340817
192			0.43	90	18	P	2	VH2	-0.83		TEHTEC				S1848	prim	89C00034	C	600UL	340817
193	136	74	0.35	68	15	P	2	VH1	+1.03		TEHTEC				R3710	prim	89C00033	C	600UL	332248
194	144	74	0.44	64	18	P	3	DBH	+0.46		TEHTEC				M7262	reso	89C00033	C	600UL	332248
195			0.64	104	23	P	2	VH1	-0.74		TEHTEC				R3710	prim	89C00033	C	600UL	332248
196	49	75	0.71	111	26	P	2	VSM	-0.67		TEHTEC				L7773	prim	89C00043	C	600UL	332254

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
197			0.63	124	25	P 2	VSM	-0.02			L7773	prim	89C00043		C	600UL		332254
198			0.46	142	20	P 2	VSM	+0.95			S7752	reso	89C00043		C	600UL		332254
199	55	75	0.17	101	SAI	2	TSH	+0.72			C3340	reso	89H00105		H	600PPZ		340952
200	77	75	0.35	46	16	P 2	VH3	-0.95			L7773	prim	89C00043		C	600UL		332254
201	52	76	0.21	127	15	P 3	DBC	-1.44			P5436	prim	89C00042		C	600UL		340817
202	56	76	0.48	120	13	P 2	VSM	+0.32			P5436	prim	89C00042		C	600UL		340817
203	36	76	0.21	129	11	P 2	07H	+0.22			L7773	prim	89C00043		C	600UL		332254
204	113	76	0.30	108	13	P 2	VH1	+0.54			S1848	prim	89C00034		C	600UL		340817
205	128	76	0.54	130	21	P 2	VH1	+0.80			C3340	reso	89C00033		C	600UL		332248
206	138	76	0.40	143	17	P 2	10H	+0.78			S1848	prim	89C00034		C	600UL		340817
207	47	77	0.55	106	29	P 3	DBH	-1.51			P5436	prim	89C00042		C	600UL		340817
208			1.00	82	39	P 3	DBH	+1.50			P5436	prim	89C00042		C	600UL		340817
209			0.37	58	23	P 3	DBC	+1.54			P5436	prim	89C00042		C	600UL		340817
210	51	77	0.77	67	35	P 3	DBH	-1.84			P5436	prim	89C00042		C	600UL		340817
211	53	77	0.51	121	19	P 3	DBH	-1.57			W2155	seco	89C00043		C	600UL		332254
212	71	77	0.34	127	14	P 2	VSM	-0.72			B2153	seco	89C00042		C	600UL		340817
213	135	77	0.42	125	18	P 2	VH1	+1.04			S1848	prim	89C00034		C	600UL		340817
214	46	78	0.47	126	13	P 3	DBH	+1.87			W2155	seco	89C00043		C	600UL		332254
215			0.21	5	11	P 3	DBC	+1.50			M7262	reso	89C00043		C	600UL		332254
216	50	78	0.30	78	15	P 3	DBH	-1.41			S7752	reso	89C00043		C	600UL		332248
217	100	78	0.46	97	19	P 2	08H	-0.71			R3710	prim	89C00033		C	600UL		332248
218	124	78	0.39	149	15	P 2	VH1	-0.91			R3710	prim	89C00033		C	600UL		332248
219	126	79	0.37	132	16	P 2	VH1	-0.32			S1848	prim	89C00034		C	600UL		340817
220			0.86	54	29	P 2	VH1	+0.86			S1848	prim	89C00034		C	600UL		340817
221	130	78	0.61	129	23	P 2	VH1	+1.05			R3710	prim	89C00033		C	600UL		332248
222	146	78	0.29	134	13	P 2	08H	+0.74			S1848	prim	89C00034		C	600UL		340817
223	53	79	0.77	36	35	P 3	DBH	+1.84			P5436	prim	89C00042		C	600UL		340817
224	75	79	0.67	149	26	P 2	VSM	+0.92			L7773	prim	89C00041		C	600UL		340902
225	127	79	0.64	80	23	P 2	VH1	+0.30			R3710	prim	89C00033		C	600UL		332248
226	129	79	0.38	141	16	P 2	VH1	+0.63			S1848	prim	89C00034		C	600UL		340817
227	137	79	0.39	91	17	P 2	09H	-0.79			S1848	prim	89C00034		C	600UL		340817
228	52	80	0.33	89	21	P 3	DBH	-1.92			P5436	prim	89C00042		C	600UL		340817
229	56	80	0.49	136	27	P 3	DBH	-1.86			P5436	prim	89C00042		C	600UL		340817
230	86	80	0.24	43	12	P 2	09H	+0.42			L7773	prim	89C00041		C	600UL		340902
231	120	80	0.14	90	6	P 3	DBH	+1.75			M7262	reso	89C00033		C	600UL		332248
232	128	80	0.64	88	23	P 2	VH1	-0.52			R3710	prim	89C00033		C	600UL		332248
233			0.50	72	20	P 2	VH1	+0.87			R3710	prim	89C00033		C	600UL		332248
234	132	80	0.34	135	14	P 2	VH1	-0.89			C1115	seco	89C00033		C	600UL		332248
235	134	80	0.41	137	17	P 2	VH1	-0.74			S1848	prim	89C00034		C	600UL		340817
236			0.33	141	14	P 2	VH1	+0.78			S1848	prim	89C00034		C	600UL		340817
237	51	81	1.24	33	40	P 3	DBH	+1.72			P5436	prim	89C00040		C	600UL		340817
238			0.40	42	23	P 3	DBC	-1.54			P5436	prim	89C00040		C	600UL		340817
239	59	81	0.29	11	19	P 3	DBH	+1.49			P5436	prim	89C00040		C	600UL		340817
240	79	81	0.83	140	27	P 2	VSM	+0.95			P5436	prim	89C00042		C	600UL		340817
241	137	81	0.30	25	15	P 2	08H	+0.88			S1848	prim	89C00036		C	600UL		340817
242	52	82	0.50	35	27	P 3	DBH	-1.64			P5436	prim	89C00040		C	600UL		340817
243	54	82	0.77	132	28	P 3	DBH	-1.56			T3673	seco	89C00039		C	600UL		340902
244			1.01	88	33	P 3	DBC	+1.60			R1509	reso	89C00039		C	600UL		340902
245	56	82	0.50	120	27	P 3	DBH	-1.58			P5436	prim	89C00040		C	600UL		340817

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PRCBE	SIZE	PRCBE	S/N
246	54	82	0.42	122	24	P 3	DBH	-1.65	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
247	108	82	0.31	157	13	P 2	03C	-1.08	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
248	132	82	0.49	113	19	P 2	VH1	+0.08	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
249	53	83	0.33	110	21	P 3	DBH	-1.62	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
250	55	83	1.20	90	37	P 3	DBH	-1.75	TEHTEC		H4495	seco	89C00039	C	600UL			340902	
251	57	83	0.42	45	24	P 3	DBH	-1.67	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
252	61	83	0.37	148	16	P 2	VH3	+0.67	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
253			0.38	151	17	P 2	VC3	-1.01	TEHTEC		R5555	seco	89C00040	C	600UL			340817	
254	53	83	0.32	52	14	P 3	DBC	+1.90	TEHTEC		R1509	reso	89C00039	C	600UL			340902	
255	107	83	0.29	138	12	P 2	VH3	+0.96	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
256	52	84	1.83	106	45	P 3	DBC	+1.80	TEHTEC		R5555	seco	89C00040	C	600UL			340817	
257	72	84	0.67	148	25	P 2	VSM	+0.78	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
258			0.48	134	20	P 2	VC3	+0.91	TEHTEC		R5555	seco	89C00040	C	600UL			340817	
259	126	84	0.36	78	17	P 2	VH1	+0.71	TEHTEC		S1848	prim	89C00036	C	600UL			340817	
260	134	84	0.29	101	14	P 2	VH1	-0.89	TEHTEC		S1848	prim	89C00036	C	600UL			340817	
261	144	84	0.45	73	18	P 2	VH3	+0.37	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
262	55	85	0.40	139	17	P 2	VC3	-0.58	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
263	59	85	0.54	26	28	P 3	DBC	-1.67	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
264	61	85	0.35	142	15	P 3	DBC	-1.63	TEHTEC		R1509	reso	89C00039	C	600UL			340902	
265	127	85	0.65	132	23	P 2	VH1	-0.76	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
266	139	85	0.32	158	13	P 2	VH3	+0.90	TEHTEC		L2157	prim	89C00035	C	600UL			332248	
267	56	86	0.88	62	35	P 3	DBH	-1.84	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
268	126	86	0.26	135	13	P 2	VH1	-0.79	TEHTEC		S1848	prim	89C00036	C	600UL			340817	
269			0.29	66	14	P 2	VH1	+1.05	TEHTEC		S1848	prim	89C00036	C	600UL			340817	
270	128	86	0.61	145	22	P 2	VH1	-0.67	TEHTEC		H4495	seco	89C00035	C	600UL			332248	
271	132	86	0.62	54	22	P 2	VH2	-0.78	TEHTEC		H4495	seco	89C00035	C	600UL			332248	
272	67	87	0.21	96	14	P 3	DBC	-2.15	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
273	93	87	0.37	77	15	P 2	07H	+0.84	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
274			0.42	141	17	P 2	08H	+0.76	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
275	115	87	0.36	114	14	P 2	VH2	+1.00	TEHTEC		W7939	seco	89C00038	C	600UL			340817	
276	54	88	0.45	75	19	P 3	DBH	-1.59	TEHTEC		R1509	reso	89C00039	C	600UL			340902	
277			0.44	24	18	P 3	DBC	-1.86	TEHTEC		H4495	seco	89C00039	C	600UL			340902	
278	56	88	0.88	111	35	P 3	DBH	-1.63	TEHTEC		P5436	prim	89C00040	C	600UL			340817	
279	58	88	0.91	71	31	P 3	DBH	-1.37	TEHTEC		H4495	seco	89C00039	C	600UL			340902	
280	118	88	0.31	115	15	P 2	VH2	+0.64	TEHTEC		O1057	prim	89C00037	C	600UL			340902	
281	120	88	0.49	120	19	P 2	VH1	-0.66	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
282			0.39	128	16	P 2	VH1	+0.82	TEHTEC		W7939	seco	89C00038	C	600UL			340817	
283			0.50	74	19	P 2	VH2	-0.73	TEHTEC		W7939	seco	89C00038	C	600UL			340817	
284	124	88	0.43	97	17	P 2	VH2	+0.87	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
285	128	88	0.60	100	22	P 2	VH1	-0.76	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
286	132	88	0.63	77	23	P 2	VH1	+0.98	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
287	140	88	0.53	127	20	P 2	VH1	-0.77	TEHTEC		S1848	prim	89C00038	C	600UL			340817	
288	97	89	0.19	21	12	P 3	DBH	+0.35	TEHTEC		R1509	reso	89C00038	C	600UL			340817	
289	119	89	0.44	74	20	P 2	VH2	-0.78	TEHTEC		O1057	prim	89C00037	C	600UL			340902	
290	123	89	0.31	141	15	P 2	VH1	-0.34	TEHTEC		O1057	prim	89C00037	C	600UL			340902	
291	127	89	0.34	153	16	P 2	VH1	+0.79	TEHTEC		O1057	prim	89C00037	C	600UL			340902	
292	133	89	0.49	126	19	P 2	VH2	-0.74	TEHTEC		W7939	seco	89C00038	C	600UL			340817	
293	135	89	0.43	83	19	P 2	VH3	-0.84	TEHTEC		O1057	prim	89C00037	C	600UL			340902	
294	139	89	0.27	132	14	P 2	09H	+0.68	TEHTEC		O1057	prim	89C00037	C	600UL			340902	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
295	52	90	1.03	26	38	P 3	DBH	+1.72	TEHTEC		P5436	prim	89C00040	C	600UL		340817
296	112	90	0.49	129	21	P 2	VH3	+0.97	TEHTEC		R1509	reso	89C00037	C	600UL		340902
297	114	90	0.26	109	17	P 3	DBH	-1.76	TEHTEC		P5436	prim	89C00038	C	600UL		340817
298	128	90	0.44	129	20	P 2	VH1	-0.90	TEHTEC		O1057	prim	89C00037	C	600UL		340902
299			0.34	101	16	P 2	VC2	+0.99	TEHTEC		O1057	prim	89C00037	C	600UL		340902
300	136	90	0.52	87	22	P 2	VH1	-1.07	TEHTEC		O1057	prim	89C00037	C	600UL		340902
301			0.35	77	17	P 2	VH2	+0.38	TEHTEC		O1057	prim	89C00037	C	600UL		340902
302	140	90	0.43	142	19	P 2	VH1	-0.51	TEHTEC		O1057	prim	89C00037	C	600UL		340902
303	146	90	0.36	35	21	P 3	DBC	+1.19	TEHTEC		P5436	prim	89C00038	C	600UL		340817
304	97	91	0.31	19	20	P 3	DBH	+2.04	TEHTEC		S7752	reso	89C00064	H	600UL		332245
305	137	91	0.42	87	17	P 2	09H	+0.87	TEHTEC		J6276	prim	89C00064	H	600UL		332245
306			0.37	104	15	P 2	VH1	+0.83	TEHTEC		J6276	prim	89C00064	H	600UL		332245
307	54	92	0.53	122	22	P 3	DBH	-1.75	TECTEH		P4578	seco	89H00004	H	600UL		332243
308	56	92	1.27	107	39	P 3	DBH	-2.00	TECTEH		R5555	seco	89H00003	H	600UL		332259
309	120	92	0.37	101	14	P 2	VH1	+0.80	TEHTEC		T6956	prim	89C00063	H	600UL		332254
310	128	92	0.39	118	15	P 2	VH1	-0.72	TEHTEC		W2155	seco	89C00063	H	600UL		332254
311	130	92	0.30	55	13	P 2	VH1	-0.55	TEHTEC		J6276	prim	89C00064	H	600UL		332245
312	140	92	0.40	159	15	P 2	01H	-0.97	TEHTEC		W2155	seco	89C00063	H	600UL		332254
313	53	93	0.33	136	15	P 3	DBH	-2.00	TECTEH		R5555	seco	89H00003	H	600UL		332259
314	79	93	0.54	109	19	P 2	VH3	-0.92	TECTEH		T5565	prim	89H00004	H	600UL		332243
315			0.67	144	23	P 2	VH3	+0.74	TECTEH		T5565	prim	89H00004	H	600UL		332243
316			0.56	141	23	P 2	VC3	-0.95	TECTEH		T5565	prim	89H00004	H	600UL		332243
317			0.66	89	23	P 2	VC3	+0.73	TECTEH		T5565	prim	89H00004	H	600UL		332243
318	133	93	0.12	19	6	P 2	VH1	-1.19	TEHTEC		J6276	prim	89C00064	H	600UL		332245
319	56	94	1.71	100	40	P 3	DBC	-1.57	TECTEH		T5565	prim	89H00004	H	600UL		332243
320	58	94	0.39	144	13	P 3	DBC	-1.75	TECTEH		R5555	seco	89H00003	H	600UL		332259
321	82	94	0.37	141	16	P 2	VH3	-0.11	TECTEH		L7871	prim	89H00003	H	600UL		332259
322	120	94	0.33	79	14	P 2	VH1	-0.58	TEHTEC		J6276	prim	89C00064	H	600UL		332245
323	130	94	0.30	143	12	P 2	VH1	-0.64	TEHTEC		T6956	prim	89C00063	H	600UL		332254
324			0.50	112	18	P 2	VH1	+0.81	TEHTEC		T6956	prim	89C00063	H	600UL		332254
325	144	94	0.45	136	16	P 2	VH1	-0.67	TEHTEC		W2155	seco	89C00063	H	600UL		332254
326	53	95	0.49	129	21	P 3	DBC	+1.75	TECTEH		R5555	seco	89H00003	H	600UL		332259
327	75	95	0.62	51	22	P 2	VC3	-1.14	TECTEH		T5565	prim	89H00004	H	600UL		332243
328	133	95	0.34	141	13	P 2	VH1	+0.86	TEHTEC		W2155	seco	89C00063	H	600UL		332254
329	135	95	0.21	118	10	P 2	VH1	-0.32	TEHTEC		J6276	prim	89C00064	H	600UL		332245
330	139	95	0.21	99	10	P 2	VH1	-0.98	TEHTEC		J6276	prim	89C00064	H	600UL		332245
331	52	96	1.15	74	34	P 3	DBH	-1.61	TECTEH		T5565	prim	89H00004	H	600UL		332243
332	54	96	0.46	117	20	P 3	DBC	+2.00	TECTEH		R5555	seco	89H00003	H	600UL		332259
333	144	96	0.65	128	21	P 2	VH2	-0.80	TEHTEC		W2155	seco	89C00063	H	600UL		332254
334			0.26	110	10	P 2	VH2	+0.92	TEHTEC		W2155	seco	89C00063	H	600UL		332254
335			0.35	51	17	P 3	DBC	+1.56	TEHTEC		W2155	seco	89C00063	H	600UL		332254
336	53	97	0.43	66	19	P 3	DBH	-1.76	TECTEH		R5555	seco	89H00003	H	600UL		332259
337	50	98	0.42	70	18	P 3	DBH	-2.00	TECTEH		P4578	seco	89H00004	H	600UL		332243
338	120	98	0.37	89	15	P 2	VH1	-0.46	TEHTEC		J6276	prim	89C00062	H	600UL		332245
339	126	98	0.50	147	15	P 2	VH1	-1.00	TEHTEC		R1509	reso	89C00061	H	600UL		332254
340			0.38	53	12	P 2	VH2	-1.13	TEHTEC		R1509	reso	89C00051	H	600UL		332254
341	134	98	0.31	70	10	P 2	VH1	+0.92	TEHTEC		T6878	seco	89C00061	H	600UL		332254
342	138	98	0.40	162	9	P 2	VH1	-0.80	TEHTEC		L7773	prim	89C00061	H	600UL		332254
343			0.25	159	8	P 2	VH1	+0.80	TEHTEC		R1509	reso	89C00061	H	600UL		332254

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SCNGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SC89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
344	144	98	0.42	126	13	P 2	VH2	-0.81	TEHTEC		T6878	seco	89C00061	H	600UL		332254
345			0.26	49	9	P 2	VC2	-0.81	TEHTEC		T6878	seco	89C00061	H	600UL		332254
346			0.30	28	10	P 2	VC2	+0.96	TEHTEC		T6878	seco	89C00061	H	600UL		332254
347			0.34	50	33	P 3	DBC	+1.76	TEHTEC		T6878	seco	89C00061	H	600UL		332254
348	146	98	0.72	117	32	P 3	DBC	+1.66	TEHTEC		J6276	prim	89C00062	H	600UL		332245
349	49	99	0.76	130	29	P 3	DBH	-2.02	TECTEH		R5555	seco	89H00003	H	600UL		332259
350	51	99	0.34	117	6	P 3	DBH	-1.37	TECTEH		J1978	prim	89H00004	H	600UL		332243
351	107	99	0.34	77	7	P 2	VSM	-0.66	TEHTEC		L7773	prim	89C00061	H	600UL		332254
352	137	99	0.41	103	16	P 2	VH1	-0.78	TEHTEC		J6276	prim	89C00062	H	600UL		332245
353	139	99	0.31	77	6	P 2	VH2	-1.09	TEHTEC		L7773	prim	89C00061	H	600UL		332254
354	141	99	0.33	80	13	P 2	VH1	+1.03	TEHTEC		J6276	prim	89C00062	H	600UL		332245
355	42	100	0.97	33	31	P 3	DBH	+1.75	TECTEH		P4578	seco	89H00004	H	600UL		332243
356			0.35	80	29	P 3	DBC	+2.00	TECTEH		P4578	seco	89H00004	H	600UL		332243
357	48	100	1.28	39	39	P 3	DBH	+1.75	TECTEH		R5555	seco	89H00003	H	600UL		332259
358	142	100	0.45	49	11	P 2	VH2	-0.78	TEHTEC		L7773	prim	89C00061	H	600UL		332254
359	43	101	0.60	96	24	P 3	DBC	+2.00	TECTEH		R5555	seco	89H00003	H	600UL		332259
360	45	101	0.57	109	23	P 3	DBC	+1.92	TECTEH		W9213	seco	89H00004	H	600UL		332243
361	49	101	0.36	79	7	P 3	DBH	-1.74	TECTEH		J1978	prim	89H00004	H	600UL		332243
362	51	101	0.45	142	20	P 3	DBH	-2.00	TECTEH		R5555	seco	89H00003	H	600UL		332259
363	83	101	0.31	97	12	P 2	VSM	+1.24	TECTEH		G4841	reso	89H00004	H	600UL		332243
364	111	101	0.38	57	9	P 2	VH2	+0.87	TEHTEC		L7773	prim	89C00061	H	600UL		332254
365	127	101	0.46	130	11	P 2	VH1	-0.71	TEHTEC		L7773	prim	89C00061	H	600UL		332254
366	131	101	0.20	39	6	P 2	VH1	-0.78	TEHTEC		T6878	seco	89C00061	H	600UL		332254
367	133	101	0.40	123	16	P 2	VH1	+0.91	TEHTEC		J6276	prim	89C00062	H	600UL		332245
368	36	102	1.10	82	33	P 3	DBH	+1.98	TECTEH		J1978	prim	89H00004	H	600UL		332243
369	38	102	0.65	132	26	P 3	DBH	-2.03	TECTEH		R5555	seco	89H00003	H	600UL		332259
370			0.24	89	11	P 3	DBC	-1.75	TECTEH		R5555	seco	89H00003	H	600UL		332259
371	134	102	0.34	117	7	P 2	VH2	-0.85	TEHTEC		L7773	prim	89C00061	H	600UL		332254
372	37	103	0.61	85	23	P 3	DBH	+1.81	TECTEH		W4786	seco	89H00006	H	600UL		340831
373			0.64	63	24	P 3	DBC	+1.84	TECTEH		W4786	seco	89H00006	H	600UL		340831
374	43	103	0.58	102	25	P 3	DBC	+1.80	TECTEH		H8551	reso	89H00005	H	600UL		332259
375	47	103	0.45	115	21	P 3	DBC	+1.71	TECTEH		H8551	reso	89H00005	H	600UL		332259
376	83	103	0.77	114	24	P 2	09H	+1.31	TECTEH	LOCOK	J1858	reso	89H00006	H	600UL		340831
377	87	103	0.54	121	22	P 2	08H	+0.69	TECTEH		R6452	prim	89H00005	H	600UL		332259
378			0.47	147	20	P 2	09H	+0.88	TECTEH		R6452	prim	89H00005	H	600UL		332259
379	133	103	0.37	103	15	P 2	VH1	-0.81	TEHTEC		J6276	prim	89C00062	H	600UL		332245
380	139	103	0.45	44	17	P 2	VH2	-0.74	TEHTEC		J6276	prim	89C00062	H	600UL		332245
381	34	104	0.82	84	28	P 3	DBC	+2.18	TECTEH		W4786	seco	89H00006	H	600UL		340831
382	46	104	0.52	107	19	P 2	VSM	-0.86	TECTEH		W4786	seco	89H00006	H	600UL		340831
383	88	104	0.33	80	13	P 2	08H	-0.30	TECTEH		M7262	reso	89H00005	H	600UL		332259
384	110	104	0.37	53	15	P 2	VH2	-0.80	TEHTEC		G4841	reso	89C00062	H	600UL		332245
385	114	104	0.48	50	13	P 2	VH2	-0.77	TEHTEC		D4825	seco	89C00062	H	600UL		332245
386	132	104	0.37	50	24	P 2	VH1	-0.79	TEHTEC		L7871	prim	89C00069	H	600UL		332254
387	138	104	0.36	81	12	P 2	VH1	-0.80	TEHTEC		T6878	seco	89C00061	H	600UL		332254
388			0.35	134	3	P 2	VH2	-0.78	TEHTEC		L7773	prim	89C00061	H	600UL		332254
389	37	105	0.52	139	21	P 2	VSM	-0.73	TECTEH		R6452	prim	89H00005	H	600UL		332259
390			1.00	146	32	P 2	VSM	+0.57	TECTEH		R6452	prim	89H00005	H	600UL		332259
391	129	105	0.40	113	16	P 2	VH1	+0.94	TEHTEC		B4052	prim	89C00059	H	600UL		332254
392	102	106	0.40	110	16	P 2	VH2	-0.67	TEHTEC		P5006	reso	89C00059	H	600UL		332254

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-1004 TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PRCBE	SIZE	PRCBE S/N
393	122	106	0.49	129	13	P 2	VH2	-0.74			B4052	prim	89C00059	H	600UL		332254	
394	134	106	0.41	153	15	P 2	VH1	-0.79			B4052	prim	89C00059	H	600UL		332254	
395	31	107	0.43	79	23	P 3	DBH	-1.64			D4825	seco	89H00010	H	600UL		340831	
396	37	107	0.49	121	18	P 2	VSM	-0.89			R6452	prim	89H00009	H	600UL		331968	
397			0.32	109	13	P 2	VSM	-0.23			R6452	prim	89H00009	H	600UL		331968	
398			0.75	138	24	P 2	VSM	+0.66			R6452	prim	89H00009	H	600UL		331968	
399	41	107	0.32	22	13	P 2	VSM	-0.92			H4495	seco	89H00009	H	600UL		331968	
400			0.27	105	11	P 2	VSM	+0.91			H4495	seco	89H00009	H	600UL		331968	
401	43	107	0.29	93	12	P 2	VSM	+0.61			L7871	prim	89H00010	H	600UL		340831	
402	101	107	0.31	92	13	P 2	VH2	-0.69			C1115	seco	89C00059	H	600UL		332254	
403	133	107	0.25	134	11	P 2	09H	+0.86			B4052	prim	89C00059	H	600UL		332254	
404	32	108	0.30	81	12	P 3	DBH	-0.62			H8551	reso	89H00009	H	600UL		331968	
405	40	108	1.20	124	32	P 2	VSM	-1.10			H4495	seco	89H00009	H	600UL		331968	
406	42	108	0.76	53	30	P 3	DBC	-1.49			L7871	prim	89H00010	H	600UL		340831	
407	96	108	0.36	128	9	P 2	VH2	+0.94			D2421	seco	89C00060	H	600UL		340817	
408	110	108	0.37	92	15	P 2	VH2	-0.91			C1115	seco	89C00059	H	600UL		332254	
409	126	108	0.62	99	22	P 2	10H	+0.19			B4052	prim	89C00059	H	600UL		332254	
410	132	108	0.48	87	11	P 2	VH1	-0.80			H2131	prim	89C00060	H	600UL		340817	
411	107	109	0.42	43	10	P 2	VH2	-0.78			H2131	prim	89C00060	H	600UL		340817	
412	40	110	0.58	142	20	P 2	VSM	-0.87			D4825	seco	89H00010	H	600UL		340831	
413	74	110	0.52	59	18	P 2	03H	-0.32			M7262	reso	89H00012	H	600UL		340831	
414	108	110	0.47	92	11	P 2	VH2	-0.73			H2131	prim	89C00060	H	600UL		340817	
415	116	110	0.32	32	7	P 2	VH2	-0.79			H2131	prim	89C00060	H	600UL		340817	
416			0.37	121	8	P 2	VH2	+0.89			H2131	prim	89C00060	H	600UL		340817	
417	120	110	0.39	121	9	P 2	VH2	-0.82			H2131	prim	89C00060	H	600UL		340817	
418	124	110	0.30	122	7	P 2	VH1	+0.82			H2131	prim	89C00060	H	600UL		340817	
419			0.30	106	7	P 2	VH2	+0.88			H2131	prim	89C00060	H	600UL		340817	
420	128	110	0.41	104	9	P 2	10H	+0.89			H2131	prim	89C00060	H	600UL		340817	
421			0.55	100	13	P 2	VH1	-0.75			H2131	prim	89C00060	H	600UL		340817	
422			0.51	123	12	P 2	VH2	-0.77			H2131	prim	89C00060	H	600UL		340817	
423	130	110	0.45	94	18	P 2	10H	+0.95			B4052	prim	89C00059	H	600UL		332254	
424	132	110	0.40	96	9	P 2	08H	+0.94			H2131	prim	89C00060	H	600UL		340817	
425			0.54	108	12	P 2	VH1	-0.83			H2131	prim	89C00060	H	600UL		340817	
426			0.48	106	11	P 2	VH2	-0.81			H2131	prim	89C00060	H	600UL		340817	
427	47	111	0.61	122	24	P 2	VSM	+0.74			R6452	prim	89H00005	H	600UL		332259	
428	107	111	0.46	68	11	P 2	VH2	-0.82			H2131	prim	89C00060	H	600UL		340817	
429	127	111	0.43	108	10	P 2	09H	-0.15			H2131	prim	89C00060	H	600UL		340817	
430			0.37	93	8	P 2	10H	+0.37			H2131	prim	89C00060	H	600UL		340817	
431	129	111	0.41	137	16	P 2	09H	-0.81			B4052	prim	89C00059	H	600UL		332254	
432	131	111	0.46	145	11	P 2	VH2	-0.79			H2131	prim	89C00060	H	600UL		340817	
433	44	112	0.47	133	18	P 2	VSM	-0.93			H4495	seco	89H00007	H	600UL		332259	
434	106	112	0.32	103	7	P 2	VH2	+1.00			H2131	prim	89C00060	H	600UL		340817	
435	108	112	0.62	134	22	P 2	VH2	-0.79			B4052	prim	89C00059	H	600UL		332254	
436	122	112	0.54	110	12	P 2	10H	+0.79			H2131	prim	89C00060	H	600UL		340817	
437	126	112	0.26	48	6	P 2	08H	-0.57			H2131	prim	89C00060	H	600UL		340817	
438			0.33	118	8	P 2	09H	-0.28			H2131	prim	89C00060	H	600UL		340817	
439			0.85	116	22	P 2	10H	+0.77			R1509	reso	89C00060	H	600UL		340817	
440	140	112	0.25	65	13	P 2	04H	+0.87			M7262	reso	89C00057	H	600UL		332254	
441			0.43	81	15	P 3	DBC	-1.22			R1509	reso	89C00057	H	600UL		332254	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
442	35	113	0.51	91	14	P 2	VSM	-0.89	TECTEH		J1978	prim	89H00008	H	600UL		340831
443	111	113	0.35	79	14	P 2	VH2	-0.97	TEHTEC		L7871	prim	89C00058	H	600UL		340817
444			0.27	55	12	P 2	VH2	+0.77	TEHTEC		L7871	prim	89C00058	H	600UL		340817
445	121	113	0.23	26	12	P 2	VH1	-0.74	TEHTEC		B1055	prim	89C00057	H	600UL		332254
446	123	113	0.32	84	13	P 2	VH1	+0.82	TEHTEC		L7871	prim	89C00058	H	600UL		340817
447			0.25	24	11	P 2	VH2	-0.68	TEHTEC		L7871	prim	89C00058	H	600UL		340817
448	127	113	0.35	87	14	P 2	08H	+0.92	TEHTEC		L7871	prim	89C00058	H	600UL		340817
449			0.23	119	10	P 2	09H	-0.74	TEHTEC		L7871	prim	89C00058	H	600UL		340817
450	44	114	0.39	87	14	P 2	VSM	-0.83	TECTEH		C1115	seco	89H00008	H	600UL		340831
451			0.49	139	17	P 2	VSM	+0.83	TECTEH		C1115	seco	89H00008	H	600UL		340831
452	50	114	0.87	135	25	P 2	VSM	-0.78	TECTEH		L7871	prim	89H00007	H	600UL		332259
453			0.79	112	24	P 2	VSM	+0.84	TECTEH		L7871	prim	89H00007	H	600UL		332259
454	102	114	0.31	76	13	P 2	VH2	-0.63	TEHTEC		L7871	prim	89C00058	H	600UL		340817
455	104	114	0.36	52	18	P 2	VH2	-0.85	TEHTEC		B1055	prim	89C00057	H	600UL		332254
456	108	114	0.36	56	18	P 2	VH2	-0.74	TEHTEC		H3071	seco	89C00057	H	600UL		332254
457	114	114	0.49	109	18	P 2	VH2	-0.84	TEHTEC		L7871	prim	89C00058	H	600UL		340817
458			0.27	150	12	P 2	VH2	+0.93	TEHTEC		L7871	prim	89C00058	H	600UL		340817
459	124	114	0.20	74	10	P 2	05H	+0.86	TEHTEC		R6452	prim	89C00057	H	600UL		332254
460	126	114	0.21	43	9	P 2	08H	+0.98	TEHTEC		L7871	prim	89C00058	H	600UL		340817
461	136	114	0.31	157	15	P 2	VH2	-1.08	TEHTEC		R6452	prim	89C00057	H	600UL		332254
462			0.36	138	18	P 2	VC2	-0.80	TEHTEC		R6452	prim	89C00057	H	600UL		332254
463			0.22	29	7	P 3	DBC	+0.76	TEHTEC		R6452	prim	89C00057	H	600UL		332254
464	25	115	0.56	101	20	P 2	VSM	+0.71	TECTEH		L7871	prim	89H00010	H	600UL		340831
465	83	115	0.65	129	22	P 2	09H	+1.64	TECTEH	LOCOK	G4841	reso	89H00008	H	600UL		340831
466			0.53	123	19	P 2	VSM	+1.22	TECTEH		C1115	seco	89H00008	H	600UL		340831
467	123	115	0.19	86	8	P 2	09H	+0.56	TEHTEC		L7871	prim	89C00058	H	600UL		340817
468	127	115	0.34	121	14	P 2	08H	+0.97	TEHTEC		L7871	prim	89C00058	H	600UL		340817
469	137	115	0.35	66	17	P 2	VH2	-0.80	TEHTEC		R6452	prim	89C00057	H	600UL		332254
470	82	116	0.25	70	11	P 3	DBH	+0.00	TECTEH		L7871	prim	89H00012	H	600UL		340831
471			0.44	71	18	P 3	DBH	+1.04	TECTEH		L7871	prim	89H00012	H	600UL		340831
472	104	116	0.40	32	16	P 2	VH2	-0.80	TEHTEC		L7871	prim	89C00058	H	600UL		340817
473	108	116	0.32	120	13	P 2	VH3	+0.93	TEHTEC		L7871	prim	89C00058	H	600UL		340817
474	116	116	0.53	120	19	P 2	05H	+0.31	TEHTEC		K7060	reso	89C00058	H	600UL		340817
475	122	116	0.32	133	13	P 2	10H	-1.00	TEHTEC		L7871	prim	89C00058	H	600UL		340817
476	124	116	0.36	93	17	P 2	08H	+0.85	TEHTEC		R6452	prim	89C00057	H	600UL		332254
477			0.25	80	13	P 2	09H	+0.28	TEHTEC		R6452	prim	89C00057	H	600UL		332254
478			0.19	108	9	P 2	10H	-0.90	TEHTEC		R6452	prim	89C00057	H	600UL		332254
479			0.39	117	19	P 2	VH1	-0.77	TEHTEC		R6452	prim	89C00057	H	600UL		332254
480	128	116	0.25	42	13	P 2	VH1	+0.86	TEHTEC		R6452	prim	89C00057	H	600UL		332254
481	132	116	0.33	155	11	P 3	DBC	+1.97	TEHTEC		R6452	prim	89C00057	H	600UL		332254
482	43	117	0.43	81	14	P 2	VSM	-0.84	TECTEH		M9460	prim	89H00013	H	600UL		340825
483			0.69	123	20	P 2	VSM	+0.74	TECTEH		M9460	prim	89H00013	H	600UL		340825
484	123	117	0.51	120	19	P 2	09H	-0.46	TEHTEC		L7871	prim	89C00058	H	600UL		340817
485	125	117	0.41	128	20	P 2	08H	+0.94	TEHTEC		H3071	seco	89C00057	H	600UL		332254
486	133	117	0.33	137	16	P 2	VC2	+0.76	TEHTEC		K7060	reso	89C00057	H	600UL		332254
487	135	117	0.20	24	10	P 2	08H	+0.35	TEHTEC		R6452	prim	89C00057	H	600UL		332254
488			0.51	154	16	P 3	DBC	-0.72	TEHTEC		R6452	prim	89C00057	H	600UL		332254
489	32	118	0.37	132	14	P 2	VSM	-0.78	TECTEH		W4892	prim	89H00012	H	600UL		340831
490	46	118	0.18	145	7	P 2	VSM	-1.03	TECTEH		M9460	prim	89H00013	H	600UL		340825

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
491	74	118	0.29	131	10	P 2	VSM	-0.88	TECTEH		M9460	prim	89H00013	H	600UL	340825	
492	108	118	0.40	130	16	P 2	VH2	-0.69	TEHTEC		L7871	prim	89C00058	H	600UL	340817	
493	41	119	0.91	107	25	P 2	VSM	-0.97	TECTEH		M9460	prim	89H00013	H	600UL	340825	
494			0.50	95	16	P 2	VSM	-0.11	TECTEH		H4495	seco	89H00013	H	600UL	340825	
495	45	119	0.38	108	13	P 2	VSM	-0.85	TECTEH		H4495	seco	89H00013	H	600UL	340825	
496	121	119	0.67	110	27	P 2	08H	+0.36	TEHTEC		R6452	prim	89C00057	H	600UL	332254	
497			0.47	98	21	P 2	08H	+0.86	TEHTEC		R6452	prim	89C00057	H	600UL	332254	
498			0.29	69	15	P 2	09H	-0.77	TEHTEC		R6452	prim	89C00057	H	600UL	332254	
499			0.49	133	22	P 2	10H	+0.12	TEHTEC		R6452	prim	89C00057	H	600UL	332254	
500			0.26	94	13	P 2	VH2	-0.68	TEHTEC		R6452	prim	89C00057	H	600UL	332254	
501	123	119	0.16	71	7	P 2	09H	-0.10	TEHTEC		L7871	prim	89C00058	H	600UL	340817	
502			0.51	113	19	P 2	09H	+0.55	TEHTEC		L7871	prim	89C00058	H	600UL	340817	
503	40	120	0.61	48	19	P 2	01H	+0.68	TECTEH		H4495	seco	89H00013	H	600UL	340825	
504	48	120	0.33	62	11	P 2	VSM	-0.75	TECTEH		H4495	seco	89H00013	H	600UL	340825	
505			0.31	99	10	P 2	VSM	+0.65	TECTEH		H4495	seco	89H00013	H	600UL	340825	
506	122	120	0.38	134	15	P 2	08H	-0.69	TEHTEC		L7871	prim	89C00058	H	600UL	340817	
507	121	121	0.37	102	15	P 2	09H	+0.47	TECTEH		W4892	prim	89H00020	H	600UL	340825	
508			0.40	105	16	P 2	10H	-0.26	TECTEH		W4892	prim	89H00020	H	600UL	340825	
509	30	122	0.32	104	13	P 2	05H	+0.43	TECTEH	LAR	M7262	reso	89H00015	H	600UL	340831	
510	88	122	0.42	84	16	P 2	VH3	+0.83	TECTEH		S7752	reso	89H00014	H	600UL	340825	
511	122	122	0.55	137	20	P 2	10C	+0.88	TECTEH		L7871	prim	89H00020	H	600UL	340825	
512	41	123	0.56	100	20	P 2	VSM	+0.91	TECTEH		W4892	prim	89H00014	H	600UL	340825	
513	49	123	0.63	144	22	P 2	08H	+1.65	TECTEH	LOCOK	D3858	reso	89H00014	H	600UL	340825	
514	57	123	0.51	52	19	P 2	VH3	-1.03	TECTEH		W4892	prim	89H00014	H	600UL	340825	
515	109	123	0.37	120	15	P 2	VC2	+0.80	TECTEH		L7871	prim	89H00020	H	600UL	340825	
516	117	123	0.60	23	22	P 2	08H	+0.32	TECTEH		T3673	seco	89H00020	H	600UL	340825	
517	119	123	0.61	71	23	P 2	09H	+0.61	TECTEH		R6452	prim	89H00021	H	600UL	340831	
518	52	124	0.41	116	16	P 2	07H	+0.29	TECTEH		W4892	prim	89H00014	H	600UL	340825	
519			0.64	94	22	P 2	08H	+0.84	TECTEH		W4892	prim	89H00014	H	600UL	340825	
520	70	124	0.75	154	25	P 2	VH3	-0.95	TECTEH		R5555	seco	89H00015	H	600UL	340831	
521			0.93	137	29	P 2	VH3	+0.82	TECTEH		R5555	seco	89H00015	H	600UL	340831	
522			0.78	97	26	P 2	VC3	-0.15	TECTEH		R5555	seco	89H00015	H	600UL	340831	
523			0.54	103	20	P 2	VC3	+0.69	TECTEH		R5555	seco	89H00015	H	600UL	340831	
524	110	124	0.74	105	26	P 2	VC2	-1.01	TECTEH		R6452	prim	89H00021	H	600UL	340831	
525			0.48	127	19	P 2	VC2	+0.81	TECTEH		R6452	prim	89H00021	H	600UL	340831	
526	112	124	0.62	90	22	P 2	VH2	-1.11	TECTEH		L7871	prim	89H00020	H	600UL	340825	
527	118	124	0.46	155	19	P 2	VH1	-0.75	TECTEH		R6452	prim	89H00021	H	600UL	340831	
528	47	125	0.44	120	17	P 2	VSM	-0.64	TECTEH		T3673	seco	89H00014	H	600UL	340825	
529			0.60	124	21	P 2	VSM	+0.90	TECTEH		T3673	seco	89H00014	H	600UL	340825	
530	79	125	0.43	32	17	P 2	VH3	-0.86	TECTEH		R5555	seco	89H00015	H	600UL	340831	
531			0.33	162	14	P 2	VH3	+0.78	TECTEH		R5555	seco	89H00015	H	600UL	340831	
532			0.72	143	24	P 2	VSM	+0.75	TECTEH		R5555	seco	89H00015	H	600UL	340831	
533	119	125	0.40	149	17	P 2	09H	-0.84	TECTEH		R6452	prim	89H00021	H	600UL	340831	
534			0.22	65	10	P 2	09H	+0.10	TECTEH		R6452	prim	89H00021	H	600UL	340831	
535	116	126	0.32	119	13	P 2	08H	+0.71	TECTEH		L7871	prim	89H00020	H	600UL	340825	
536	120	126	0.24	130	11	P 2	10H	+1.32	TECTEH	LOCOK	G4841	reso	89H00021	H	600UL	340831	
537	124	126	0.36	159	16	P 2	VH1	-0.89	TECTEH		R6452	prim	89H00021	H	600UL	340831	
538			0.37	110	16	P 2	VH2	-0.95	TECTEH		R6452	prim	89H00021	H	600UL	340831	
539	105	127	0.37	106	16	P 2	VH2	-0.90	TECTEH		R6452	prim	89H00021	H	600UL	340831	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI, MCI, MMI, MVI, SAI, SVI, SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE S/N
540	115 127	0.27	80	11	P 2	09H	+0.50	TECTEH			L7871 prim 89H00020	H	600UL				340825	
541	44 128	0.26	108	11	P 2	VSM	-0.94	TECTEH			W4892 prim 89H00014	H	600UL				340825	
542		0.39	125	16	P 2	VSM	+0.73	TECTEH			W4892 prim 89H00014	H	600UL				340825	
543	48 128	0.35	36	12	P 3	DBH	-2.00	TECTEH			W5710 reso 89H00014	H	600UL				340825	
544		0.42	52	15	P 3	DBH	+2.00	TECTEH			W5710 reso 89H00014	H	600UL				340825	
545	100 128	0.33	124	15	P 2	VH3	+0.65	TECTEH			R6452 prim 89H00021	H	600UL				340831	
546	116 128	0.27	89	11	P 2	08H	+0.75	TECTEH			L7871 prim 89H00020	H	600UL				340825	
547		0.27	158	11	P 2	09H	-1.13	TECTEH			L7871 prim 89H00020	H	600UL				340825	
548		0.45	74	17	P 2	09H	+0.55	TECTEH			L7871 prim 89H00020	H	600UL				340825	
549	49 129	0.35	62	15	P 2	08H	-1.55	TECTEH	LOCOK		D3858 reso 89H00016	H	600UL				340825	
550	51 129	0.41	96	16	P 2	08H	+0.79	TECTEH			P4578 seco 89H00017	H	600UL				340831	
551	57 129	0.28	121	17	P 3	DBH	-0.51	TECTEH			W5710 reso 89H00016	H	600UL				340825	
552	79 129	0.88	126	28	P 2	VH3	+0.76	TECTEH			P4578 seco 89H00017	H	600UL				340831	
553		0.35	141	14	P 2	VSM	-0.94	TECTEH			P4578 seco 89H00017	H	600UL				340831	
554		0.49	146	18	P 2	VSM	+0.77	TECTEH			P4578 seco 89H00017	H	600UL				340831	
555	113 129	0.42	35	16	P 2	09H	+0.32	TECTEH			L7871 prim 89H00020	H	600UL				340825	
556		0.39	84	15	P 2	VH2	+0.83	TECTEH			L7871 prim 89H00020	H	600UL				340825	
557	115 129	0.30	106	13	P 2	09H	-0.87	TECTEH			R6452 prim 89H00021	H	600UL				340831	
558	117 129	0.29	106	13	P 2	08H	+0.85	TECTEH			R6452 prim 89H00021	H	600UL				340831	
559		0.23	134	11	P 2	VH1	+0.57	TECTEH			R6452 prim 89H00021	H	600UL				340831	
560	100 130	0.45	144	18	P 2	VH2	-0.93	TECTEH			R6452 prim 89H00021	H	600UL				340831	
561	114 130	0.31	136	13	P 2	09H	-0.94	TECTEH			L7871 prim 89H00020	H	600UL				340825	
562		0.25	111	10	P 2	09H	+0.30	TECTEH			L7871 prim 89H00020	H	600UL				340825	
563	41 131	0.76	136	25	P 2	VSM	-0.76	TECTEH			T5565 prim 89H00017	H	600UL				340831	
564		0.58	134	21	P 2	VSM	+0.72	TECTEH			T5565 prim 89H00017	H	600UL				340831	
565	43 131	0.32	47	14	P 2	VSM	+0.70	TECTEH			T3673 seco 89H00016	H	600UL				340825	
566	45 131	0.62	108	22	P 2	VSM	+0.67	TECTEH			T5565 prim 89H00017	H	600UL				340831	
567	103 131	0.39	156	12	P 2	VH2	-0.74	TECTEH			L7871 prim 89H00022	H	600UL				340825	
568	119 131	0.34	123	11	P 2	VH1	+0.67	TECTEH			L7871 prim 89H00022	H	600UL				340825	
569	106 132	0.38	163	12	P 2	VH2	-1.03	TECTEH			L7871 prim 89H00022	H	600UL				340825	
570	110 132	0.39	144	12	P 2	VH2	-0.99	TECTEH			L7871 prim 89H00022	H	600UL				340825	
571	112 132	0.57	120	19	P 2	07H	+0.85	TECTEH			H2131 prim 89H00023	H	600UL				340831	
572		0.46	141	15	P 2	08H	+0.71	TECTEH			H2131 prim 89H00023	H	600UL				340831	
573	114 132	0.76	129	21	P 2	07H	+0.68	TECTEH			L7871 prim 89H00022	H	600UL				340825	
574	47 133	0.43	108	13	P 2	VSM	+0.66	TECTEH			C3340 reso 89H00016	H	600UL				340825	
575	71 133	0.32	32	14	P 2	VH3	+0.84	TECTEH			W4892 prim 89H00016	H	600UL				340825	
576		0.39	145	17	P 2	VC3	-0.79	TECTEH			W4892 prim 89H00016	H	600UL				340825	
577	87 133	0.56	163	20	P 2	VH3	+0.70	TECTEH			T5565 prim 89H00017	H	600UL				340831	
578	111 133	0.33	143	11	P 2	08H	+0.81	TECTEH			H2131 prim 89H00023	H	600UL				340831	
579	44 134	0.12	81	5	P 2	VSM	-0.78	TECTEH			W4892 prim 89H00016	H	600UL				340825	
580	45 135	0.64	107	23	P 2	VSM	-0.96	TECTEH			T3673 seco 89H00016	H	600UL				340825	
581		0.20	134	9	P 2	VSM	+0.75	TECTEH			T3673 seco 89H00016	H	600UL				340825	
582	56 136	0.41	134	15	P 2	VSM	-0.92	TECTEH			W4786 seco 89H00027	H	600UL				332257	
583	29 137	0.46	158	20	P 3	DBH	+1.78	TECTEH			L7871 prim 89H00026	H	600UL				340825	
584	109 137	0.56	107	16	P 2	08H	-0.95	TECTEH			L7871 prim 89H00022	H	600UL				340825	
585		0.34	127	11	P 2	08H	+0.81	TECTEH			L7871 prim 89H00022	H	600UL				340925	
586	111 137	0.35	129	13	P 2	VH2	+0.91	TECTEH			T6878 seco 89H00023	H	600UL				340831	
587	46 138	0.35	134	12	P 2	04C	-0.15	TECTEH			L7871 prim 89H00026	H	600UL				340825	
588	54 138	0.48	135	17	P 2	04C	+1.05	TECTEH			H4495 seco 89H00026	H	600UL				340825	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE SIZE	PROBE S/N
589	108	138	0.27	106	8	P 2	08H	-1.04	TECTEH		L7871	prim	89H00022	H	600UL	340825	
590	110	138	0.24	43	8	P 2	08H	+0.00	TECTEH		H2131	prim	89H00023	H	600UL	340831	
591	107	139	0.35	101	12	P 2	09H	+0.51	TECTEH		H2131	prim	89H00023	H	600UL	340831	
592	119	139	0.50	124	17	P 2	10C	-1.25	TECTEH	LOCOK	G4841	reso	89H00022	H	600UL	340825	
593	86	140	0.39	68	17	P 2	09H	+0.96	TECTEH		W4786	seco	89H00028	H	600UL	340825	
594	114	140	0.85	110	22	P 2	VH2	-0.99	TECTEH		L7871	prim	89H00022	H	600UL	340825	
595	111	141	0.30	77	12	P 3	DBH	-2.06	TECTEH		M0554	reso	89H00023	H	600UL	340831	
596	70	142	0.33	123	15	P 2	VSM	+0.77	TECTEH		B1055	prim	89H00031	H	600UL	340820	
597	106	142	0.92	112	24	P 2	VH2	-0.94	TECTEH		L7871	prim	89H00022	H	600UL	340825	
598	112	142	0.32	119	10	P 2	VC2	-1.04	TECTEH		L7871	prim	89H00022	H	600UL	340825	
599	75	143	0.34	149	16	P 2	VC3	+0.68	TECTEH		B1055	prim	89H00031	H	600UL	340820	
600	111	143	0.34	118	11	P 2	VC3	+0.80	TECTEH		L7871	prim	89H00022	H	600UL	340825	
601	58	144	0.94	144	22	P 3	DBH	+2.00	TECTEH		S7752	reso	89H00030	H	600UL	340825	
602	84	144	0.32	98	15	P 2	VH2	+0.53	TECTEH		B1055	prim	89H00031	H	600UL	340820	
603	98	144	0.30	69	9	P 2	09H	-0.94	TECTEH		L7871	prim	89H00022	H	600UL	340825	
604	112	144	0.28	117	11	P 2	VH2	-0.93	TECTEH		T3673	seco	89H00022	H	600UL	340825	
605	37	145	0.67	156	26	P 2	VSM	+0.70	TECTEH		W4892	prim	89H00030	H	600UL	340825	
606	43	145	0.47	133	20	P 2	VSM	-0.91	TECTEH		B1055	prim	89H00031	H	600UL	340820	
607			0.70	84	26	P 2	VSM	+0.92	TECTEH		B1055	prim	89H00031	H	600UL	340820	
608	67	145	0.54	127	22	P 2	VC3	+1.14	TECTEH		B1055	prim	89H00031	H	600UL	340820	
609	77	145	0.44	131	20	P 2	VC3	+1.02	TECTEH		W4892	prim	89H00030	H	600UL	340825	
610	36	146	0.30	120	12	P 2	VSM	+0.90	TECTEH		M9460	prim	89H00032	H	600UL	340883	
611	40	146	0.38	46	15	P 2	VSM	+0.67	TECTEH		M9460	prim	89H00032	H	600UL	340883	
612	46	146	0.47	121	18	P 2	VSM	-0.58	TECTEH		M9460	prim	89H00032	H	600UL	340883	
613			0.57	117	20	P 2	VSM	+0.75	TECTEH		M9460	prim	89H00032	H	600UL	340883	
614	76	146	0.42	111	15	P 2	VH3	-0.94	TECTEH		W4892	prim	89H00033	H	600UL	340820	
615			0.53	43	18	P 2	VH3	+0.79	TECTEH		W4892	prim	89H00033	H	600UL	340820	
616	39	147	0.28	158	11	P 2	VSM	+0.72	TECTEH		M9460	prim	89H00032	H	600UL	340883	
617	47	147	0.77	113	25	P 2	VSM	-0.81	TECTEH		S7752	reso	89H00032	H	600UL	340883	
618			0.60	108	21	P 2	VSM	+0.68	TECTEH		S7752	reso	89H00032	H	600UL	340883	
619	75	147	0.62	104	21	P 2	VC3	+0.72	TECTEH		W2545	seco	89H00032	H	600UL	340883	
620	107	147	0.28	110	11	P 2	VSM	-0.94	TECTEH		W7939	seco	89H00024	H	600UL	340825	
621	34	148	0.32	93	13	P 2	VSM	-0.84	TECTEH		W2545	seco	89H00032	H	600UL	340883	
622	42	148	0.44	158	17	P 2	VSM	+0.38	TECTEH		M9460	prim	89H00032	H	600UL	340883	
623	58	148	0.40	105	15	P 2	VSM	+0.87	TECTEH		W2545	seco	89H00032	H	600UL	340883	
624			0.37	137	14	P 2	VC3	-0.87	TECTEH		N0942	reso	89H00032	H	600UL	340883	
625	103	149	0.52	130	17	P 2	08H	-0.12	TECTEH		W7939	seco	89H00024	H	600UL	340825	
626	99	151	0.29	113	11	P 2	08H	-1.20	TECTEH		W7939	seco	89H00024	H	600UL	340825	
627	76	152	0.27	91	11	P 2	VC3	-0.75	TECTEH		O1057	prim	89H00035	H	600UL	340820	
628	81	153	0.26	146	10	P 2	VH3	-0.79	TECTEH		B1055	prim	89H00034	H	600UL	340883	
629			0.41	94	15	P 2	VH3	+0.65	TECTEH		B1055	prim	89H00034	H	600UL	340883	
630	61	155	0.32	135	11	P 2	VH3	-0.74	TECTEH		B1055	prim	89H00036	H	600UL	340883	
631	77	155	0.51	113	16	P 2	VH3	-0.91	TECTEH		B1055	prim	89H00036	H	600UL	340883	
632			0.83	133	23	P 2	VH3	+0.55	TECTEH		B1055	prim	89H00036	H	600UL	340883	
633	40	156	0.88	125	23	P 2	VSM	+0.92	TECTEH		W4892	prim	89H00037	H	600UL	340820	
634	36	156	0.70	135	21	P 2	VH2	-1.05	TECTEH		B1055	prim	89H00036	H	600UL	340883	
635	37	157	0.32	121	11	P 2	VSM	+0.83	TECTEH		B1055	prim	89H00036	H	600UL	340883	
636	41	157	0.52	141	17	P 2	VSM	+0.73	TECTEH		B1055	prim	89H00036	H	600UL	340883	
637	57	157	0.30	93	10	P 2	VSM	-0.92	TECTEH		B1055	prim	89H00036	H	600UL	340883	

Inservice Inspection of Steam Generator Tubes
Appendix 4

SG89 MAI,MCI,MMI,MVI,SAI,SVI,SCI 0-100% TWD

UTILITY: Southern California Edison
PLANT: SONGS
UNIT: 3
SG: 89
DATABASE: SONGS_U3_0101_SG89

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ROW	COL	VOLTS	DEG	PCT	CHN	FLAW	LOCATION	EXTENT	UTIL1	UTIL2	NAME	TYPE	CAL	GROUP	LEG	PROBE	SIZE	PROBE	S/N
638	46	158	0.28	129	10	P 2	02H	-0.90			H5651	seco	89H00036	H	600UL			340883	
639	54	158	0.35	117	12	P 2	VSM	+0.74			B1055	prim	89H00036	H	600UL			340883	
640	72	158	0.31	78	10	P 2	VH3	-1.02			W4892	prim	89H00037	H	600UL			340820	
641	78	158	0.38	107	13	P 2	VH3	-0.35			B1055	prim	89H00036	H	600UL			340883	
642	37	159	0.37	93	12	P 2	VSM	+0.83			W4892	prim	89H00037	H	600UL			340820	
643	43	159	0.56	38	18	P 2	02H	-0.91			C3340	reso	89H00036	H	600UL			340883	
644	67	159	0.30	133	11	P 2	VH3	-0.30			B1055	prim	89H00036	H	600UL			340883	
645	78	160	0.55	111	20	P 2	VH3	-1.05			L7871	prim	89H00051	H	600UL			340883	
646	8	162	0.29	83	13	P 2	07C	+1.01			G4841	reso	89H00039	H	600UL			340820	
647	38	162	0.29	75	12	P 2	VSM	-0.99			L7871	prim	89H00051	H	600UL			340883	
648			0.33	126	13	P 2	VSM	+0.03			H3071	seco	89H00051	H	600UL			340883	
649			0.17	76	7	P 2	VSM	+0.54			L7871	prim	89H00051	H	600UL			340883	
650	48	162	0.32	75	14	P 2	VSM	+0.81			W4892	prim	89H00039	H	600UL			340820	
651	76	162	0.29	50	11	P 2	08H	+0.58			L7871	prim	89H00051	H	600UL			340883	
652	66	164	0.38	67	15	P 2	VH3	-0.86			H5651	seco	89H00040	H	600UL			340883	
653	68	164	0.42	131	16	P 2	VH3	-0.77			W4892	prim	89H00041	H	600UL			340820	
654			0.27	123	11	P 2	01C	-0.12			W4892	prim	89H00041	H	600UL			340820	
655			0.46	139	17	P 2	01C	+0.98			W4892	prim	89H00041	H	600UL			340820	
656	67	165	0.69	37	23	P 2	01C	-0.07			S1348	prim	89H00040	H	600UL			340883	
657	42	166	0.34	49	13	P 2	02H	-0.97			H5651	seco	89H00040	H	600UL			340883	
658	62	166	0.31	83	12	P 2	02H	-0.27			S1848	prim	89H00040	H	600UL			340883	
659	45	167	0.15	164	6	P 2	VSM	+0.84			H5651	seco	89H00040	H	600UL			340883	
660	40	168	0.63	47	22	P 2	VSM	+0.87			W4892	prim	89H00041	H	600UL			340820	
661	1	169	0.18	88	SVI	2	TSH	+0.35	TO+0.60	TSHTSH	0.47	0.47	S3018	reso	89H00098	H	600PPZ		340968
662	45	169	0.37	126	14	P 2	01C	+0.96			H5651	seco	89H00040	H	600UL			340883	
663	47	169	1.85	129	40	P 2	VSM	+0.33			W4892	prim	89H00041	H	600UL			340820	
664	40	170	0.72	112	13	P 2	01C	+0.95			L7871	prim	89H00043	H	600UL			340820	
665	48	170	0.42	89	SVI	2	DBH	-2.40	08HDBH	0	0.35	D3858	reso	89C00161	H	560PP		340940	
666			0.74	135	23	P 3	DBH	-2.13			H5651	seco	89H00042	H	600UL			340883	
667	33	171	0.63	145	12	P 2	01C	-0.13			L7871	prim	89H00043	H	600UL			340820	
668	37	171	0.90	101	16	P 2	VSM	-1.01			L7871	prim	89H00043	H	600UL			340820	
669	1	175	1.02	136	33	P 2	01C	+0.00	07HTEC			L2157	prim	89C00067	C	560SF		270911	

QUERY REPORT SUMMARY:

QUERY PARAMETER	ENTRIES	TUBES
0 to 100 Percent	658	516
MAI Indication Code	0	0
MCI Indication Code	0	0
MMI Indication Code	0	0
MVI Indication Code	0	0
SAI Indication Code	6	3
SCI Indication Code	2	2
SVI Indication Code	3	3

TOTAL ENTRIES: 669
TOTAL TUBES: 523