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PNP 2012-094

November 01, 2012

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

SUBJECT: 2012 Steam Generator Tube Inspection Report

Palisades Nuclear Plant
Docket 50-255
License No. DPR-20

Dear Sir or Madam:

Entergy Nuclear Operations, Inc. is providing the enclosed 2012 steam generator tube inspection report in accordance with Technical Specifications Section 5.6.8. The specification requires that the report be submitted within 180 days after entry into mode 4 following completion of the inspection. Mode 4 was entered on May 9, 2012.

Summary of Commitments

This letter contains no new commitments and no revised commitments.

Sincerely,

A handwritten signature in black ink, appearing to read "O. W. Gustafson", with a long horizontal line extending to the right.

owg/jlk

Attachment: 1. Palisades Nuclear Plant Steam Generator Tube Inspection Report
for the 2012 Refueling Outage, 1R22, EC 39067

cc: Administrator, Region III, USNRC
Project Manager, Palisades, USNRC
Resident Inspector, Palisades, USNRC

ATTACHMENT 1

PALISADES NUCLEAR PLANT

STEAM GENERATOR

TUBE INSPECTION REPORT

for the

2012 REFUELING OUTAGE, 1R22,

EC 39067

111 pages

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

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Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Inspection Summary

Palisades Technical Specifications (TS) Section 5.6.8, "Steam Generator Tube Inspection Report," requires Entergy Nuclear Operations, Inc. (ENO), to submit a report to the NRC within 180 days after initial entry into mode 4 following a steam generator inspection performed in accordance with TS 5.5.8, Steam Generator (SG) Program. The report shall include:

- a. The scope of inspections performed on each SG (Table 1),
- b. Active degradation mechanisms found (Table 2),
- c. Nondestructive examination techniques utilized for each degradation mechanism (Table 3),
- d. Location, orientation (if linear), and measured sizes (if available) of service induced indications (Tables 4A, 4B and 4C),
- e. Number of tubes plugged during the inspection outage for each active degradation mechanism (Table 5),
- f. Total number and percentage of tubes plugged to date (Table 5),
- g. The results of condition monitoring, including the results of tube pulls and in-situ testing (Table 6), and
- h. The effective tube plugging percentage for all plugging in each SG (Table 5).

ENO performed an inspection of its two Combustion Engineering (CE) SGs in April 2012 during refueling outage 1R22. This inspection was the 14th in-service inspection (ISI) following SG installation in 1990 and the 1st of four scheduled inspections in the 22nd sequential inspection period. The unit initially entered mode 4 following this inspection on May 9, 2012.

The TS section 5.5.8b.1 steam generator tube integrity structural integrity performance criterion was satisfied. The TS section 5.5.8b.2 steam generator tube integrity accident induced leakage performance criterion was satisfied. Leakage did not exceed the 0.3 gallon per minute (gpm) accident induced leakage limit. Primary-to-secondary leak rate measured using condenser off-gas (Xenon-135) was measured at 0.0003 gpm for the start of operating cycle 22, finished at < 0.0001 gpm and had a decreasing trend over the cycle.

No leakage was predicted for either operating or accident conditions for the 2010 to 2012 operating cycle due to observed SG tube degradation in the 2012 refueling outage. All plugs installed were Alloy 690 in the Palisades SGs post-operation and are either Westinghouse ribbed mechanical plugs or Areva mechanically rolled plugs. The Westinghouse plugs are leak-tight for all plant conditions. The Areva roll expansion provides a leak-limiting seal between the plug and tube wall.

The Palisades SGs also contain 308 tubes plugged pre-service in SG E-50A, and 309 tubes plugged pre-service in SG E-50B. Of the tubes plugged pre-

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service, one tube in SG E-50A and four tubes in SG E-50B are plugged using welded plugs, which are leak tight. The remaining tubes plugged pre-service are plugged using CE Alloy 690 roll plugs. There have been no reported industry events related to corrosion degradation of these Alloy 690 plugs.

Thirty eight tubes were plugged in SG E-50A and eleven tubes in SG E-50B during the 2012 refueling outage. Refer to Tables 5 and 6 for details. No tubes were pulled in either SG. No tubes required in-situ pressure testing.

There were no new damage mechanisms identified in the steam generator eddy current inspection in 2012.

Service Induced Indications

Table 4A provides the location and measured sizes of service induced indications. The majority of these indications are a result of tube indications from outside diameter stress corrosion cracking (ODSCC). The remaining indications were from tube wear by support structures. There is one tube in SG E-50A Row 51 Column 150 that was removed from service preventively without a service induced indication. There are three tubes in SG E-50A that were removed from service preventively in contact with a loose part at the top of the hot leg tubesheet (TSH) in Row 130 Column 61, Row 132 Column 61, and Row 133 Column 62. These tubes had no wear indications from the loose part but were stabilized and removed from service by tube plugging to prevent issues due to wear from the loose part in the future.

Tables 4B and 4C provide listings of service induced indications with their location, orientation (if linear), and measured sizes. These two tables list all the wear indications for SG E-50A and SG E-50B identified in eddy current testing including those removed from service by tube plugging.

Tube Plugging Summary

Table 5 provides a summary of the tubes plugged during 1R22 for each active degradation mechanism in each steam generator. This table also includes the total number and percentage of tubes plugged to date along with the effective percentage for all plugging in each SG. No repairs other than plugging (e.g. sleeving) have been performed in the Palisades SGs so the effective plugging is equal to the total plugging. Table 6 provides a list of the individual tubes plugged during 1R22 with Tables 7A and 7B providing SG support and acronym information.

Tube Pulls and In-Situ Pressure Testing

No tubes required in-situ pressure testing per eddy current inspection results in the 2012 refueling outage.

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Table A

Refueling Outage (RFO) Information since Steam Generator Replacement

Outage	Outage Year	Cycle EFPD	Cumulative EFPY	First Inspection Period (EFPMs)	Second Inspection Period (EFPMs)	Third Inspection Period (EFPMs)	Fourth Inspection Period (EFPMs)
1R9	1992	298.5	0.82	9.84			
1R10	1993	356.8	1.79	11.72			
1R11	1995	430.5	2.97	25.87			
1R12	1996	407.4	4.09	39.25			
1R13	1998	419.6	5.24	53.04			
1R14	1999	449.3	6.47		7.80		
1R15	2001	401.3	7.57		20.98		
1R16	2003	444.3	8.78		35.58		
1R17	2004	493.1	10.13		51.78		
1R18	2006	487.9	11.47			7.81	
1R19	2007	459.3	12.73			22.90	
1R20	2009	499.8	14.09			39.32	
1R21	2010	507.7	15.48			56.00	
1R22	2012	504.0	16.84				12.54

EFPD = effective full power days
 EFPM = effective full power months
 EFPY = effective full power years

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 1
Scope and Extent of Tubes Inspected

Scope	Probe Type	SG E-50A	SG E-50B
Full Length ^①	Bobbin	100%	100%
Row 1 through 3 U-bends	MRPC	100%	100%
Hot Leg Tubesheets TTS+3"/-13.5"	MRPC	100%	100%
Cold Leg Outer Three Periphery Tubes TTS+3"/-2" for detection of possible loose parts or wear signals	MRPC	11.3%	11.4%
Freespan Dings > 5.0 Volts between TSH and TSC in both SGs	MRPC	100%	100%
Vertical Strap, Diagonal Bar Dents & Eggcrate Dents \geq 2.0 Volts	MRPC	100%	100%
Historical Wear at Eggcrates	MRPC	25%	25%
Historical Wear at Diagonal Bars and Vertical Straps	MRPC	25%	25%
Supplemental ^②	MRPC	100%	100%
Plug Visual	N/A	100%	100%

① Except the bend portion of rows 1 through 3

② All DNI, DSI, NQI, PLP (Bound MRPC PLPs), PVN and new wear indications.

Table 2
Active Damage Mechanisms

SG	Location	Damage Mechanism
E-50A&B	Diagonal bar (DB) support wear	Wear
E-50A&B	Vertical strap (VS) support wear	Wear
E-50A&B	Eggcrate (EC) support wear	Wear
E-50B	Historical foreign object (FO) wear	Wear
E-50A&B	Axial outer diameter stress corrosion cracking (ODSCC) at hot leg EC intersections	Axial ODSCC
E-50B	Axial ODSCC at hot leg freespan locations (at a ding)	Axial ODSCC
E-50A&B	Axial ODSCC at hot leg top-of-tubesheet (TTS) locations	Axial ODSCC
E-50A&B	Circumferential ODSCC at hot leg top-of-tubesheet (TTS) locations	Circumferential ODSCC

Nondestructive Examination Techniques

Beginning on the next page, Table 3 lists the nondestructive examination techniques utilized for each degradation mechanism.

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Table 3 Eddy Current Technique Palisades 1R22						
Degradation Mechanism	Probe Type	EPRI ETSS	Demonstrated Applicability	Extended Applicability	Detection	Sizing
Axial ODSCC	Bobbin	128413	Freespan (excluding u-bend), eggcrate, sludge pile, & broached TSPs with or without dents $\leq 2V_{pp}$	None	Yes	No
Axial ODSCC	Bobbin	24013.1	Freespan including dings $\leq 5v$	None	Yes	No
Foreign Object Wear	Bobbin	27091.2	Foreign object wear (part not present); I-690 tubing	Extended for I-600 tubing	Yes	CMOA
Support Wear	Bobbin	96004.1	AVBs, TSPs, vertical and diagonal straps	None	Yes	CMOA
Pitting	Bobbin	96005.2	Freespan in the presence of copper	Sludge Pile	Yes	CMOA
Axial ODSCC	+Point TM	128424 (detect); 128431 (sizing)	TSP (with or without dents $\leq 2v_{pp}$) and sludge pile	None	Yes	BED: CMOA BEL: CMOA

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Table 3 Eddy Current Technique Palisades 1R22						
Degradation Mechanism	Probe Type	EPRI ETSS	Demonstrated Applicability	Extended Applicability	Detection	Sizing
Axial ODSCC	+Point _{TM}	128425 (detect) 128432 (sizing)	Freespan (excluding u-bend), eggcrate, & broached TSPs with or without dents ≤2Vpp	None	Yes	BED: CMOA BEL: CMOA
Axial ODSCC	+Point _{TM}	10411.1	Low Row U-bends	Higher Row U-bends	Yes	CMOA
Axial ODSCC	+Point _{TM}	21409.1	Support structures, freespan, sludge pile, & tubesheet crevice	U-bends	Yes	PDA: Information Length: Information
Axial ODSCC	+Point _{TM}	22401.1	Dented TSPs	Freespan dings & dented AVBs	Yes	Depth: Information Length: CMOA
Axial PWSCC	+Point _{TM}	20511.1	Expansion Transitions	Tubesheet & non-dented supports	Yes	PDA: Information Length: CMOA
Axial PWSCC	+Point _{TM}	96511.2	Low Row U-bends	Higher Row U-bends	Yes	CMOA

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Table 3 Eddy Current Technique Palisades 1R22						
Degradation Mechanism	Probe Type	EPRI ETSS	Demonstrated Applicability	Extended Applicability	Detection	Sizing
Axial PWSCC	+Point _{TM}	96703.1	Dents	Tubesheet & non-dented supports	Yes	Depth: CMOA Length: CMOA
Axial PWSCC	+Point _{TM}	99997.2	Low Row U-bends	Higher Row U-bends	Yes	CMOA
Circ ODSCC	+Point _{TM}	21410.1	Expansion Transitions	None	Yes	CMOA
Circ ODSCC	+Point _{TM}	22842.1	Dented Supports	Freespan dings	Yes	CMOA
Circ PWSCC	+Point _{TM}	96511.2	Low Row U-bends	Higher Row U-bends	Yes	For information only
Circ PWSCC	+Point _{TM}	96701.1	Expansion Transitions	Dents and tubesheet	Yes	CMOA
Circ PWSCC	+Point _{TM}	99997.2	Low Row U-bends	Higher Row U-bends	Yes	CMOA
Wear	+Point _{TM}	10908.4	AVBs	Foreign object wear (part present)	Yes	CMOA
*Foreign Object Wear	+Point _{TM} or .115 Pancake	27901 through 27907	Foreign object wear (part not present)	None	Yes	CMOA
Pitting	+Point _{TM}	21998.1	Volumetric in freespan	Sludge Pile	Yes	CMOA

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Table 3 Eddy Current Technique Palisades 1R22						
Degradation Mechanism	Probe Type	EPRI ETSS	Demonstrated Applicability	Extended Applicability	Detection	Sizing
Axial ODSCC	MHI Intelligent Array	10415.1	Low Row U-bends (ETSS used Rows 3-5)	Axial ODSCC in Higher Row U-bends and AVB Wear	Yes	+Point™ will be used for sizing
Axial PWSCC	MHI Intelligent Array	23514.1, 23514.2, 23514.3	Low Row U-bends	Higher Row U-bends	Yes	+Point™ will be used for sizing
Circ PWSCC	MHI Intelligent Array	23514.1, 23514.2, 23514.3	Low Row U-bends	Higher Row U-bends	Yes	+Point™ will be used for sizing
Axial ODSCC	Ghent**	20407.1, 20407.2	Support structures & freespan	None	Yes	Both: CMOA Avg. Depth/Length applies to technique 20407.1
Axial PWSCC	Ghent**	20508.1, 20508.2	Expansion Transitions	None	Yes	CMOA Length applies to technique 20508.1
Axial PWSCC	Ghent**	20509.1	Dented support structures	None	Yes	Not qualified

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Table 3						
Eddy Current Technique Palisades 1R22						
Degradation Mechanism	Probe Type	EPRI ETSS	Demonstrated Applicability	Extended Applicability	Detection	Sizing
Circ ODSCC	Ghent**	20406.1 20406.2	Top of tubesheet & expansion transitions	None	Yes	CMOA Depth/ Length/ PDA apply to technique 20406.1
Circ PWSCC	Ghent**	20507.1	Expansion Transitions	None	Yes	CMOA

* There are multiple ETSSs available for depth sizing of foreign object wear, each depending on the shape of the wear scar and the coil being used. If foreign object wear (with no part present) is reported, an appropriate +Point™ or pancake coil technique will be selected for performing CMOA. The associated NDE uncertainties and CMOA limits will be documented in the CMOA report.

** The Ghent probe will only be used if needed for clarification of the eddy current response or for additional sizing information associated with unusual or unexpected indications.

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Table 4A Location and Measured Sizes of Service Induced Indications

Axial ODSCC Indications

SG	Row	Col	Location	+Point 300 kHz Amplitude (Vpp)	Maximum Depth (%TW) (Note 1)	Axial Length (in)	Structural Length (in) (Note 1)	Structural Depth (%TW) (Note 1)
SGA	75	96	TSH +0.59	0.36	49.99	0.28	0.22	42.7
SGA	78	91	TSH +0.88	0.39	49.76	0.28	0.16	46.2
SGA	80	89	TSH +0.37	0.47	52.14	0.33	0.22	45.8
SGA	80	93	TSH +0.61	0.29	42.21	0.21	0.12	36.0
SGA	80	95	TSH +0.65	0.64	59.64	0.31	0.18	53.4
SGA	83	94	TSH +0.57	0.44	51.10	0.27	0.27	43.6
SGA	3	52	01H -0.47	0.25	35.35	0.48	0.39	30.9
SGA	4	17	03H +0.78	0.24	37.26	0.57	0.21	31.5
SGA	4	109	02H -0.24	0.22	34.85	0.27	0.15	27.4
SGA	5	24	01H -0.78	0.36	45.43	0.33	0.27	40.4
SGA	5	24	01H -0.33	0.29	40.22	0.76	0.54	37.0
SGA	6	107	01H -0.83	0.33	44.48	0.69	0.39	41.0
SGA	6	107	01H +0.86	0.15	26.12	0.30	0.18	23.0
SGA	9	52	01H -0.16	0.26	35.35	1.70	1.29	30.3
SGA	10	57	01H -0.44	0.31	40.99	0.94	0.75	30.6
SGA	10	59	01H -0.44	0.21	34.85	0.60	0.42	28.7
SGA	10	111	02H -0.43	0.32	41.37	0.90	0.47	36.8
SGA	11	126	02H -0.03	0.31	44.8	1.34	0.84	40.4
SGA	12	57	01H -0.64	0.61	57.30	0.73	0.36	44.3
SGA	15	132	01H +0.73	0.28	43.16	0.42	0.24	34.5
SGA	19	118	01H -0.58	0.34	47.75	1.01	0.74	42.2
SGA	21	108	01H +0.95	0.26	39.81	0.66	0.41	30.1

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Table 4A Location and Measured Sizes of Service Induced Indications

SG	Row	Col	Location	+Point 300 kHz Amplitude (Vpp)	Maximum Depth (%TW) (Note 1)	Axial Length (in)	Structural Length (in) (Note 1)	Structural Depth (%TW) (Note 1)
SGA	23	106	04H -0.19	0.28	41.37	0.57	0.33	34.6
SGA	25	106	01H +0.01	0.34	44.16	1.05	0.56	40.0
SGA	29	108	01H +0.53	0.29	40.99	0.99	0.44	34.4
SGA	29	108	03H +0.88	0.24	37.26	0.93	0.50	28.8
SGA	48	103	01H +0.18	0.29	39.41	0.42	0.27	33.9
SGA	80	83	01H +0.85	0.23	32.13	0.51	0.30	26.8
SGA	92	83	01H -0.29	0.38	45.12	1.66	0.87	35.3
SGA	92	121	02H +0.55	0.23	37.26	0.92	0.39	32.0
SGA	100	93	01H +0.26	0.23	37.26	0.67	0.42	31.9
SGA	110	85	01H -0.63	0.18	33.80	0.94	0.81	29.8
SGB	24	47	TSH +0.97	0.71	62.36	0.58	0.48	49.3
SGB	26	47	TSH +0.42	0.44	53.87	0.33	0.24	47.2
SGB	74	101	TSH +0.57	0.23	41.84	0.24	0.09	39.2
SGB	75	100	TSH +0.66	0.53	54.92	0.33	0.21	47.4
SGB	2	39	01H -11.12	0.33	43.83	0.21	0.12	39.0
SGB	24	55	01H -0.44	0.42	48.29	0.66	0.36	38.2
SGB	74	87	01H +0.14	0.21	35.35	0.84	0.66	27.0
SGB	77	112	01H -0.45	0.23	39.41	0.96	0.36	32.4
SGB	80	25	05H -0.88	0.20	32.70	0.30	0.21	29.0
SGB	122	85	01H -0.21	0.30	41.37	0.86	0.39	37.3

Note 1: The maximum depth, structural depth, and structural length values reported in this table reflect the effect of the Entergy Appendix I deviation from the EPRI PWR NDE Guidelines.

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Table 4A Location and Measured Sizes of Service Induced Indications

Circumferential ODSCC Indications

SG	Row	Col	Location	+Point 300 kHz Amplitude (Vpp)	Maximum Depth (%TW)	Circumferential Length (deg)
SGA	28	53	TSH +0.34	0.34	77	32
SGA	91	62	TSH -0.11	0.28	56	32
SGA	103	68	TSH +0.13	0.36	70	108
SGB	97	126	TSH +0.16	0.16	67	53

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Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1	A	1	2	11	02H	0.8	<TS
2	A	1	2	13	04C	-0.87	<TS
3	A	1	128	11	02C	0.85	<TS
4	A	1	136	15	02H	-0.87	<TS
5	A	1	140	8	DBH	-1.3	<TS
6	A	1	150	22	02C	0.88	<TS
7	A	1	150	12	01C	-0.17	<TS
8	A	1	162	13	01C	0.87	<TS
9	A	2	7	11	02H	0.83	<TS
10	A	2	9	11	02C	-0.91	<TS
11	A	2	31	13	03H	0.87	<TS
12	A	2	127	20	05C	0.53	<TS
13	A	2	127	12	DBH	1.2	<TS
14	A	2	159	13	03C	-0.13	<TS
15	A	3	128	15	02C	0.82	<TS
16	A	3	144	13	04H	0.88	<TS
17	A	3	164	11	03H	-0.93	<TS
18	A	3	164	15	02C	0.84	<TS
19	A	4	115	11	04C	0.89	<TS
20	A	4	137	13	02C	0.81	<TS
21	A	4	157	14	02C	0.84	<TS
22	A	4	157	11	02C	-0.13	<TS
23	A	5	38	13	03H	0.84	<TS
24	A	5	130	10	02C	0.88	<TS
25	A	5	132	9	03C	-0.89	<TS
26	A	6	131	8	02H	-0.19	<TS
27	A	6	147	10	04H	-0.85	<TS
28	A	8	161	11	02C	-0.83	<TS
29	A	9	2	21	02C	0.17	<TS
30	A	9	4	10	02C	-0.1	<TS
31	A	9	32	15	DBC	1.21	<TS
32	A	10	7	13	02C	0.84	<TS
33	A	10	21	12	04H	0.92	<TS
34	A	10	29	13	02H	0.82	<TS
35	A	10	39	14	05H	0	<TS
36	A	11	4	8	02C	-0.13	<TS
37	A	11	146	15	03C	0.83	<TS
38	A	12	3	14	02C	0.8	<TS
39	A	12	7	10	02C	-0.9	<TS
40	A	12	57	10	04H	0.91	<TS
41	A	12	133	10	03C	0.15	<TS
42	A	12	137	9	02H	-0.78	<TS
43	A	12	159	13	05H	0.95	<TS

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Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
44	A	13	2	22	02H	0.86	<TS
45	A	13	2	14	02H	-0.86	<TS
46	A	13	4	15	02C	0.88	<TS
47	A	13	8	10	03C	0.81	<TS
48	A	13	8	10	02C	-0.25	<TS
49	A	13	34	20	03C	-0.94	<TS
50	A	13	36	15	05C	0.78	<TS
51	A	13	158	8	03H	0.8	<TS
52	A	14	3	28	02C	0.97	<TS
53	A	14	59	19	05H	0.76	<TS
54	A	14	59	13	02H	0.92	<TS
55	A	15	2	9	03C	-0.15	<TS
56	A	15	14	10	05C	0.88	<TS
57	A	15	36	9	02C	-0.89	<TS
58	A	15	62	13	04C	-0.13	<TS
59	A	15	156	9	03H	-0.19	<TS
60	A	16	9	10	03C	0.8	<TS
61	A	16	11	10	02H	-0.85	<TS
62	A	17	2	9	04H	0.77	<TS
63	A	17	58	13	02C	0.84	<TS
64	A	17	60	13	02C	-0.8	<TS
65	A	18	3	14	02H	0.82	<TS
66	A	18	3	13	02H	-0.86	<TS
67	A	18	59	10	02H	0.88	<TS
68	A	19	112	12	04C	0.86	<TS
69	A	19	144	13	04C	0.91	<TS
70	A	20	3	10	02C	-0.82	<TS
71	A	20	55	10	02C	0.77	<TS
72	A	20	57	10	02H	0.89	<TS
73	A	20	59	7	03C	-0.86	<TS
74	A	20	103	12	04H	-0.18	<TS
75	A	20	163	10	02C	0.13	<TS
76	A	20	163	13	02C	0.9	<TS
77	A	21	2	12	04H	0.87	<TS
78	A	21	60	9	04C	-0.91	<TS
79	A	21	64	13	DBH	-1.85	<TS
80	A	21	114	12	02H	0.09	<TS
81	A	21	114	10	02H	0.9	<TS
82	A	22	9	13	02C	-0.91	<TS
83	A	22	159	16	02H	0.93	<TS
84	A	22	161	7	02H	0.88	<TS
85	A	22	163	11	02H	-0.85	<TS
86	A	23	4	15	02C	-0.84	<TS
87	A	23	40	17	VS4	0.89	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
88	A	23	40	21	VS4	-1.03	<TS
89	A	23	58	12	04C	0.86	<TS
90	A	23	60	11	02H	-0.86	<TS
91	A	23	62	20	02C	0.85	<TS
92	A	23	104	11	03C	-0.75	<TS
93	A	23	104	7	03C	0.13	<TS
94	A	24	33	9	01H	0.86	<TS
95	A	24	41	12	VS4	-1.01	<TS
96	A	24	61	13	03C	-0.89	<TS
97	A	24	161	14	02C	-0.93	<TS
98	A	24	161	18	02C	0.94	<TS
99	A	24	163	23	02C	0.93	<TS
100	A	25	56	10	03C	-0.86	<TS
101	A	25	60	10	03C	0.84	<TS
102	A	25	106	10	03C	0.17	<TS
103	A	25	110	16	04C	0.94	<TS
104	A	26	3	18	02C	-0.89	<TS
105	A	26	5	14	02H	-0.84	<TS
106	A	26	5	14	02H	-0.14	<TS
107	A	26	51	13	02H	0.92	<TS
108	A	26	121	11	VS4	-0.88	<TS
109	A	26	125	10	VS4	0.27	<TS
110	A	26	161	14	03H	0.87	<TS
111	A	26	163	16	01H	0.89	<TS
112	A	27	6	10	02H	-0.78	<TS
113	A	27	10	9	05H	-0.15	<TS
114	A	27	10	11	05H	1.03	<TS
115	A	27	58	15	02H	0.79	<TS
116	A	28	3	12	02C	-0.97	<TS
117	A	28	19	20	VS4	-1.13	<TS
118	A	28	31	20	VS4	-0.96	<TS
119	A	28	43	8	VS4	-1.03	<TS
120	A	28	53	19	02H	0.9	<TS
121	A	28	53	20	VS4	-0.96	<TS
122	A	28	63	15	05H	0.64	<TS
123	A	28	63	21	VS4	-1.12	<TS
124	A	28	105	15	03C	0.19	<TS
125	A	28	161	12	01H	-0.9	<TS
126	A	29	64	9	05H	0.77	<TS
127	A	29	122	10	02H	0.84	<TS
128	A	29	162	13	01H	-0.81	<TS
129	A	30	35	12	02H	0.84	<TS
130	A	30	55	9	03H	0.89	<TS
131	A	30	57	14	04H	0.92	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
132	A	30	59	11	04C	0.9	<TS
133	A	30	59	15	02C	-0.92	<TS
134	A	31	4	13	02H	-0.87	<TS
135	A	31	16	28	VS4	0.88	<TS
136	A	31	42	9	02C	0.87	<TS
137	A	31	44	13	02C	0.89	<TS
138	A	31	60	13	02H	0.91	<TS
139	A	32	7	19	02C	-0.91	<TS
140	A	32	37	10	03H	0.13	<TS
141	A	32	37	15	03H	0.86	<TS
142	A	32	59	18	DBH	0.39	<TS
143	A	32	109	9	VS4	-0.28	<TS
144	A	32	145	17	VS4	-0.99	<TS
145	A	32	161	15	03H	-0.18	<TS
146	A	33	38	14	03H	-0.82	<TS
147	A	33	46	14	02H	0.86	<TS
148	A	33	48	11	02H	0.86	<TS
149	A	33	58	9	04H	0.84	<TS
150	A	33	62	11	04C	-0.78	<TS
151	A	33	116	11	03H	0.86	<TS
152	A	33	116	13	02H	-0.85	<TS
153	A	33	124	17	03C	0.99	<TS
154	A	34	37	13	04H	0.83	<TS
155	A	34	39	12	02H	0.87	<TS
156	A	34	43	17	VS4	-0.77	<TS
157	A	34	57	13	04H	0.88	<TS
158	A	34	57	13	04C	0.89	<TS
159	A	34	59	10	04H	0.87	<TS
160	A	34	59	9	04H	-0.06	<TS
161	A	34	63	13	DBC	1.59	<TS
162	A	34	63	12	04C	0.96	<TS
163	A	34	109	15	04H	0.88	<TS
164	A	34	117	13	03C	-0.9	<TS
165	A	34	119	11	03H	0.91	<TS
166	A	34	121	12	03C	0.9	<TS
167	A	34	131	11	05C	-0.19	<TS
168	A	35	48	12	02C	-0.83	<TS
169	A	35	48	15	03C	-0.85	<TS
170	A	36	49	13	02C	-0.92	<TS
171	A	36	59	10	03H	0.86	<TS
172	A	36	61	15	04H	-0.22	<TS
173	A	36	105	16	02C	0.91	<TS
174	A	36	109	8	VS4	0.04	<TS
175	A	36	117	15	02H	0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
176	A	36	117	11	03C	0.18	<TS
177	A	37	6	15	02C	-0.84	<TS
178	A	37	6	10	02C	0.87	<TS
179	A	37	24	13	05C	0.77	<TS
180	A	37	30	11	05H	0.91	<TS
181	A	37	30	6	05H	-0.95	<TS
182	A	37	34	13	04H	0.9	<TS
183	A	37	36	9	04H	-0.94	<TS
184	A	37	36	11	04H	-0.24	<TS
185	A	37	38	19	03C	0.92	<TS
186	A	37	42	13	02H	0.87	<TS
187	A	37	48	11	04H	-0.81	<TS
188	A	37	50	16	04H	0.83	<TS
189	A	37	50	8	04H	-0.94	<TS
190	A	37	50	10	04C	0.2	<TS
191	A	37	52	14	04C	-0.9	<TS
192	A	37	56	22	04H	0.84	<TS
193	A	37	56	12	05H	0.92	<TS
194	A	37	56	14	05C	-0.02	<TS
195	A	37	56	11	04C	-0.93	<TS
196	A	37	60	12	03H	-0.85	<TS
197	A	37	62	19	04H	0.9	<TS
198	A	37	62	15	05H	-0.85	<TS
199	A	37	106	15	03C	-0.77	<TS
200	A	37	116	15	03C	0.92	<TS
201	A	37	134	10	05H	0.97	<TS
202	A	38	11	10	05H	0.98	<TS
203	A	38	13	12	05C	0.9	<TS
204	A	38	17	19	05H	-0.17	<TS
205	A	38	35	24	03H	0.93	<TS
206	A	38	35	28	04H	0.93	<TS
207	A	38	35	16	05H	0.13	<TS
208	A	38	35	19	05H	0.96	<TS
209	A	38	39	12	02C	0.81	<TS
210	A	38	45	15	03C	-0.89	<TS
211	A	38	47	16	02H	0.87	<TS
212	A	38	47	11	03C	-0.15	<TS
213	A	38	51	33	04C	0.9	<TS
214	A	38	53	13	04H	0.91	<TS
215	A	38	53	14	05C	-0.92	<TS
216	A	38	59	17	04H	0.92	<TS
217	A	38	59	15	05H	-0.17	<TS
218	A	38	61	9	04H	-0.09	<TS
219	A	38	115	13	02C	0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
220	A	38	115	7	02C	-0.58	<TS
221	A	38	119	13	02C	0.9	<TS
222	A	38	123	8	02C	-0.88	<TS
223	A	38	127	15	03H	0.89	<TS
224	A	39	14	14	05H	-0.17	<TS
225	A	39	26	9	04H	0.94	<TS
226	A	39	36	13	05H	-0.83	<TS
227	A	39	40	12	02H	0.93	<TS
228	A	39	42	13	04H	-0.85	<TS
229	A	39	42	17	03C	-0.87	<TS
230	A	39	46	14	04H	-0.95	<TS
231	A	39	58	17	04H	-0.84	<TS
232	A	39	62	15	05H	0.95	<TS
233	A	39	62	12	05H	0.18	<TS
234	A	39	104	15	02C	-0.13	<TS
235	A	39	104	17	03C	-0.81	<TS
236	A	39	104	15	04H	0.83	<TS
237	A	39	106	8	03C	-0.24	<TS
238	A	39	112	14	02C	0.77	<TS
239	A	39	120	17	04H	0.9	<TS
240	A	39	126	16	03C	0.9	<TS
241	A	40	5	11	01C	-0.92	<TS
242	A	40	7	13	02C	0.81	<TS
243	A	40	35	12	04H	0.9	<TS
244	A	40	35	11	02C	0.13	<TS
245	A	40	49	10	04H	0.86	<TS
246	A	40	51	12	03H	-0.81	<TS
247	A	40	51	10	03C	0.86	<TS
248	A	40	51	10	04H	0.92	<TS
249	A	40	57	8	03H	0.96	<TS
250	A	40	59	17	05H	0.98	<TS
251	A	40	117	19	03C	-0.48	<TS
252	A	40	125	9	02C	0.91	<TS
253	A	40	161	15	01H	0.87	<TS
254	A	41	6	14	02C	-0.13	<TS
255	A	41	8	12	02C	-0.15	<TS
256	A	41	16	16	05H	-0.84	<TS
257	A	41	20	12	05H	0.88	<TS
258	A	41	22	11	05H	-0.92	<TS
259	A	41	34	14	03H	-0.87	<TS
260	A	41	40	7	05C	-0.11	<TS
261	A	41	44	10	05C	-0.88	<TS
262	A	41	44	13	03C	-0.92	<TS
263	A	41	50	12	02C	-0.84	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
264	A	41	52	11	03H	0.81	<TS
265	A	41	52	28	VS4	-0.98	<TS
266	A	41	54	12	04C	-0.86	<TS
267	A	41	60	24	05H	0.96	<TS
268	A	41	60	9	04H	0.94	<TS
269	A	41	64	11	04H	0.97	<TS
270	A	41	108	13	03C	0.88	<TS
271	A	41	120	5	03C	0.87	<TS
272	A	41	126	16	02C	-0.85	<TS
273	A	41	160	15	01H	0.91	<TS
274	A	41	160	10	03C	-0.17	<TS
275	A	41	160	9	03C	0.86	<TS
276	A	42	5	11	VS4	-0.8	<TS
277	A	42	5	15	02H	0.95	<TS
278	A	42	5	14	VS4	0	<TS
279	A	42	7	24	02C	0.87	<TS
280	A	42	7	9	02C	0.07	<TS
281	A	42	33	10	DBH	-1.91	<TS
282	A	42	35	16	05C	0.9	<TS
283	A	42	43	23	04H	0.81	<TS
284	A	42	43	10	03C	0.96	<TS
285	A	42	45	15	02H	0.91	<TS
286	A	42	45	12	04H	0.89	<TS
287	A	42	55	10	03H	-0.96	<TS
288	A	42	55	8	03H	-0.11	<TS
289	A	42	57	15	03H	0.88	<TS
290	A	42	59	18	04H	0.82	<TS
291	A	42	63	10	02H	0.83	<TS
292	A	42	117	14	02C	0.9	<TS
293	A	43	44	14	04C	0.85	<TS
294	A	43	46	19	03H	-0.53	<TS
295	A	43	46	33	VS4	-0.92	<TS
296	A	43	46	11	VS4	-0.2	<TS
297	A	43	46	19	VS4	0.83	<TS
298	A	43	46	10	VS4	-1.2	<TS
299	A	43	46	15	DBH	0.11	<TS
300	A	43	52	11	03H	-0.89	<TS
301	A	43	60	14	VS4	0.61	<TS
302	A	43	106	13	03C	0.93	<TS
303	A	43	126	29	VS4	0.79	<TS
304	A	44	15	13	DBH	-1.34	<TS
305	A	44	37	12	05C	-0.9	<TS
306	A	44	41	20	VS4	-0.4	<TS
307	A	44	49	20	04H	0.84	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
308	A	44	49	23	05C	-0.9	<TS
309	A	44	59	11	03H	0.92	<TS
310	A	44	109	14	03C	0.11	<TS
311	A	44	123	16	06H	-0.07	<TS
312	A	44	127	18	03C	-0.13	<TS
313	A	44	127	13	03C	-0.96	<TS
314	A	44	129	11	03C	0.9	<TS
315	A	44	131	17	05C	0.79	<TS
316	A	44	143	12	05C	0.89	<TS
317	A	45	30	14	04H	-0.92	<TS
318	A	45	30	9	04H	-0.21	<TS
319	A	45	52	14	03H	0.9	<TS
320	A	45	60	13	04H	0.94	<TS
321	A	45	60	10	06H	0.42	<TS
322	A	45	62	10	05H	0.96	<TS
323	A	45	104	19	02C	0.74	<TS
324	A	45	104	18	03C	0.85	<TS
325	A	45	108	21	03C	0.89	<TS
326	A	45	122	14	03C	-0.92	<TS
327	A	45	124	11	02C	-0.9	<TS
328	A	45	128	8	03H	-0.11	<TS
329	A	45	132	13	03C	-0.88	<TS
330	A	45	134	16	03C	0.88	<TS
331	A	46	7	15	06H	1.65	<TS
332	A	46	17	13	VS4	-0.13	<TS
333	A	46	37	15	03H	0.87	<TS
334	A	46	41	13	04H	0.95	<TS
335	A	46	47	15	02H	0.93	<TS
336	A	46	51	17	03H	0.87	<TS
337	A	46	57	17	VS4	0.86	<TS
338	A	46	69	18	VS4	-0.71	<TS
339	A	46	111	10	02C	0.83	<TS
340	A	46	111	7	02C	-1.12	<TS
341	A	46	127	8	02C	0.79	<TS
342	A	46	141	16	04C	0.92	<TS
343	A	47	8	19	01H	-0.83	<TS
344	A	47	12	15	DBC	1.75	<TS
345	A	47	24	14	04H	-0.83	<TS
346	A	47	24	14	VS4	0.74	<TS
347	A	47	34	15	03C	0.91	<TS
348	A	47	70	14	04H	0.92	<TS
349	A	47	112	16	02C	0.83	<TS
350	A	47	126	10	04C	0.07	<TS
351	A	48	7	26	01C	0.86	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications (all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
352	A	48	19	13	05H	-0.84	<TS
353	A	48	21	24	VS4	-1.02	<TS
354	A	48	29	17	04H	0.83	<TS
355	A	48	29	20	03C	0.85	<TS
356	A	48	37	12	06H	0.97	<TS
357	A	48	39	10	04H	-0.92	<TS
358	A	48	41	38	VS4	-0.99	<TS
359	A	48	41	19	VS4	0.9	<TS
360	A	48	43	12	02H	0.92	<TS
361	A	48	45	11	06H	0.92	<TS
362	A	48	53	11	VS4	-0.88	<TS
363	A	48	55	15	04H	0.84	<TS
364	A	48	69	33	VS4	0.83	<TS
365	A	48	69	12	VS4	-0.83	<TS
366	A	48	111	13	02C	0.93	<TS
367	A	48	125	20	02C	0.83	<TS
368	A	48	125	16	02C	0.11	<TS
369	A	48	159	15	01H	0	<TS
370	A	48	159	10	01H	-0.9	<TS
371	A	48	159	12	01H	0.81	<TS
372	A	49	10	18	VS4	1.02	<TS
373	A	49	16	15	02C	-0.94	<TS
374	A	49	20	26	VS4	-0.96	<TS
375	A	49	20	22	VS4	1.11	<TS
376	A	49	24	13	VS4	-1.03	<TS
377	A	49	28	16	03C	0.87	<TS
378	A	49	30	8	DBC	1.75	<TS
379	A	49	32	8	DBC	1.33	<TS
380	A	49	36	15	03C	0.83	<TS
381	A	49	66	19	VS4	0.69	<TS
382	A	49	66	21	VS4	0.04	<TS
383	A	49	68	10	04H	-0.11	<TS
384	A	49	70	14	DBC	2	<TS
385	A	49	70	2	DBC	-2	<TS
386	A	49	74	11	DBC	1.9	<TS
387	A	49	92	18	03C	-0.9	<TS
388	A	49	92	21	DBC	1.75	<TS
389	A	49	94	13	02C	0.81	<TS
390	A	49	94	16	03C	0.14	<TS
391	A	49	94	14	VS4	0.7	<TS
392	A	49	96	15	02C	-0.83	<TS
393	A	49	96	19	03C	0.87	<TS
394	A	49	98	9	03C	0.91	<TS
395	A	49	98	11	02C	0.92	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
396	A	49	112	12	VS4	-0.67	<TS
397	A	49	112	18	VS4	-0.24	<TS
398	A	49	122	8	04C	0.86	<TS
399	A	49	122	11	04C	-0.92	<TS
400	A	49	132	13	02C	0.81	<TS
401	A	49	134	10	03C	-0.2	<TS
402	A	49	138	9	04H	-0.85	<TS
403	A	49	138	7	04H	-0.15	<TS
404	A	49	158	8	01H	0.85	<TS
405	A	50	29	8	05H	0.91	<TS
406	A	50	29	12	04C	0.94	<TS
407	A	50	39	13	04H	0.98	<TS
408	A	50	45	15	03H	0.84	<TS
409	A	50	45	15	VS5	-0.83	<TS
410	A	50	49	11	05H	-0.8	<TS
411	A	50	51	15	03H	0.89	<TS
412	A	50	53	12	04H	0.84	<TS
413	A	50	55	11	05H	1.02	<TS
414	A	50	57	14	05H	1.01	<TS
415	A	50	65	18	02H	-0.96	<TS
416	A	50	71	10	03H	0.74	<TS
417	A	50	91	15	VS4	0.73	<TS
418	A	50	97	17	02C	0.91	<TS
419	A	50	105	11	04C	-0.9	<TS
420	A	50	115	9	03C	-0.92	<TS
421	A	50	123	17	04C	0.09	<TS
422	A	50	127	7	03C	0.18	<TS
423	A	50	127	11	03C	-0.9	<TS
424	A	50	157	19	VS3	0.84	<TS
425	A	50	157	33	VS3	-0.97	<TS
426	A	51	20	15	VS5	-0.07	<TS
427	A	51	24	12	02C	-0.93	<TS
428	A	51	30	11	06H	-0.89	<TS
429	A	51	38	12	04H	-0.91	<TS
430	A	51	40	15	04C	0.79	<TS
431	A	51	54	14	04H	0.88	<TS
432	A	51	60	12	04H	0.91	<TS
433	A	51	64	13	05H	0.9	<TS
434	A	51	66	13	05H	0.85	<TS
435	A	51	66	8	04H	-0.98	<TS
436	A	51	70	12	05H	0.96	<TS
437	A	51	90	21	04C	-0.44	<TS
438	A	51	92	17	02C	0.87	<TS
439	A	51	102	17	03C	0.06	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
440	A	51	104	10	04C	-0.81	<TS
441	A	51	108	9	03C	-0.95	<TS
442	A	51	116	9	05H	0.92	<TS
443	A	51	116	8	04C	-0.33	<TS
444	A	51	118	19	02C	-0.85	<TS
445	A	51	122	16	02C	-0.15	<TS
446	A	51	124	12	04C	-0.9	<TS
447	A	51	126	11	03C	-0.89	<TS
448	A	51	126	6	03C	0.85	<TS
449	A	51	126	18	02C	0.11	<TS
450	A	51	126	10	02C	0.85	<TS
451	A	51	134	8	04C	0.15	<TS
452	A	51	134	6	04C	0.88	<TS
453	A	51	154	13	VS3	-0.79	<TS
454	A	52	9	9	01C	-0.8	<TS
455	A	52	19	9	06H	-0.02	<TS
456	A	52	25	9	04H	0.97	<TS
457	A	52	31	17	03C	0.9	<TS
458	A	52	33	12	06H	0.81	<TS
459	A	52	53	11	03H	0.92	<TS
460	A	52	55	15	03H	-0.84	<TS
461	A	52	89	13	03C	0.92	<TS
462	A	52	89	17	06C	0.9	<TS
463	A	52	91	14	05H	-0.88	<TS
464	A	52	97	17	02C	-0.95	<TS
465	A	52	97	15	VS5	-0.74	<TS
466	A	52	109	10	04C	-0.98	<TS
467	A	52	111	18	02C	0.91	<TS
468	A	52	115	8	04C	-0.77	<TS
469	A	52	117	22	02C	0.89	<TS
470	A	52	149	8	VS4	-0.83	<TS
471	A	52	149	15	VS3	0.94	<TS
472	A	53	10	14	01H	-0.86	<TS
473	A	53	10	17	01C	-0.93	<TS
474	A	53	10	10	01C	-0.17	<TS
475	A	53	52	10	04H	-0.9	<TS
476	A	53	56	15	03H	0.9	<TS
477	A	53	80	13	03H	0.99	<TS
478	A	53	80	10	03H	-0.95	<TS
479	A	53	80	12	02H	-0.85	<TS
480	A	53	88	15	03C	-0.94	<TS
481	A	53	90	18	03C	0.57	<TS
482	A	53	92	20	03C	0.9	<TS
483	A	53	94	15	03C	0.1	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
484	A	53	94	12	03C	0.91	<TS
485	A	53	94	12	04C	0.91	<TS
486	A	53	104	17	03C	0.92	<TS
487	A	53	112	10	04C	-0.91	<TS
488	A	53	118	11	02C	0.83	<TS
489	A	53	122	4	04C	-0.86	<TS
490	A	53	122	18	02C	-0.11	<TS
491	A	53	122	8	04C	0.88	<TS
492	A	53	136	5	DBC	1.82	<TS
493	A	53	142	9	03C	0.46	<TS
494	A	54	21	10	06H	-0.11	<TS
495	A	54	23	12	03H	0.97	<TS
496	A	54	29	18	02C	0.83	<TS
497	A	54	33	11	03H	0.88	<TS
498	A	54	39	16	03H	0.91	<TS
499	A	54	39	11	05H	0.91	<TS
500	A	54	63	13	02H	0.94	<TS
501	A	54	83	14	04H	-0.11	<TS
502	A	54	83	20	03H	0.84	<TS
503	A	54	93	17	02C	0.94	<TS
504	A	54	93	12	03C	0.89	<TS
505	A	54	93	11	04C	-0.91	<TS
506	A	54	95	9	02C	-0.86	<TS
507	A	54	105	17	02C	0.92	<TS
508	A	54	109	10	04C	0.86	<TS
509	A	54	119	12	02C	0.83	<TS
510	A	54	143	12	04C	0.85	<TS
511	A	55	8	15	01C	-0.11	<TS
512	A	55	38	11	05C	-0.17	<TS
513	A	55	46	14	04H	-0.8	<TS
514	A	55	78	7	04H	0.96	<TS
515	A	55	80	10	02H	0.94	<TS
516	A	55	82	9	02H	-0.81	<TS
517	A	55	84	10	02C	0.17	<TS
518	A	55	86	11	DBH	1.49	<TS
519	A	55	88	16	02C	-0.92	<TS
520	A	55	96	13	02C	-0.23	<TS
521	A	55	96	12	03C	-0.87	<TS
522	A	55	106	9	06H	0.99	<TS
523	A	55	112	6	04C	-0.79	<TS
524	A	55	112	10	03C	-0.11	<TS
525	A	55	114	10	03C	0.83	<TS
526	A	55	114	11	02C	0.83	<TS
527	A	55	114	5	03C	-0.92	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
528	A	55	120	14	02C	-0.22	<TS
529	A	55	122	15	02C	-0.13	<TS
530	A	55	140	20	06C	-0.09	<TS
531	A	56	27	11	03H	-0.93	<TS
532	A	56	33	10	03H	-0.87	<TS
533	A	56	39	14	04H	-0.09	<TS
534	A	56	41	13	02H	-0.13	<TS
535	A	56	59	11	04H	0.92	<TS
536	A	56	59	11	03H	0.94	<TS
537	A	56	83	10	04C	0.85	<TS
538	A	56	115	13	03C	-0.83	<TS
539	A	56	115	17	02C	0.87	<TS
540	A	56	137	13	03C	0.15	<TS
541	A	56	141	11	04C	0.89	<TS
542	A	57	10	11	01C	-0.13	<TS
543	A	57	18	12	VS3	-0.89	<TS
544	A	57	32	11	06H	-0.15	<TS
545	A	57	40	10	DBC	-1.7	<TS
546	A	57	64	13	02H	0.9	<TS
547	A	57	90	13	04C	-0.08	<TS
548	A	57	90	12	03C	-0.13	<TS
549	A	57	110	14	02C	0.89	<TS
550	A	57	110	10	02C	-0.13	<TS
551	A	57	114	16	03C	-0.85	<TS
552	A	57	136	9	03C	-0.9	<TS
553	A	57	138	10	02C	0.81	<TS
554	A	57	142	12	04C	-0.11	<TS
555	A	57	142	11	04C	-0.88	<TS
556	A	57	142	14	03C	0.9	<TS
557	A	58	33	10	04H	-0.92	<TS
558	A	58	57	12	03H	0.85	<TS
559	A	58	57	13	04H	0.88	<TS
560	A	58	81	13	03H	-0.24	<TS
561	A	58	81	13	02H	-0.2	<TS
562	A	58	85	16	03H	0.89	<TS
563	A	58	85	9	02H	-0.9	<TS
564	A	58	87	15	02C	-0.82	<TS
565	A	58	105	9	05H	-0.09	<TS
566	A	58	113	9	04C	0.95	<TS
567	A	58	115	12	04C	0.82	<TS
568	A	58	121	15	03C	0.76	<TS
569	A	58	121	14	02C	0.81	<TS
570	A	58	123	11	03C	0.09	<TS
571	A	58	127	20	04C	0.93	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
572	A	58	127	7	04C	0.02	<TS
573	A	58	143	10	03C	0.84	<TS
574	A	59	30	11	03H	-0.87	<TS
575	A	59	30	17	03C	0.87	<TS
576	A	59	30	8	03H	0.84	<TS
577	A	59	38	16	03H	0.85	<TS
578	A	59	50	16	06H	0.96	<TS
579	A	59	60	12	04H	0.87	<TS
580	A	59	66	11	06C	0.99	<TS
581	A	59	70	16	03H	0.96	<TS
582	A	59	70	8	03H	-1.01	<TS
583	A	59	82	13	03H	0.74	<TS
584	A	59	90	15	02C	-0.86	<TS
585	A	59	106	15	02C	0.89	<TS
586	A	59	114	14	03C	-0.94	<TS
587	A	59	114	15	03C	0.89	<TS
588	A	59	118	10	02C	0.97	<TS
589	A	59	118	10	02C	-0.13	<TS
590	A	59	120	11	02C	-0.87	<TS
591	A	59	126	10	06H	0.93	<TS
592	A	59	144	13	04C	0.92	<TS
593	A	60	11	13	01C	0.11	<TS
594	A	60	25	17	04H	0.9	<TS
595	A	60	27	14	03C	0.86	<TS
596	A	60	29	21	04H	0.96	<TS
597	A	60	31	14	03H	0.93	<TS
598	A	60	39	16	04H	0.93	<TS
599	A	60	39	9	05H	-0.11	<TS
600	A	60	39	16	06H	1.01	<TS
601	A	60	83	11	DBH	-1.81	<TS
602	A	60	85	13	02C	0.91	<TS
603	A	60	103	11	05H	0.88	<TS
604	A	60	111	11	02H	0.92	<TS
605	A	60	119	23	02C	0.89	<TS
606	A	60	121	18	02C	0.87	<TS
607	A	61	34	15	03H	0.94	<TS
608	A	61	34	11	04H	0.9	<TS
609	A	61	40	12	04H	0.88	<TS
610	A	61	44	14	04H	-0.13	<TS
611	A	61	48	15	06H	0.85	<TS
612	A	61	54	9	03H	-0.85	<TS
613	A	61	56	10	03H	-0.83	TS
614	A	61	86	13	03C	-0.08	<TS
615	A	61	104	12	02C	-0.87	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
616	A	61	108	9	03H	-0.88	<TS
617	A	61	112	14	04C	-0.75	<TS
618	A	61	120	11	04C	-0.9	<TS
619	A	61	120	11	03C	0.87	<TS
620	A	61	138	10	04C	0.88	<TS
621	A	61	144	9	DBH	1.99	<TS
622	A	62	11	14	01C	-0.91	<TS
623	A	62	19	13	06H	0.88	<TS
624	A	62	23	8	DBC	-1.88	<TS
625	A	62	33	16	03H	0.93	<TS
626	A	62	35	11	03H	0.93	<TS
627	A	62	49	14	05H	1.01	<TS
628	A	62	59	11	04H	0.85	<TS
629	A	62	73	10	04H	-0.09	<TS
630	A	62	89	9	03C	-0.96	<TS
631	A	62	95	10	04C	-0.9	<TS
632	A	62	109	11	04H	-0.92	<TS
633	A	62	111	10	03H	0.06	<TS
634	A	62	121	14	02C	0.85	<TS
635	A	63	12	17	01C	-0.96	<TS
636	A	63	40	9	DBC	-1.86	<TS
637	A	63	52	14	06C	0.93	<TS
638	A	63	58	13	03H	0.95	<TS
639	A	63	60	11	03H	0.85	<TS
640	A	63	62	13	04C	0.83	<TS
641	A	63	66	12	04H	-0.88	<TS
642	A	63	80	14	03H	0.93	<TS
643	A	63	80	11	03H	-0.81	<TS
644	A	63	82	7	02H	-0.91	<TS
645	A	63	82	7	06H	0.89	<TS
646	A	63	82	23	03H	0.94	<TS
647	A	63	86	13	03C	-0.85	<TS
648	A	63	86	13	02C	-0.78	<TS
649	A	63	86	15	05C	1.01	<TS
650	A	63	102	14	04H	0.96	<TS
651	A	63	104	12	05C	-0.91	<TS
652	A	63	104	14	04C	-0.2	<TS
653	A	63	104	18	03C	0.87	<TS
654	A	63	106	13	03H	0.92	<TS
655	A	63	118	18	03C	0.87	<TS
656	A	63	120	9	03C	-0.83	<TS
657	A	63	122	23	03C	0.81	<TS
658	A	63	124	16	04C	0.92	<TS
659	A	63	124	12	04C	-0.17	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
660	A	63	126	15	04C	0.89	<TS
661	A	63	134	21	03C	0.85	<TS
662	A	63	136	16	03C	-0.9	<TS
663	A	63	136	16	06H	-0.3	<TS
664	A	63	142	16	04C	0.85	<TS
665	A	64	11	12	06H	0.84	<TS
666	A	64	11	32	VS4	-0.95	<TS
667	A	64	11	10	VS4	0.6	<TS
668	A	64	11	18	VS5	0.84	<TS
669	A	64	13	18	04H	0.98	<TS
670	A	64	13	21	VS4	-0.97	<TS
671	A	64	19	9	06H	0	<TS
672	A	64	25	13	06C	0.83	<TS
673	A	64	57	14	05H	0.91	<TS
674	A	64	57	12	06C	0.88	<TS
675	A	64	59	15	05C	0.83	<TS
676	A	64	59	11	04C	0.81	<TS
677	A	64	67	16	06C	-0.61	<TS
678	A	64	71	12	VS5	-0.91	<TS
679	A	64	71	12	VS5	0.87	<TS
680	A	64	111	9	02H	0.91	<TS
681	A	64	123	13	04C	0.97	<TS
682	A	64	153	12	01C	-0.9	<TS
683	A	65	12	20	06H	0.82	<TS
684	A	65	14	13	06H	0.88	<TS
685	A	65	16	15	05H	0.87	<TS
686	A	65	32	9	DBC	1.61	<TS
687	A	65	32	7	DBC	-1.45	<TS
688	A	65	32	9	04H	0.9	<TS
689	A	65	40	16	03H	0.95	<TS
690	A	65	56	15	06C	0.95	<TS
691	A	65	56	10	03C	-0.9	<TS
692	A	65	60	12	02H	-0.87	<TS
693	A	65	60	13	04H	-0.84	<TS
694	A	65	60	13	03C	0.86	<TS
695	A	65	62	10	05C	-0.97	<TS
696	A	65	66	12	06H	0.83	<TS
697	A	65	76	12	02H	-0.13	<TS
698	A	65	88	12	02C	-0.9	<TS
699	A	65	90	16	02C	0.93	<TS
700	A	65	92	10	02C	1.03	<TS
701	A	65	92	13	03C	0.92	<TS
702	A	65	104	9	04H	0.96	<TS
703	A	65	104	15	03H	0.47	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
704	A	65	106	10	06C	0.84	<TS
705	A	65	106	18	04C	0.84	<TS
706	A	65	106	13	03C	0.89	<TS
707	A	65	106	15	02C	0.86	<TS
708	A	65	106	10	01C	0.13	<TS
709	A	65	108	15	03H	-0.88	<TS
710	A	65	114	10	06H	0.88	<TS
711	A	65	120	13	03C	0.87	<TS
712	A	65	120	9	03C	-0.94	<TS
713	A	65	124	12	03C	0.96	<TS
714	A	65	126	18	06C	-0.92	<TS
715	A	65	138	24	04C	-0.22	<TS
716	A	66	13	9	01C	-0.91	<TS
717	A	66	25	11	04H	0.88	<TS
718	A	66	27	13	06C	0.84	<TS
719	A	66	31	16	04H	0.91	<TS
720	A	66	31	12	05H	-0.89	<TS
721	A	66	35	14	04H	0.86	<TS
722	A	66	35	12	03H	0.91	<TS
723	A	66	37	12	06H	-0.07	<TS
724	A	66	39	9	05H	0.9	<TS
725	A	66	45	11	05H	0.83	<TS
726	A	66	49	6	05H	0.94	<TS
727	A	66	55	9	02H	0.87	<TS
728	A	66	59	16	06C	0.86	<TS
729	A	66	61	16	04H	0.92	<TS
730	A	66	63	10	02H	-0.93	<TS
731	A	66	63	12	06C	0.83	<TS
732	A	66	75	8	05H	0.96	<TS
733	A	66	77	8	DBC	-0.51	<TS
734	A	66	77	11	06C	0.86	<TS
735	A	66	79	12	01H	-0.11	<TS
736	A	66	79	12	03H	-0.83	<TS
737	A	66	83	16	06C	0.88	<TS
738	A	66	89	11	03C	-0.21	<TS
739	A	66	89	16	04C	-0.83	<TS
740	A	66	107	15	03H	0.15	<TS
741	A	66	107	12	02C	-1.05	<TS
742	A	66	109	15	03H	-0.9	<TS
743	A	66	109	15	04C	0.96	<TS
744	A	66	109	14	04C	0.18	<TS
745	A	66	109	18	02C	0.77	<TS
746	A	66	111	10	02H	0.94	<TS
747	A	66	111	10	02H	-0.96	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
748	A	66	113	18	03H	0.87	<TS
749	A	66	113	13	02C	0.85	<TS
750	A	66	123	15	06C	-0.96	<TS
751	A	66	123	13	03C	0.75	<TS
752	A	66	137	14	06C	-0.89	<TS
753	A	66	147	13	03C	-0.19	<TS
754	A	66	153	12	02C	-0.98	<TS
755	A	66	153	10	02C	0.95	<TS
756	A	67	12	10	03H	0.92	<TS
757	A	67	14	24	05H	0.85	<TS
758	A	67	24	13	06C	0.83	<TS
759	A	67	24	26	06H	0.92	<TS
760	A	67	24	9	06H	0.26	<TS
761	A	67	30	14	06C	-0.95	<TS
762	A	67	34	11	06C	0.77	<TS
763	A	67	38	10	06H	1.06	<TS
764	A	67	38	5	06H	-0.29	<TS
765	A	67	50	13	03C	0.87	<TS
766	A	67	50	9	03C	0.13	<TS
767	A	67	56	12	VS3	0.99	<TS
768	A	67	58	12	04C	0.9	<TS
769	A	67	58	16	03C	0.2	<TS
770	A	67	58	14	02C	0.88	<TS
771	A	67	106	10	02H	0.96	<TS
772	A	67	106	15	03H	0.83	<TS
773	A	67	106	15	05C	0.78	<TS
774	A	67	106	17	03C	0.5	<TS
775	A	67	110	13	04H	-0.89	<TS
776	A	67	110	11	03C	0.85	<TS
777	A	67	114	15	03C	-0.87	<TS
778	A	67	114	27	02C	0.91	<TS
779	A	67	118	15	03C	0.85	<TS
780	A	67	120	13	06H	-0.11	<TS
781	A	67	120	9	06H	0.76	<TS
782	A	67	130	15	DBH	1.77	<TS
783	A	67	132	26	DBC	1.21	<TS
784	A	67	136	25	VS3	0.85	<TS
785	A	67	154	14	01C	-0.49	<TS
786	A	67	154	14	02C	0.84	<TS
787	A	67	154	12	04C	0.82	<TS
788	A	68	15	11	05H	-0.15	<TS
789	A	68	17	8	VS4	-0.95	<TS
790	A	68	17	14	VS4	0.8	<TS
791	A	68	27	11	VS3	-0.87	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
792	A	68	41	16	04H	0.94	<TS
793	A	68	45	16	06H	0.83	<TS
794	A	68	53	12	04H	-0.15	<TS
795	A	68	61	10	06H	0.83	<TS
796	A	68	61	9	03C	-0.88	<TS
797	A	68	81	17	03H	0.96	<TS
798	A	68	81	7	03H	-0.92	<TS
799	A	68	87	13	03C	-0.86	<TS
800	A	68	103	9	02H	-0.83	<TS
801	A	68	105	11	04H	0.13	<TS
802	A	68	107	12	03H	-0.11	<TS
803	A	68	111	12	03H	-0.87	<TS
804	A	68	111	13	04H	-0.89	<TS
805	A	68	139	34	VS3	-0.87	<TS
806	A	69	30	15	DBC	1.9	<TS
807	A	69	34	13	06C	0.89	<TS
808	A	69	40	15	04H	0.94	<TS
809	A	69	40	12	DBH	2	<TS
810	A	69	50	12	DBH	1.81	<TS
811	A	69	54	17	03C	-0.94	<TS
812	A	69	56	9	06H	0.9	<TS
813	A	69	56	14	03C	0.44	<TS
814	A	69	58	10	02C	0.84	<TS
815	A	69	60	9	06H	-0.84	<TS
816	A	69	60	13	06H	0.88	<TS
817	A	69	68	14	05C	-0.87	<TS
818	A	69	76	13	04H	-0.89	<TS
819	A	69	76	8	04H	0.22	<TS
820	A	69	80	9	03H	-0.87	<TS
821	A	69	86	19	06C	0.9	<TS
822	A	69	90	11	03C	-0.93	<TS
823	A	69	102	15	04H	1.04	<TS
824	A	69	106	15	05C	0.9	<TS
825	A	69	108	14	04H	0.87	<TS
826	A	69	110	12	03C	0.98	<TS
827	A	69	110	6	03C	-0.04	<TS
828	A	69	112	11	02C	0.93	<TS
829	A	69	112	14	06C	1.01	<TS
830	A	69	116	11	03H	-0.08	<TS
831	A	69	126	15	DBC	2	<TS
832	A	69	132	15	03C	0.99	<TS
833	A	69	132	12	DBC	1.45	<TS
834	A	69	134	19	06C	-0.9	<TS
835	A	69	136	11	VS5	0.81	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
836	A	69	136	12	VS3	-0.81	<TS
837	A	69	152	23	VS3	0.92	<TS
838	A	69	152	21	VS3	-0.86	<TS
839	A	70	19	11	05H	0.9	<TS
840	A	70	25	7	DBC	1.26	<TS
841	A	70	53	10	04H	0.89	<TS
842	A	70	53	9	05H	-0.09	<TS
843	A	70	53	21	03C	0.13	<TS
844	A	70	53	9	02C	-0.86	<TS
845	A	70	55	21	03C	-0.82	<TS
846	A	70	57	8	05H	-0.11	<TS
847	A	70	61	13	04C	0.81	<TS
848	A	70	65	11	04C	0.85	<TS
849	A	70	69	15	05H	-0.15	<TS
850	A	70	81	17	DBC	1.86	<TS
851	A	70	81	10	03H	0.88	<TS
852	A	70	85	13	03H	0.9	<TS
853	A	70	107	15	04C	-0.95	<TS
854	A	70	107	9	04H	0.15	<TS
855	A	70	109	14	03C	0.89	<TS
856	A	70	115	11	03H	0.91	<TS
857	A	70	119	12	04C	0.88	<TS
858	A	70	123	11	03C	-0.87	<TS
859	A	70	137	14	06H	0.88	<TS
860	A	70	145	12	DBC	-1.73	<TS
861	A	70	153	13	DBH	-1.69	<TS
862	A	71	34	9	03H	-0.91	<TS
863	A	71	54	12	04H	0.9	<TS
864	A	71	54	12	03C	0.79	<TS
865	A	71	58	16	04C	-0.88	<TS
866	A	71	78	14	06C	-0.85	<TS
867	A	71	82	11	03H	0.94	<TS
868	A	71	90	15	05C	0.66	<TS
869	A	71	108	9	06C	0.83	<TS
870	A	71	108	14	05C	0.92	<TS
871	A	71	108	16	04C	0.15	<TS
872	A	71	108	12	03C	-0.91	<TS
873	A	71	108	13	02C	-0.13	<TS
874	A	71	110	12	03H	-0.19	<TS
875	A	71	110	14	04H	0.84	<TS
876	A	71	110	6	04H	-0.57	<TS
877	A	71	116	15	03C	0.8	<TS
878	A	71	122	13	03C	0.85	<TS
879	A	71	126	23	05C	0.91	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
880	A	71	126	10	05C	0.11	<TS
881	A	71	150	12	06H	0.84	<TS
882	A	72	21	9	06H	0.83	<TS
883	A	72	47	21	04C	-0.61	<TS
884	A	72	53	15	04C	-0.92	<TS
885	A	72	53	16	02C	0.88	<TS
886	A	72	53	9	04C	0.94	<TS
887	A	72	55	16	04C	-0.18	<TS
888	A	72	55	20	03C	-0.95	<TS
889	A	72	61	12	04C	-0.9	<TS
890	A	72	83	10	DBC	-1.66	<TS
891	A	72	85	12	05C	0.13	<TS
892	A	72	89	13	02C	0.75	<TS
893	A	72	109	13	02H	0.85	<TS
894	A	72	109	9	04H	0.15	<TS
895	A	72	111	11	04H	0.87	<TS
896	A	72	127	19	04C	0.85	<TS
897	A	72	151	12	01H	-0.13	<TS
898	A	73	14	15	05H	-0.96	<TS
899	A	73	44	16	04H	0.83	<TS
900	A	73	44	22	06C	-0.96	<TS
901	A	73	46	14	04H	0.93	<TS
902	A	73	56	12	05C	-0.95	<TS
903	A	73	66	15	04C	0.86	<TS
904	A	73	110	10	03H	-0.86	<TS
905	A	73	112	12	03C	0.9	<TS
906	A	73	124	13	06C	0.88	<TS
907	A	73	134	18	06C	-0.9	<TS
908	A	74	15	19	VS4	0.78	<TS
909	A	74	15	10	01C	-0.96	<TS
910	A	74	33	10	DBC	1.23	<TS
911	A	74	59	10	02C	0.88	<TS
912	A	74	79	15	05C	-0.9	<TS
913	A	74	121	13	03H	-0.87	<TS
914	A	74	123	16	04H	-0.87	<TS
915	A	74	123	16	05C	-0.83	<TS
916	A	74	123	18	04C	0.91	<TS
917	A	74	125	13	03H	-0.92	<TS
918	A	74	127	13	03C	1	<TS
919	A	74	129	12	VS5	-0.9	<TS
920	A	75	16	15	03H	0.58	<TS
921	A	75	16	17	06C	0.07	<TS
922	A	75	20	17	03H	0.87	<TS
923	A	75	20	16	04H	-0.83	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
924	A	75	28	11	DBH	1.54	<TS
925	A	75	40	12	06C	0.86	<TS
926	A	75	44	21	VS3	0.88	<TS
927	A	75	44	38	VS3	-0.84	<TS
928	A	75	48	12	01C	-0.89	<TS
929	A	75	56	14	03C	0.91	<TS
930	A	75	66	10	03C	0.85	<TS
931	A	75	68	17	02C	0.86	<TS
932	A	75	76	11	02H	-0.91	<TS
933	A	75	76	11	02H	0.9	<TS
934	A	75	82	13	03H	0.84	<TS
935	A	75	92	13	06H	-0.93	<TS
936	A	75	104	16	02C	-0.87	<TS
937	A	75	120	22	03C	0.82	<TS
938	A	75	128	15	VS5	0.94	<TS
939	A	75	136	15	04C	0.87	<TS
940	A	75	136	11	04C	-0.15	<TS
941	A	75	148	10	06C	0.91	<TS
942	A	75	150	22	02C	0.9	<TS
943	A	75	150	16	04C	0.85	<TS
944	A	76	15	13	04H	-0.82	<TS
945	A	76	15	37	DBC	-1.84	<TS
946	A	76	15	14	DBC	1.81	<TS
947	A	76	15	12	06C	0.84	<TS
948	A	76	15	16	01C	0.15	<TS
949	A	76	15	13	03H	-0.22	<TS
950	A	76	19	13	DBC	1.74	<TS
951	A	76	21	13	03H	0.91	<TS
952	A	76	21	16	04H	0.89	<TS
953	A	76	37	9	06H	-0.04	<TS
954	A	76	51	11	VS3	-0.88	<TS
955	A	76	51	10	04C	0.15	<TS
956	A	76	51	9	VS3	0.81	<TS
957	A	76	53	15	03C	0.92	<TS
958	A	76	55	26	03C	0.88	<TS
959	A	76	57	12	05C	-0.88	<TS
960	A	76	57	14	02C	0.86	<TS
961	A	76	65	12	04C	-0.11	<TS
962	A	76	69	13	04H	-0.13	<TS
963	A	76	79	13	03H	0.99	<TS
964	A	76	89	14	DBC	1.94	<TS
965	A	76	91	18	02C	0.9	<TS
966	A	76	97	15	04C	0.8	<TS
967	A	76	97	9	04C	-0.81	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
968	A	76	101	18	02H	-0.87	<TS
969	A	76	101	15	03H	0.89	<TS
970	A	76	103	12	03H	-0.11	<TS
971	A	76	107	17	05C	0.72	<TS
972	A	76	111	16	04C	0.92	<TS
973	A	76	111	9	05C	0.85	<TS
974	A	77	16	35	VS4	-0.87	<TS
975	A	77	18	10	07C	0	<TS
976	A	77	18	16	05H	-0.94	<TS
977	A	77	18	17	06H	-0.15	<TS
978	A	77	20	11	06H	-0.13	<TS
979	A	77	22	11	03H	0.78	<TS
980	A	77	22	13	06H	0.95	<TS
981	A	77	24	15	06H	0.93	<TS
982	A	77	24	9	03H	0.87	<TS
983	A	77	24	9	04H	-0.13	<TS
984	A	77	28	11	06H	0.94	<TS
985	A	77	44	19	VS3	0.94	<TS
986	A	77	44	26	VS5	1.14	<TS
987	A	77	50	9	07C	0.02	<TS
988	A	77	52	13	06C	-0.88	<TS
989	A	77	52	14	03C	-0.9	<TS
990	A	77	52	13	02C	0.83	<TS
991	A	77	62	15	03C	0.94	<TS
992	A	77	68	13	02H	0.92	<TS
993	A	77	76	11	VS5	0.92	<TS
994	A	77	82	12	05C	0.92	<TS
995	A	77	92	16	02C	-0.93	<TS
996	A	77	98	12	03H	-0.18	<TS
997	A	77	98	13	03H	-0.96	<TS
998	A	77	102	15	03H	0.91	<TS
999	A	77	114	14	04H	0.92	<TS
1000	A	77	116	11	04H	-0.95	<TS
1001	A	77	122	23	06C	0.83	<TS
1002	A	77	124	21	03C	0.79	<TS
1003	A	77	124	13	03C	-0.86	<TS
1004	A	77	126	10	06H	0.9	<TS
1005	A	77	132	16	07C	0.94	<TS
1006	A	77	132	10	DBC	-1.68	<TS
1007	A	77	138	13	07C	-1.47	<TS
1008	A	77	144	10	04C	0.81	<TS
1009	A	77	148	21	03C	0.9	<TS
1010	A	77	148	16	07H	-1.03	<TS
1011	A	77	150	15	02C	0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1012	A	78	19	11	DBC	-1.73	<TS
1013	A	78	25	11	05C	-0.86	<TS
1014	A	78	75	10	02H	0.04	<TS
1015	A	78	101	16	03H	0.89	<TS
1016	A	78	105	15	02H	-0.83	<TS
1017	A	78	109	11	04H	0	<TS
1018	A	78	111	9	04H	-0.86	<TS
1019	A	78	113	21	02C	0.89	<TS
1020	A	78	119	17	03H	0.87	<TS
1021	A	78	119	14	02C	0.96	<TS
1022	A	78	127	14	03C	0.92	<TS
1023	A	78	147	17	02C	-0.17	<TS
1024	A	79	18	17	VS4	-0.93	<TS
1025	A	79	18	12	VS4	0.95	<TS
1026	A	79	18	14	DBC	1.7	<TS
1027	A	79	20	14	05H	0.91	<TS
1028	A	79	22	10	07C	0.85	<TS
1029	A	79	48	12	04C	-0.15	<TS
1030	A	79	66	16	01C	0.39	<TS
1031	A	79	68	12	04C	-0.88	<TS
1032	A	79	68	12	07H	0.94	<TS
1033	A	79	72	9	05H	-0.87	<TS
1034	A	79	72	16	04H	0.84	<TS
1035	A	79	72	18	VS3	0	<TS
1036	A	79	74	10	05C	-0.94	<TS
1037	A	79	78	13	05C	0.81	<TS
1038	A	79	82	18	03H	0.89	<TS
1039	A	79	82	11	05C	0.88	<TS
1040	A	79	84	9	03H	-0.9	<TS
1041	A	79	90	11	04C	-0.92	<TS
1042	A	79	90	20	04C	-0.1	<TS
1043	A	79	94	11	03C	-0.84	<TS
1044	A	79	100	11	05H	0.73	<TS
1045	A	79	100	14	03H	0.89	<TS
1046	A	79	100	11	02H	0.78	<TS
1047	A	79	104	17	05H	0.97	<TS
1048	A	79	104	8	05H	-0.11	<TS
1049	A	79	114	15	05C	-0.87	<TS
1050	A	79	116	16	03H	-0.89	<TS
1051	A	79	116	16	03C	-0.86	<TS
1052	A	79	120	12	04H	0.87	<TS
1053	A	79	128	24	04C	0.83	<TS
1054	A	79	148	13	02C	0.92	<TS
1055	A	79	150	17	02C	0.09	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1056	A	79	150	10	02C	0.88	<TS
1057	A	80	27	17	VS3	0.92	<TS
1058	A	80	47	10	05C	-0.89	<TS
1059	A	80	57	19	04H	0.91	<TS
1060	A	80	57	13	04H	0.13	<TS
1061	A	80	59	15	04C	0.81	<TS
1062	A	80	65	12	04C	0.87	<TS
1063	A	80	71	11	04H	-0.88	<TS
1064	A	80	77	20	04H	0.88	<TS
1065	A	80	77	12	02H	-0.89	<TS
1066	A	80	77	14	02H	0.87	<TS
1067	A	80	99	14	07C	1.12	<TS
1068	A	80	119	12	03C	0.82	<TS
1069	A	80	133	13	04H	0.94	<TS
1070	A	80	143	14	05C	0.85	<TS
1071	A	80	145	12	02C	-0.15	<TS
1072	A	80	147	15	07H	0.77	<TS
1073	A	81	18	13	01H	0.94	<TS
1074	A	81	18	14	VS4	-0.76	<TS
1075	A	81	20	10	04H	0.86	<TS
1076	A	81	20	6	04H	-0.19	<TS
1077	A	81	22	7	DBC	-1.57	<TS
1078	A	81	46	26	VS5	0.81	<TS
1079	A	81	54	17	05C	-0.92	<TS
1080	A	81	56	10	05C	-0.9	<TS
1081	A	81	84	30	VS4	1.11	<TS
1082	A	81	84	22	07C	-0.07	<TS
1083	A	81	84	10	07C	-0.86	<TS
1084	A	81	84	12	05C	-0.94	<TS
1085	A	81	84	11	04C	-0.83	<TS
1086	A	81	94	11	02C	-0.88	<TS
1087	A	81	94	12	02C	-0.14	<TS
1088	A	81	100	14	05H	0.8	<TS
1089	A	81	102	9	07C	-0.11	<TS
1090	A	81	102	18	07C	-0.87	<TS
1091	A	81	106	12	05C	0.83	<TS
1092	A	81	118	13	04C	-0.86	<TS
1093	A	81	118	17	03C	-0.77	<TS
1094	A	81	118	9	04C	0.83	<TS
1095	A	81	148	16	02C	0.91	<TS
1096	A	81	148	21	05C	0.09	<TS
1097	A	82	19	13	VS4	0.6	<TS
1098	A	82	19	6	VS4	-1	<TS
1099	A	82	33	14	VS3	0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1100	A	82	79	11	07C	0.81	<TS
1101	A	82	89	19	05C	0.98	<TS
1102	A	82	91	13	07C	0.91	<TS
1103	A	82	101	8	05H	-0.08	<TS
1104	A	82	107	13	04H	0.53	<TS
1105	A	82	121	12	05H	0.89	<TS
1106	A	82	123	12	03C	-0.87	<TS
1107	A	83	50	14	05C	0.85	<TS
1108	A	83	74	15	05H	0.84	<TS
1109	A	83	76	17	02H	0.89	<TS
1110	A	83	84	14	02C	0.98	<TS
1111	A	83	84	12	05H	0.81	<TS
1112	A	83	84	12	04H	-0.96	<TS
1113	A	83	86	15	04H	0.89	<TS
1114	A	83	88	21	04C	0.94	<TS
1115	A	83	88	8	04C	-0.87	<TS
1116	A	83	90	17	07H	0.91	<TS
1117	A	83	90	13	05H	-0.16	<TS
1118	A	83	100	12	05H	0.84	<TS
1119	A	83	100	22	04H	0.91	<TS
1120	A	83	100	11	03H	-1	<TS
1121	A	83	102	16	05C	-0.17	<TS
1122	A	83	102	12	05C	-0.89	<TS
1123	A	83	108	15	04H	0.85	<TS
1124	A	83	112	16	02C	-0.13	<TS
1125	A	83	114	12	VS2	-0.68	<TS
1126	A	83	114	10	VS2	0.55	<TS
1127	A	83	116	18	VS2	-0.2	<TS
1128	A	83	116	12	VS2	0.75	<TS
1129	A	83	118	10	03H	0.93	<TS
1130	A	83	120	15	04C	0.85	<TS
1131	A	83	128	13	DBH	1.61	<TS
1132	A	83	146	12	04C	-0.9	<TS
1133	A	83	148	19	03C	-0.99	<TS
1134	A	83	148	11	07C	0.81	<TS
1135	A	84	19	21	01H	-0.49	<TS
1136	A	84	29	15	05C	-0.96	<TS
1137	A	84	33	23	VS2	-0.85	<TS
1138	A	84	41	15	07H	0.83	<TS
1139	A	84	47	11	06H	0.91	<TS
1140	A	84	61	31	03C	0.92	<TS
1141	A	84	61	11	03C	0.15	<TS
1142	A	84	73	10	02H	0.17	<TS
1143	A	84	73	18	04H	0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1144	A	84	73	17	05C	0.92	<TS
1145	A	84	73	8	05C	0.09	<TS
1146	A	84	73	8	05C	-0.87	<TS
1147	A	84	75	10	06C	-0.88	<TS
1148	A	84	81	9	04H	0.88	<TS
1149	A	84	85	11	02H	0.82	<TS
1150	A	84	85	10	02H	-0.97	<TS
1151	A	84	85	19	04H	0.88	<TS
1152	A	84	85	12	04H	-0.9	<TS
1153	A	84	93	13	05C	-0.58	<TS
1154	A	84	93	10	04C	-0.59	<TS
1155	A	84	97	10	05H	0.13	<TS
1156	A	84	119	11	04C	0.95	<TS
1157	A	84	125	14	04C	-0.92	<TS
1158	A	84	141	22	04C	0.79	<TS
1159	A	84	143	12	03C	0.81	<TS
1160	A	84	147	11	VS5	0.79	<TS
1161	A	85	20	24	VS4	-0.95	<TS
1162	A	85	20	21	VS4	0.62	<TS
1163	A	85	26	16	03H	0.84	<TS
1164	A	85	32	9	VS5	0.93	<TS
1165	A	85	32	12	03C	-0.94	<TS
1166	A	85	40	10	VS5	-0.83	<TS
1167	A	85	62	18	04C	0.55	<TS
1168	A	85	84	15	05H	0.86	<TS
1169	A	85	92	18	02C	0.85	<TS
1170	A	85	94	11	02C	0.12	<TS
1171	A	85	104	18	03C	0.87	<TS
1172	A	85	116	15	03C	0.48	<TS
1173	A	85	124	11	03C	0.87	<TS
1174	A	85	130	12	04C	-0.94	<TS
1175	A	85	146	23	02C	0.82	<TS
1176	A	85	146	27	03C	-0.95	<TS
1177	A	86	55	14	06C	0.88	<TS
1178	A	86	57	10	05C	0.46	<TS
1179	A	86	59	11	03C	0.88	<TS
1180	A	86	59	11	02C	0.92	<TS
1181	A	86	63	11	06C	0.86	<TS
1182	A	86	65	12	05H	0.93	<TS
1183	A	86	67	14	04C	-0.85	<TS
1184	A	86	67	11	02C	0.88	<TS
1185	A	86	69	15	06C	-0.87	<TS
1186	A	86	81	11	02H	-0.86	<TS
1187	A	86	85	9	05H	-0.13	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1188	A	86	97	19	03H	0.81	<TS
1189	A	86	101	12	05C	-0.91	<TS
1190	A	86	101	16	04H	-0.85	<TS
1191	A	86	107	10	04H	0.87	<TS
1192	A	86	111	11	04H	0.15	<TS
1193	A	86	111	16	05C	0.85	<TS
1194	A	86	111	9	03H	-0.93	<TS
1195	A	86	115	11	02C	-0.94	<TS
1196	A	86	117	15	03H	0.84	<TS
1197	A	86	117	12	06C	0.91	<TS
1198	A	86	143	14	03C	-0.91	<TS
1199	A	86	145	11	03C	-0.84	<TS
1200	A	86	145	15	04C	0.86	<TS
1201	A	86	145	9	03C	0.89	<TS
1202	A	87	20	18	VS4	-0.18	<TS
1203	A	87	20	25	VS4	0.64	<TS
1204	A	87	22	11	01H	0.89	<TS
1205	A	87	22	12	04H	0.89	<TS
1206	A	87	36	13	DBH	1.99	<TS
1207	A	87	40	9	VS4	0.66	<TS
1208	A	87	40	17	07H	-0.95	<TS
1209	A	87	40	8	07H	-0.15	<TS
1210	A	87	40	16	07C	0.86	<TS
1211	A	87	56	15	04C	0.79	<TS
1212	A	87	56	13	05H	0.88	<TS
1213	A	87	58	16	VS2	-0.85	<TS
1214	A	87	60	12	03C	0.9	<TS
1215	A	87	60	13	02C	0.86	<TS
1216	A	87	82	10	03H	0	<TS
1217	A	87	82	15	05H	1.01	<TS
1218	A	87	82	11	05C	0.97	<TS
1219	A	87	88	12	04H	0.2	<TS
1220	A	87	90	11	02C	-0.17	<TS
1221	A	87	90	10	04H	0.82	<TS
1222	A	87	92	7	04H	0.9	<TS
1223	A	87	92	13	04H	-0.9	<TS
1224	A	87	92	17	02C	0.58	<TS
1225	A	87	92	20	04C	0.89	<TS
1226	A	87	92	16	05C	0.98	<TS
1227	A	87	100	11	05C	-0.9	<TS
1228	A	87	100	18	04H	0.75	<TS
1229	A	87	102	11	03H	0.87	<TS
1230	A	87	102	21	05H	0.86	<TS
1231	A	87	102	8	04H	-0.09	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1232	A	87	104	12	06H	0.98	<TS
1233	A	87	106	14	06H	0.28	<TS
1234	A	87	106	11	03H	0.92	<TS
1235	A	87	110	10	05H	0.09	<TS
1236	A	87	110	13	03H	0.83	<TS
1237	A	87	112	11	04H	0.88	<TS
1238	A	87	114	11	06H	0.13	<TS
1239	A	87	116	20	04C	0.94	<TS
1240	A	87	116	15	03C	-0.15	<TS
1241	A	87	120	14	05H	-0.23	<TS
1242	A	87	124	14	04C	-0.9	<TS
1243	A	87	136	15	03C	-0.87	<TS
1244	A	87	138	18	03H	0.87	<TS
1245	A	87	142	8	03C	-0.98	<TS
1246	A	87	144	16	04C	0.85	<TS
1247	A	87	144	27	03C	-0.9	<TS
1248	A	87	146	10	02C	0.91	<TS
1249	A	88	21	24	VS4	-0.96	<TS
1250	A	88	21	11	VS4	0.07	<TS
1251	A	88	33	11	04H	0.87	<TS
1252	A	88	53	25	07C	0.9	<TS
1253	A	88	57	15	06H	0.94	<TS
1254	A	88	57	23	07C	0.88	<TS
1255	A	88	59	22	05C	0.85	<TS
1256	A	88	59	17	05C	0.13	<TS
1257	A	88	59	11	03C	0.83	<TS
1258	A	88	59	11	04C	0.85	<TS
1259	A	88	61	13	06C	0.83	<TS
1260	A	88	61	26	03C	0.57	<TS
1261	A	88	61	25	02C	0.87	<TS
1262	A	88	73	19	02H	-0.15	<TS
1263	A	88	81	12	02C	1.02	<TS
1264	A	88	83	15	04H	-0.86	<TS
1265	A	88	83	17	05H	-0.91	<TS
1266	A	88	89	13	06H	0.86	<TS
1267	A	88	89	11	05H	0.09	<TS
1268	A	88	91	13	05C	0.13	<TS
1269	A	88	91	15	04H	0.88	<TS
1270	A	88	93	10	04H	0.86	<TS
1271	A	88	99	15	06H	-0.95	<TS
1272	A	88	107	11	04C	-0.09	<TS
1273	A	88	117	12	06H	0.86	<TS
1274	A	88	125	15	04C	-0.89	<TS
1275	A	88	125	13	03C	-0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1276	A	88	145	23	04C	-0.81	<TS
1277	A	88	145	30	02C	0.15	<TS
1278	A	89	34	15	04H	-0.92	<TS
1279	A	89	38	10	04H	-0.9	<TS
1280	A	89	42	9	07H	-0.87	<TS
1281	A	89	42	11	07H	0.93	<TS
1282	A	89	60	12	04H	-0.87	<TS
1283	A	89	70	9	05C	0.04	<TS
1284	A	89	70	17	06C	0.85	<TS
1285	A	89	70	13	05C	-0.91	<TS
1286	A	89	72	14	01C	0.85	<TS
1287	A	89	78	17	07H	1.03	<TS
1288	A	89	78	8	07H	-0.92	<TS
1289	A	89	84	14	04H	-0.95	<TS
1290	A	89	84	11	03H	0.93	<TS
1291	A	89	108	11	04H	0.92	<TS
1292	A	89	108	16	05H	0.94	<TS
1293	A	89	108	25	06H	0.95	<TS
1294	A	89	112	13	05H	-0.87	<TS
1295	A	89	112	16	05H	0.2	<TS
1296	A	89	112	16	05H	0.91	<TS
1297	A	89	114	11	03H	-0.94	<TS
1298	A	89	128	16	03H	0.89	<TS
1299	A	89	128	12	05H	0.83	<TS
1300	A	89	136	11	03H	0.88	<TS
1301	A	90	25	12	VS4	0.95	<TS
1302	A	90	25	6	VS4	-0.86	<TS
1303	A	90	31	8	04H	0.91	<TS
1304	A	90	35	10	05H	0.86	<TS
1305	A	90	55	9	04C	-0.93	<TS
1306	A	90	59	8	04H	-0.12	<TS
1307	A	90	59	10	04H	0.92	<TS
1308	A	90	79	8	05H	0.93	<TS
1309	A	90	79	12	06C	0.86	<TS
1310	A	90	81	12	06H	0.92	<TS
1311	A	90	87	19	03H	0.81	<TS
1312	A	90	87	19	06H	0.4	<TS
1313	A	90	87	15	04C	0.48	<TS
1314	A	90	87	15	02C	0.92	<TS
1315	A	90	91	17	03C	0.96	<TS
1316	A	90	93	21	03C	0.93	<TS
1317	A	90	93	16	04C	0.99	<TS
1318	A	90	95	12	02C	-0.93	<TS
1319	A	90	95	20	04C	0.95	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1320	A	90	95	19	06C	0.97	<TS
1321	A	90	95	18	07C	0.51	<TS
1322	A	90	99	12	07H	-0.97	<TS
1323	A	90	101	11	02C	0.89	<TS
1324	A	90	101	15	02C	0.13	<TS
1325	A	90	101	11	03H	-0.85	<TS
1326	A	90	103	12	04H	0.85	<TS
1327	A	90	105	23	05C	0.91	<TS
1328	A	90	107	13	04H	0.89	<TS
1329	A	90	107	19	05C	0.51	<TS
1330	A	90	109	11	05H	-0.91	<TS
1331	A	90	115	19	VS2	-0.95	<TS
1332	A	90	115	10	VS2	0.95	<TS
1333	A	90	115	17	VS6	-0.79	<TS
1334	A	90	115	14	VS6	-0.15	<TS
1335	A	90	115	15	07C	0.73	<TS
1336	A	90	115	12	03C	-0.92	<TS
1337	A	90	135	16	04H	0.87	<TS
1338	A	90	135	18	04C	0.82	<TS
1339	A	90	137	9	04C	0.02	<TS
1340	A	90	137	15	06C	0.9	<TS
1341	A	90	143	19	02C	-0.96	<TS
1342	A	90	143	17	02C	0.13	<TS
1343	A	90	143	14	03C	-0.94	<TS
1344	A	90	143	12	03C	-0.04	<TS
1345	A	91	22	37	VS4	0.66	<TS
1346	A	91	22	11	VS6	-0.77	<TS
1347	A	91	36	13	06H	-0.88	<TS
1348	A	91	48	17	07C	0.07	<TS
1349	A	91	48	15	05C	-0.93	<TS
1350	A	91	54	9	03C	-0.86	<TS
1351	A	91	60	10	03C	-0.88	<TS
1352	A	91	60	10	02C	-0.18	<TS
1353	A	91	66	18	05C	0.9	<TS
1354	A	91	70	10	06H	-0.13	<TS
1355	A	91	80	13	05C	0.85	<TS
1356	A	91	86	15	05H	0.15	<TS
1357	A	91	90	19	03C	0.8	<TS
1358	A	91	90	11	04C	0.94	<TS
1359	A	91	90	17	05H	0.46	<TS
1360	A	91	92	13	05H	0.93	<TS
1361	A	91	94	16	05C	0.17	<TS
1362	A	91	94	10	06H	0.11	<TS
1363	A	91	94	13	05H	0.15	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1364	A	91	96	10	02C	0.89	<TS
1365	A	91	106	14	03C	0.81	<TS
1366	A	91	110	12	04C	-0.94	<TS
1367	A	91	128	13	04H	-0.93	<TS
1368	A	91	134	8	06C	0.13	<TS
1369	A	91	134	15	04H	-0.87	<TS
1370	A	91	136	13	04C	0.87	<TS
1371	A	91	138	8	04C	-0.94	<TS
1372	A	91	138	16	05C	-0.91	<TS
1373	A	91	138	14	04C	0.83	<TS
1374	A	91	144	10	03C	-0.86	<TS
1375	A	92	23	27	VS6	1.03	<TS
1376	A	92	23	8	VS6	0.66	<TS
1377	A	92	23	18	VS2	0.99	<TS
1378	A	92	23	23	VS2	0.61	<TS
1379	A	92	23	14	04H	0.85	<TS
1380	A	92	25	13	VS4	0.85	<TS
1381	A	92	25	14	VS4	-0.9	<TS
1382	A	92	29	16	03H	0.93	<TS
1383	A	92	33	14	04H	0.83	<TS
1384	A	92	35	15	06H	0.89	<TS
1385	A	92	37	10	04H	0.96	<TS
1386	A	92	51	12	05C	0.13	<TS
1387	A	92	59	14	VS4	-0.85	<TS
1388	A	92	59	18	VS4	0.83	<TS
1389	A	92	59	11	VS4	0.12	<TS
1390	A	92	69	10	05C	0.9	<TS
1391	A	92	69	12	05C	0.13	<TS
1392	A	92	77	19	05C	-0.74	<TS
1393	A	92	77	10	06C	-0.92	<TS
1394	A	92	81	9	06H	-0.96	<TS
1395	A	92	83	12	05H	-0.15	<TS
1396	A	92	83	15	05C	0.98	<TS
1397	A	92	87	15	05C	0.83	<TS
1398	A	92	87	12	03H	0.9	<TS
1399	A	92	89	20	04C	0.87	<TS
1400	A	92	89	15	05C	0.98	<TS
1401	A	92	89	14	06H	0.81	<TS
1402	A	92	93	12	02C	0.87	<TS
1403	A	92	93	18	04H	0.84	<TS
1404	A	92	97	11	05C	-0.12	<TS
1405	A	92	101	18	VS2	-0.85	<TS
1406	A	92	101	18	VS2	0.92	<TS
1407	A	92	105	14	04C	0.87	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1408	A	92	107	16	04H	-0.17	<TS
1409	A	92	109	13	05C	-0.88	<TS
1410	A	92	111	9	04H	0.94	<TS
1411	A	92	115	14	04C	0.87	<TS
1412	A	92	117	10	VS4	-0.63	<TS
1413	A	92	117	10	VS4	0.89	<TS
1414	A	92	125	17	03H	0.88	<TS
1415	A	92	127	11	04H	-0.19	<TS
1416	A	92	129	13	07H	-0.93	<TS
1417	A	92	131	12	04H	0.88	<TS
1418	A	92	133	18	07H	0.76	<TS
1419	A	92	133	18	05C	-0.89	<TS
1420	A	92	133	20	04C	0.89	<TS
1421	A	92	135	14	04C	0.76	<TS
1422	A	92	137	11	04C	0.82	<TS
1423	A	92	141	13	04C	0.85	<TS
1424	A	92	141	16	02C	-0.22	<TS
1425	A	92	141	8	04C	-0.7	<TS
1426	A	93	26	13	VS4	-0.89	<TS
1427	A	93	26	11	VS4	0.91	<TS
1428	A	93	52	13	04C	0.83	<TS
1429	A	93	58	10	04C	-0.24	<TS
1430	A	93	58	10	07C	0.9	<TS
1431	A	93	58	40	VS2	-0.86	PLG
1432	A	93	58	32	VS2	0.95	<TS
1433	A	93	58	30	VS4	0.95	<TS
1434	A	93	70	12	02H	-1.04	<TS
1435	A	93	70	13	04H	0.96	<TS
1436	A	93	76	17	VS4	0.04	<TS
1437	A	93	76	18	VS4	0.77	<TS
1438	A	93	82	12	05C	-0.87	<TS
1439	A	93	82	12	VS2	0.91	<TS
1440	A	93	84	16	04H	-0.88	<TS
1441	A	93	84	14	03H	-0.88	<TS
1442	A	93	88	17	03H	0	<TS
1443	A	93	94	13	04C	0.88	<TS
1444	A	93	94	10	04C	-0.45	<TS
1445	A	93	96	12	04C	-0.13	<TS
1446	A	93	104	38	VS4	-0.75	<TS
1447	A	93	104	14	02C	-0.87	<TS
1448	A	93	106	21	VS2	-0.78	<TS
1449	A	93	106	10	VS2	0.02	<TS
1450	A	93	114	12	03C	-0.8	<TS
1451	A	93	116	13	04H	0.91	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1452	A	93	118	10	DBH	1.87	<TS
1453	A	93	130	17	03H	-0.95	<TS
1454	A	93	132	10	04H	-0.91	<TS
1455	A	93	134	11	04H	-0.97	<TS
1456	A	93	136	14	03C	0.82	<TS
1457	A	93	136	15	03C	-0.95	<TS
1458	A	93	138	18	05C	0.85	<TS
1459	A	94	25	9	03H	-0.95	<TS
1460	A	94	25	14	VS4	-0.91	<TS
1461	A	94	25	6	VS4	-0.16	<TS
1462	A	94	27	12	03H	0.93	<TS
1463	A	94	31	22	VS4	-0.86	<TS
1464	A	94	51	14	04C	0.79	<TS
1465	A	94	51	9	04C	0.09	<TS
1466	A	94	57	11	05C	0.86	<TS
1467	A	94	57	6	05C	-0.24	<TS
1468	A	94	61	11	04H	0.92	<TS
1469	A	94	71	14	05C	-0.94	<TS
1470	A	94	85	16	02C	1.01	<TS
1471	A	94	89	16	05C	0.59	<TS
1472	A	94	91	15	05H	-0.42	<TS
1473	A	94	95	18	07C	-1.04	<TS
1474	A	94	101	23	04C	-0.97	<TS
1475	A	94	107	11	03H	-0.92	<TS
1476	A	94	109	20	04C	-0.84	<TS
1477	A	94	111	12	04H	-0.91	<TS
1478	A	94	129	12	03H	-0.92	<TS
1479	A	94	135	15	04C	0.8	<TS
1480	A	94	139	10	03C	-0.81	<TS
1481	A	94	141	15	03C	0.79	<TS
1482	A	95	24	22	VS4	0.44	<TS
1483	A	95	24	31	VS4	-1.12	<TS
1484	A	95	26	13	VS4	0.92	<TS
1485	A	95	30	35	VS4	-0.91	<TS
1486	A	95	30	29	VS4	0.93	<TS
1487	A	95	32	11	04H	-0.15	<TS
1488	A	95	48	20	06C	0.9	<TS
1489	A	95	48	9	06C	0.07	<TS
1490	A	95	48	9	06H	0.99	<TS
1491	A	95	48	10	07H	-0.92	<TS
1492	A	95	48	11	07H	0.92	<TS
1493	A	95	48	7	07C	0.04	<TS
1494	A	95	54	9	05C	0.11	<TS
1495	A	95	58	14	VS2	-0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1496	A	95	58	11	05C	-0.88	<TS
1497	A	95	58	13	04H	0.97	<TS
1498	A	95	60	13	06H	0.99	<TS
1499	A	95	72	16	07C	0.89	<TS
1500	A	95	72	17	07C	0.04	<TS
1501	A	95	74	13	06C	-0.91	<TS
1502	A	95	84	20	05C	1.01	<TS
1503	A	95	94	14	04C	-0.02	<TS
1504	A	95	94	13	DBC	1.67	<TS
1505	A	95	104	12	04C	0.11	<TS
1506	A	95	104	12	02C	0.11	<TS
1507	A	95	110	11	04H	0.9	<TS
1508	A	95	110	11	04C	0.92	<TS
1509	A	95	110	12	02C	-0.98	<TS
1510	A	95	118	16	VS2	-0.15	<TS
1511	A	95	124	20	VS2	-0.78	<TS
1512	A	95	124	22	VS2	0.94	<TS
1513	A	95	126	19	VS2	0.95	<TS
1514	A	95	126	6	VS2	-1.01	<TS
1515	A	95	130	8	VS2	-0.72	<TS
1516	A	95	130	14	VS2	0.02	<TS
1517	A	95	130	22	VS2	0.87	<TS
1518	A	95	130	13	04H	0.93	<TS
1519	A	95	132	23	VS2	0.91	<TS
1520	A	95	132	14	VS4	0.95	<TS
1521	A	95	132	16	07C	-0.93	<TS
1522	A	95	132	17	03C	-0.83	<TS
1523	A	95	134	28	04C	-0.86	<TS
1524	A	95	134	13	03C	-0.91	<TS
1525	A	95	140	24	04C	0.83	<TS
1526	A	95	142	15	02C	0.81	<TS
1527	A	95	142	15	02C	0.07	<TS
1528	A	96	25	13	04H	0.91	<TS
1529	A	96	25	20	02H	0.83	<TS
1530	A	96	33	11	06H	-0.98	<TS
1531	A	96	41	13	04C	0.88	<TS
1532	A	96	59	15	07C	-0.92	<TS
1533	A	96	59	13	06C	-0.94	<TS
1534	A	96	59	23	04C	-0.91	<TS
1535	A	96	61	12	04H	0.21	<TS
1536	A	96	61	15	06H	0.87	<TS
1537	A	96	61	18	06C	0.09	<TS
1538	A	96	63	23	04C	0.85	<TS
1539	A	96	65	12	05H	-1	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1540	A	96	69	10	04H	0.94	<TS
1541	A	96	73	11	05H	0.92	<TS
1542	A	96	87	21	05C	0.98	<TS
1543	A	96	87	14	05H	0.9	<TS
1544	A	96	89	12	05H	-0.86	<TS
1545	A	96	89	8	04H	0.99	<TS
1546	A	96	91	9	06H	-0.95	<TS
1547	A	96	91	12	04H	-0.13	<TS
1548	A	96	91	7	04H	0.84	<TS
1549	A	96	97	10	06C	0.92	<TS
1550	A	96	97	10	06C	-0.8	<TS
1551	A	96	99	10	04H	-0.15	<TS
1552	A	96	99	11	04H	-0.92	<TS
1553	A	96	103	15	05C	0.85	<TS
1554	A	96	105	19	VS6	-0.85	<TS
1555	A	96	105	13	07H	0.94	<TS
1556	A	96	109	17	04C	0.9	<TS
1557	A	96	111	18	05C	0.79	<TS
1558	A	96	111	17	04C	0.92	<TS
1559	A	96	111	11	04C	0.09	<TS
1560	A	96	131	20	04C	-0.96	<TS
1561	A	96	131	12	03C	1.03	<TS
1562	A	96	131	11	05C	0.9	<TS
1563	A	97	26	14	VS4	-0.82	<TS
1564	A	97	26	16	VS4	0.58	<TS
1565	A	97	46	13	VS4	0.87	<TS
1566	A	97	54	16	05C	0.88	<TS
1567	A	97	54	23	05C	-0.46	<TS
1568	A	97	58	17	07C	0.9	<TS
1569	A	97	62	18	06C	0.88	<TS
1570	A	97	62	16	05C	-0.97	<TS
1571	A	97	64	9	05H	0.95	<TS
1572	A	97	64	17	06C	-0.92	<TS
1573	A	97	68	14	05H	0.9	<TS
1574	A	97	70	10	07H	1.02	<TS
1575	A	97	80	12	01C	0.85	<TS
1576	A	97	82	14	05C	0.99	<TS
1577	A	97	90	16	05C	0.85	<TS
1578	A	97	90	23	VS6	-0.55	<TS
1579	A	97	96	15	04C	-0.91	<TS
1580	A	97	96	15	VS2	0.71	<TS
1581	A	97	96	12	VS2	0	<TS
1582	A	97	100	16	VS2	0.07	<TS
1583	A	97	106	24	VS4	-0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1584	A	97	106	17	VS4	0.92	<TS
1585	A	97	112	13	05C	0.89	<TS
1586	A	97	116	19	VS4	-0.96	<TS
1587	A	97	116	27	05C	0.5	<TS
1588	A	97	118	28	VS4	0.72	<TS
1589	A	97	120	13	VS4	0.73	<TS
1590	A	97	120	15	VS2	-0.93	<TS
1591	A	97	120	27	VS2	0.93	<TS
1592	A	97	132	13	04C	-0.92	<TS
1593	A	97	132	11	DBH	1.82	<TS
1594	A	97	138	16	02C	0.73	<TS
1595	A	97	140	8	03C	-0.9	<TS
1596	A	98	27	13	VS6	0.82	<TS
1597	A	98	27	7	VS6	-0.84	<TS
1598	A	98	35	11	05H	0.86	<TS
1599	A	98	39	16	05H	0.9	<TS
1600	A	98	45	7	05H	-0.13	<TS
1601	A	98	49	11	07C	0.86	<TS
1602	A	98	51	17	05C	0.79	<TS
1603	A	98	55	19	05H	0.75	<TS
1604	A	98	59	16	05C	-0.95	<TS
1605	A	98	63	14	05C	-0.86	<TS
1606	A	98	65	22	VS2	-0.75	<TS
1607	A	98	71	9	07C	0.09	<TS
1608	A	98	75	18	06C	0.9	<TS
1609	A	98	85	18	06C	0.8	<TS
1610	A	98	85	13	DBC	2	<TS
1611	A	98	87	26	06C	0.93	<TS
1612	A	98	87	11	06C	-0.94	<TS
1613	A	98	89	11	02C	0.81	<TS
1614	A	98	95	14	03C	0.99	<TS
1615	A	98	105	21	05C	-0.94	<TS
1616	A	98	105	26	04C	0.96	<TS
1617	A	98	109	22	05C	0.89	<TS
1618	A	98	109	15	04H	0.97	<TS
1619	A	98	109	17	05H	-0.82	<TS
1620	A	98	109	14	07H	-1	<TS
1621	A	98	111	11	07H	0.06	<TS
1622	A	98	111	18	VS2	0.56	<TS
1623	A	98	111	9	VS2	-0.24	<TS
1624	A	98	127	19	07H	0.83	<TS
1625	A	98	133	12	04C	0.97	<TS
1626	A	98	135	16	03C	0.07	<TS
1627	A	98	139	14	02C	-0.13	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1628	A	99	26	20	VS4	-0.94	<TS
1629	A	99	26	23	VS4	-0.57	<TS
1630	A	99	60	10	03H	-0.84	<TS
1631	A	99	70	10	06H	-0.15	<TS
1632	A	99	94	16	03C	0.96	<TS
1633	A	99	96	12	07C	0.07	<TS
1634	A	99	104	13	05C	-1.02	<TS
1635	A	99	104	14	02C	0.22	<TS
1636	A	99	104	18	02C	-0.87	<TS
1637	A	99	106	11	02C	-0.94	<TS
1638	A	99	112	19	04C	0.88	<TS
1639	A	99	118	10	04H	0.13	<TS
1640	A	99	136	14	VS4	-0.87	<TS
1641	A	99	136	7	VS4	0.54	<TS
1642	A	99	138	13	02C	0.11	<TS
1643	A	99	138	15	03H	0.92	<TS
1644	A	99	138	21	03C	-0.39	<TS
1645	A	99	138	16	02C	-0.91	<TS
1646	A	99	140	30	VS4	-0.83	<TS
1647	A	99	140	22	03C	-0.13	<TS
1648	A	99	140	16	03C	-0.92	<TS
1649	A	100	27	29	VS4	-0.87	<TS
1650	A	100	27	16	VS4	-0.24	<TS
1651	A	100	27	18	VS4	0.92	<TS
1652	A	100	29	15	04H	0.81	<TS
1653	A	100	29	17	05H	0.88	<TS
1654	A	100	29	21	06H	0.87	<TS
1655	A	100	31	15	06H	-0.13	<TS
1656	A	100	31	12	04H	0.85	<TS
1657	A	100	31	11	06H	-0.96	<TS
1658	A	100	33	15	03H	0.91	<TS
1659	A	100	35	14	03H	-0.82	<TS
1660	A	100	35	11	05C	0.11	<TS
1661	A	100	41	10	06C	0.83	<TS
1662	A	100	49	16	05C	0.91	<TS
1663	A	100	51	10	06H	-0.15	<TS
1664	A	100	61	11	03H	-0.81	<TS
1665	A	100	65	12	06H	-0.92	<TS
1666	A	100	67	29	VS6	-0.92	<TS
1667	A	100	75	12	06C	0.91	<TS
1668	A	100	87	14	05C	0.96	<TS
1669	A	100	87	14	04H	-0.92	<TS
1670	A	100	89	15	03C	0.96	<TS
1671	A	100	89	11	04C	-0.81	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1672	A	100	99	14	05C	0.93	<TS
1673	A	100	103	17	05C	-0.85	<TS
1674	A	100	103	22	02C	0.91	<TS
1675	A	100	107	13	04C	0.85	<TS
1676	A	100	115	15	05H	-0.88	<TS
1677	A	100	131	13	05C	0.92	<TS
1678	A	100	133	15	DBH	1.93	<TS
1679	A	100	137	15	05C	-0.98	<TS
1680	A	100	137	19	03C	-0.85	<TS
1681	A	100	137	33	03C	-0.5	<TS
1682	A	100	137	13	04C	0.83	<TS
1683	A	100	139	20	03C	-0.11	<TS
1684	A	101	28	11	03H	0.86	<TS
1685	A	101	30	20	04H	-0.15	<TS
1686	A	101	36	11	03H	1.08	<TS
1687	A	101	40	9	05H	0.06	<TS
1688	A	101	56	14	06C	-0.92	<TS
1689	A	101	68	14	06H	0.87	<TS
1690	A	101	70	16	05H	0.89	<TS
1691	A	101	70	12	07C	-0.13	<TS
1692	A	101	78	9	07H	-0.87	<TS
1693	A	101	78	8	07H	0.61	<TS
1694	A	101	86	15	07C	0.95	<TS
1695	A	101	102	10	04C	0.11	<TS
1696	A	101	104	16	05C	-0.19	<TS
1697	A	101	106	16	04C	0.83	<TS
1698	A	101	108	11	VS2	0.79	<TS
1699	A	101	112	14	06H	0.95	<TS
1700	A	101	114	12	VS2	-0.94	<TS
1701	A	101	114	15	07C	-0.85	<TS
1702	A	101	114	16	03C	-0.83	<TS
1703	A	101	118	17	DBH	1.91	<TS
1704	A	101	120	13	03C	0.85	<TS
1705	A	101	124	14	07C	0.88	<TS
1706	A	101	128	11	04H	-0.97	<TS
1707	A	101	136	11	02C	0.07	<TS
1708	A	101	136	7	03C	-0.83	<TS
1709	A	101	138	25	VS4	0.7	<TS
1710	A	102	29	25	VS4	-0.92	<TS
1711	A	102	29	16	VS4	-0.13	<TS
1712	A	102	29	18	04C	-0.91	<TS
1713	A	102	31	8	07C	0.84	<TS
1714	A	102	31	10	02C	0.88	<TS
1715	A	102	49	9	06H	0.95	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1716	A	102	55	11	03C	-0.9	<TS
1717	A	102	65	30	05H	-0.87	<TS
1718	A	102	67	12	07H	0.92	<TS
1719	A	102	67	10	07C	0.07	<TS
1720	A	102	73	14	07C	-0.88	<TS
1721	A	102	83	13	01C	0.83	<TS
1722	A	102	85	12	05C	1.05	<TS
1723	A	102	89	20	04C	0.83	<TS
1724	A	102	89	13	03H	0.44	<TS
1725	A	102	89	9	04C	0.29	<TS
1726	A	102	91	13	04C	-0.87	<TS
1727	A	102	95	16	05C	-0.1	<TS
1728	A	102	95	14	02C	-0.66	<TS
1729	A	102	105	14	02C	0.2	<TS
1730	A	102	105	19	05C	0.85	<TS
1731	A	102	105	11	03C	0.15	<TS
1732	A	102	105	15	03C	-0.98	<TS
1733	A	102	113	15	05C	0.85	<TS
1734	A	102	117	22	03H	0.91	<TS
1735	A	102	121	23	VS4	-0.88	<TS
1736	A	102	133	14	03C	-0.92	<TS
1737	A	102	135	11	02C	0.86	<TS
1738	A	102	135	20	04C	0.74	<TS
1739	A	102	135	20	03C	-0.18	<TS
1740	A	102	135	9	02C	-0.19	<TS
1741	A	102	137	17	04C	-0.89	<TS
1742	A	103	30	14	05H	-0.78	<TS
1743	A	103	30	9	06H	-0.91	<TS
1744	A	103	30	8	05C	0.82	<TS
1745	A	103	30	13	07H	-0.97	<TS
1746	A	103	30	16	VS4	0.62	<TS
1747	A	103	30	7	VS4	-0.22	<TS
1748	A	103	32	18	VS4	-0.92	<TS
1749	A	103	32	9	VS4	0.57	<TS
1750	A	103	32	9	03C	0.11	<TS
1751	A	103	32	14	02C	-0.15	<TS
1752	A	103	36	11	05C	-0.89	<TS
1753	A	103	36	12	VS2	1	<TS
1754	A	103	36	10	VS2	-0.96	<TS
1755	A	103	54	10	05H	0.91	<TS
1756	A	103	54	8	04H	-0.93	<TS
1757	A	103	68	11	07H	-0.94	<TS
1758	A	103	82	11	05H	-0.81	<TS
1759	A	103	82	16	05H	-0.09	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1760	A	103	82	14	06H	0.96	<TS
1761	A	103	82	7	06H	-0.17	<TS
1762	A	103	84	11	07H	0.92	<TS
1763	A	103	86	19	VS2	0.6	<TS
1764	A	103	86	14	VS2	0.15	<TS
1765	A	103	92	16	05C	0.98	<TS
1766	A	103	92	12	04C	0.85	<TS
1767	A	103	92	7	04C	-0.74	<TS
1768	A	103	96	15	05C	0.87	<TS
1769	A	103	100	15	05C	-0.82	<TS
1770	A	103	102	13	03C	-0.15	<TS
1771	A	103	108	10	07C	0.85	<TS
1772	A	103	108	15	07C	-0.18	<TS
1773	A	103	118	11	04C	-0.82	<TS
1774	A	103	122	19	DBC	1.69	<TS
1775	A	103	122	10	07C	0.92	<TS
1776	A	103	134	16	04C	0.78	<TS
1777	A	103	134	15	04C	0.02	<TS
1778	A	103	136	15	02C	0.87	<TS
1779	A	104	31	22	VS4	-0.87	<TS
1780	A	104	31	21	VS4	0.87	<TS
1781	A	104	33	14	04C	-0.89	<TS
1782	A	104	33	15	03C	-0.89	<TS
1783	A	104	61	14	06C	0.87	<TS
1784	A	104	63	14	05C	-0.9	<TS
1785	A	104	63	16	07C	-0.94	<TS
1786	A	104	69	10	07H	-0.94	<TS
1787	A	104	77	15	06C	0.87	<TS
1788	A	104	85	12	04C	0.96	<TS
1789	A	104	85	14	VS2	-0.9	<TS
1790	A	104	85	18	04C	-0.89	<TS
1791	A	104	87	23	04C	-0.97	<TS
1792	A	104	87	13	04C	-0.12	<TS
1793	A	104	89	14	02C	-0.86	<TS
1794	A	104	93	13	06H	0.86	<TS
1795	A	104	95	16	VS2	-0.79	<TS
1796	A	104	97	10	03C	-0.04	<TS
1797	A	104	97	13	03C	0.86	<TS
1798	A	104	97	22	04C	-1.01	<TS
1799	A	104	99	17	06C	0.86	<TS
1800	A	104	103	14	05C	0.89	<TS
1801	A	104	121	14	06C	0.85	<TS
1802	A	104	123	16	04C	0.9	<TS
1803	A	104	133	17	05C	-0.17	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1804	A	104	135	24	03C	0.8	<TS
1805	A	105	32	13	04H	-0.85	<TS
1806	A	105	32	14	01C	0.09	<TS
1807	A	105	90	19	05C	0.91	<TS
1808	A	105	92	14	07C	-0.99	<TS
1809	A	105	112	20	05H	0.93	<TS
1810	A	105	112	12	06H	-0.11	<TS
1811	A	105	120	12	04C	0.82	<TS
1812	A	105	120	12	03C	-1.02	<TS
1813	A	105	122	13	06C	0.78	<TS
1814	A	105	132	23	03C	0.9	<TS
1815	A	105	136	14	VS4	0.94	<TS
1816	A	105	136	18	VS4	-0.76	<TS
1817	A	106	31	14	03C	0.95	<TS
1818	A	106	31	15	01C	-0.89	<TS
1819	A	106	31	22	04C	0.87	<TS
1820	A	106	33	16	VS4	-0.73	<TS
1821	A	106	33	12	VS4	-1.02	<TS
1822	A	106	35	18	03C	0.88	<TS
1823	A	106	35	14	03C	0.04	<TS
1824	A	106	43	8	07H	-0.76	<TS
1825	A	106	45	11	05H	-0.15	<TS
1826	A	106	47	14	04C	0.9	<TS
1827	A	106	47	15	04C	0.12	<TS
1828	A	106	57	19	07H	0.86	<TS
1829	A	106	59	14	VS2	-0.9	<TS
1830	A	106	67	19	VS6	0.72	<TS
1831	A	106	69	14	VS2	0.69	<TS
1832	A	106	69	14	07C	-0.15	<TS
1833	A	106	101	18	04H	0.9	<TS
1834	A	106	117	13	04H	0.74	<TS
1835	A	106	117	17	06C	-0.91	<TS
1836	A	106	119	14	04C	-0.87	<TS
1837	A	106	121	11	04C	0.2	<TS
1838	A	106	121	18	04C	0.97	<TS
1839	A	106	121	19	05C	0.46	<TS
1840	A	106	125	8	06C	0.87	<TS
1841	A	106	131	13	04H	-0.74	<TS
1842	A	106	131	12	03C	-0.2	<TS
1843	A	106	131	13	03C	-0.93	<TS
1844	A	106	133	20	DBC	1.92	<TS
1845	A	106	133	12	03C	0.94	<TS
1846	A	106	135	12	01H	0.11	<TS
1847	A	106	135	16	03C	-0.81	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1848	A	107	32	13	VS4	-0.35	<TS
1849	A	107	32	8	04C	-0.91	<TS
1850	A	107	32	36	VS4	-0.76	<TS
1851	A	107	32	15	04C	-0.22	<TS
1852	A	107	32	17	03C	0.93	<TS
1853	A	107	34	9	01H	0.88	<TS
1854	A	107	36	9	03C	0.85	<TS
1855	A	107	44	13	05H	-0.93	<TS
1856	A	107	44	16	05H	-0.15	<TS
1857	A	107	44	13	VS2	0.71	<TS
1858	A	107	84	9	05C	-0.83	<TS
1859	A	107	92	15	05C	0.95	<TS
1860	A	107	94	14	04C	-0.86	<TS
1861	A	107	98	12	03C	-0.06	<TS
1862	A	107	98	11	04C	-0.11	<TS
1863	A	107	114	10	03C	0.13	<TS
1864	A	107	118	11	04C	-0.84	<TS
1865	A	107	122	11	03C	-0.13	<TS
1866	A	107	124	14	VS2	-0.84	<TS
1867	A	107	124	13	VS2	-0.09	<TS
1868	A	107	124	14	VS2	0.69	<TS
1869	A	107	128	15	04C	-0.92	<TS
1870	A	107	130	26	VS2	-0.77	<TS
1871	A	107	130	13	VS2	0.75	<TS
1872	A	107	130	14	03C	-0.89	<TS
1873	A	107	134	18	03H	0.85	<TS
1874	A	107	134	26	VS4	-0.93	<TS
1875	A	107	134	20	VS4	0.82	<TS
1876	A	107	134	14	03C	-0.88	<TS
1877	A	107	134	29	02C	-0.93	<TS
1878	A	108	33	34	VS4	-0.94	<TS
1879	A	108	33	28	VS4	0.92	<TS
1880	A	108	35	22	01C	0.89	<TS
1881	A	108	35	29	01C	0.09	<TS
1882	A	108	39	10	04H	0.87	<TS
1883	A	108	63	10	VS2	0.2	<TS
1884	A	108	63	20	VS2	0.83	<TS
1885	A	108	65	18	DBH	1.8	<TS
1886	A	108	67	12	06C	-0.94	<TS
1887	A	108	69	13	07C	0.88	<TS
1888	A	108	87	14	05C	1	<TS
1889	A	108	89	15	06C	-0.83	<TS
1890	A	108	93	19	06C	0.55	<TS
1891	A	108	95	16	03C	0.77	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1892	A	108	99	12	DBH	1.98	<TS
1893	A	108	115	13	05H	0.89	<TS
1894	A	108	117	14	05C	0.9	<TS
1895	A	108	119	13	03C	0.28	<TS
1896	A	108	131	13	02C	-0.87	<TS
1897	A	108	133	14	04C	0.74	<TS
1898	A	108	133	21	04C	-0.92	<TS
1899	A	109	34	9	01C	0.83	<TS
1900	A	109	34	31	VS4	0.7	<TS
1901	A	109	34	12	VS4	-0.92	<TS
1902	A	109	34	11	05H	-0.9	<TS
1903	A	109	34	12	04H	-0.91	<TS
1904	A	109	34	11	01H	0.92	<TS
1905	A	109	42	10	03H	0.89	<TS
1906	A	109	62	14	06C	0.88	<TS
1907	A	109	90	14	07C	-0.09	<TS
1908	A	109	90	9	07C	-0.88	<TS
1909	A	109	98	31	VS2	-0.87	<TS
1910	A	109	114	20	06C	0.82	<TS
1911	A	109	114	12	03C	0.83	<TS
1912	A	109	116	11	04H	-0.79	<TS
1913	A	109	118	19	04C	-0.87	<TS
1914	A	109	120	21	03C	-0.11	<TS
1915	A	109	124	13	08C	-0.92	<TS
1916	A	109	124	10	02C	0.86	<TS
1917	A	109	132	22	04C	0.81	<TS
1918	A	110	35	18	01H	0.89	<TS
1919	A	110	39	18	VS2	0.9	<TS
1920	A	110	47	13	05C	0.92	<TS
1921	A	110	79	12	06C	-0.13	<TS
1922	A	110	83	17	06C	1.1	<TS
1923	A	110	91	15	04C	-0.88	<TS
1924	A	110	109	10	05C	0.83	<TS
1925	A	110	109	11	04C	0.81	<TS
1926	A	110	115	10	04C	0.92	<TS
1927	A	110	115	12	08H	1.17	<TS
1928	A	110	123	24	08H	-1.13	<TS
1929	A	110	131	14	01H	0.15	<TS
1930	A	110	131	15	05C	-0.22	<TS
1931	A	110	131	12	04C	-0.82	<TS
1932	A	110	131	19	03C	0.76	<TS
1933	A	110	131	34	DBH	-1.76	<TS
1934	A	111	44	16	06C	-0.15	<TS
1935	A	111	50	11	04H	-0.93	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1936	A	111	62	23	VS2	-0.85	<TS
1937	A	111	82	9	02H	0.89	<TS
1938	A	111	86	13	02C	0.91	<TS
1939	A	111	100	11	05C	0.85	<TS
1940	A	111	104	15	04C	-0.13	<TS
1941	A	111	116	11	03C	0.86	<TS
1942	A	111	116	12	03H	0.9	<TS
1943	A	111	126	15	04C	0.85	<TS
1944	A	111	126	8	04C	0.09	<TS
1945	A	111	128	19	03C	0.79	<TS
1946	A	111	128	22	03C	-0.84	<TS
1947	A	111	128	14	VS4	0.89	<TS
1948	A	111	130	17	03H	-0.91	<TS
1949	A	111	130	22	04C	-0.17	<TS
1950	A	112	37	22	02C	-0.89	<TS
1951	A	112	37	11	DBH	-1.52	<TS
1952	A	112	41	20	VS4	-1.01	<TS
1953	A	112	41	10	VS6	-0.84	<TS
1954	A	112	59	23	VS4	-0.85	<TS
1955	A	112	59	25	VS4	0.04	<TS
1956	A	112	59	36	VS6	0.92	<TS
1957	A	112	89	10	04C	-0.91	<TS
1958	A	112	103	13	VS2	-0.83	<TS
1959	A	112	103	13	VS2	0.87	<TS
1960	A	112	103	7	04H	0.04	<TS
1961	A	112	103	16	04H	0.89	<TS
1962	A	112	115	16	04C	-0.85	<TS
1963	A	112	119	12	04H	0.79	<TS
1964	A	112	125	17	05C	-0.82	<TS
1965	A	112	125	15	04C	0.78	<TS
1966	A	112	127	17	05C	-0.92	<TS
1967	A	113	36	9	01H	-0.08	<TS
1968	A	113	36	14	01H	0.95	<TS
1969	A	113	38	13	02C	0.88	<TS
1970	A	113	38	10	01C	-0.95	<TS
1971	A	113	68	21	VS2	-0.74	<TS
1972	A	113	68	15	VS4	-0.84	<TS
1973	A	113	68	13	VS4	0.84	<TS
1974	A	113	68	12	VS2	0.19	<TS
1975	A	113	90	13	03C	-1	<TS
1976	A	113	90	13	VS4	-0.7	<TS
1977	A	113	90	12	VS6	-0.74	<TS
1978	A	113	118	16	04C	0.11	<TS
1979	A	113	128	13	03H	0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
1980	A	113	128	17	04H	-0.89	<TS
1981	A	114	47	10	05H	0.94	<TS
1982	A	114	51	10	04C	0.86	<TS
1983	A	114	53	10	04H	0.8	<TS
1984	A	114	53	10	04C	0.84	<TS
1985	A	114	75	11	06H	0.81	<TS
1986	A	114	79	10	05H	0.89	<TS
1987	A	114	119	13	07C	0.78	<TS
1988	A	114	119	14	03C	0.76	<TS
1989	A	114	121	12	04C	0.88	<TS
1990	A	114	121	9	03C	-0.95	<TS
1991	A	114	123	17	04C	-0.85	<TS
1992	A	114	123	21	03C	-0.88	<TS
1993	A	114	129	10	03H	0.92	<TS
1994	A	114	129	12	08H	-1.04	<TS
1995	A	115	38	13	VS4	0.75	<TS
1996	A	115	38	16	02C	0.07	<TS
1997	A	115	38	15	02C	-0.92	<TS
1998	A	115	50	12	VS4	-0.79	<TS
1999	A	115	78	19	06H	-0.86	<TS
2000	A	115	82	13	05H	0.86	<TS
2001	A	115	82	9	05H	-0.25	<TS
2002	A	115	90	38	VS4	-0.85	<TS
2003	A	115	92	28	VS1	0.71	<TS
2004	A	115	124	14	05C	0.8	<TS
2005	A	115	124	20	04C	-0.85	<TS
2006	A	115	124	12	03C	0.81	<TS
2007	A	115	128	15	05H	0.91	<TS
2008	A	116	39	17	VS6	-0.53	<TS
2009	A	116	39	34	02C	-0.9	<TS
2010	A	116	39	18	01C	-0.46	<TS
2011	A	116	45	14	02H	0.84	<TS
2012	A	116	51	19	07H	0.81	<TS
2013	A	116	51	12	05H	-0.17	<TS
2014	A	116	53	14	05C	0.88	<TS
2015	A	116	55	13	05H	-0.88	<TS
2016	A	116	63	14	VS6	-0.76	<TS
2017	A	116	81	9	06C	0.89	<TS
2018	A	116	81	11	06C	-0.92	<TS
2019	A	116	81	12	05H	0.88	<TS
2020	A	116	81	13	VS6	-0.92	<TS
2021	A	116	95	11	06C	0.98	<TS
2022	A	116	95	15	07C	-0.94	<TS
2023	A	116	97	12	DBH	-1.58	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2024	A	116	97	12	VS2	-0.88	<TS
2025	A	116	111	13	05C	0.02	<TS
2026	A	116	119	20	03C	0.76	<TS
2027	A	116	121	25	04C	0.85	<TS
2028	A	116	121	14	03C	-0.9	<TS
2029	A	116	121	11	04C	-0.09	<TS
2030	A	116	123	16	06C	0.09	<TS
2031	A	117	40	24	VS4	-0.99	<TS
2032	A	117	40	26	02C	0.9	<TS
2033	A	117	40	12	02C	-0.17	<TS
2034	A	117	42	11	02C	0.86	<TS
2035	A	117	42	34	01C	-0.95	<TS
2036	A	117	44	8	02C	0.87	<TS
2037	A	117	58	13	06C	0.59	<TS
2038	A	117	70	17	06C	0.89	<TS
2039	A	117	72	11	07H	0.11	<TS
2040	A	117	76	11	07H	0.15	<TS
2041	A	117	78	9	04H	0.85	<TS
2042	A	117	82	13	05H	-0.92	<TS
2043	A	117	94	13	03C	0.88	<TS
2044	A	117	110	14	03C	0.83	<TS
2045	A	117	114	14	03C	-0.85	<TS
2046	A	117	120	15	03H	0.82	<TS
2047	A	117	120	14	02C	0.82	<TS
2048	A	117	122	17	04C	-0.26	<TS
2049	A	117	122	15	VS4	0.09	<TS
2050	A	118	41	14	01H	0.89	<TS
2051	A	118	41	19	VS4	-0.97	<TS
2052	A	118	41	30	02C	0	<TS
2053	A	118	43	10	03H	0.86	<TS
2054	A	118	43	10	06H	-1.13	<TS
2055	A	118	43	9	02C	-0.95	<TS
2056	A	118	43	34	01C	-0.97	<TS
2057	A	118	43	6	02C	0.88	<TS
2058	A	118	47	15	02H	0.85	<TS
2059	A	118	51	15	06C	0.86	<TS
2060	A	118	97	17	VS2	-1.04	<TS
2061	A	118	101	12	04H	-0.13	<TS
2062	A	118	105	23	04C	0.87	<TS
2063	A	118	125	20	VS7	-0.59	<TS
2064	A	119	44	10	02H	0.85	<TS
2065	A	119	52	28	06C	0.86	<TS
2066	A	119	60	16	VS4	-0.92	<TS
2067	A	119	60	14	VS4	0.97	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2068	A	119	76	15	06C	0.87	<TS
2069	A	119	98	11	07H	0.81	<TS
2070	A	119	110	21	04C	-0.88	<TS
2071	A	119	122	14	03C	0.74	<TS
2072	A	120	45	10	02H	0.82	<TS
2073	A	120	75	15	08C	-0.87	<TS
2074	A	120	77	12	07C	0.09	<TS
2075	A	120	81	18	07C	0.87	<TS
2076	A	120	81	9	VS4	0.98	<TS
2077	A	120	81	18	07C	0.09	<TS
2078	A	120	81	14	06C	0.85	<TS
2079	A	120	89	17	06C	-0.89	<TS
2080	A	120	93	18	06C	0.99	<TS
2081	A	120	111	16	04C	0.09	<TS
2082	A	120	111	11	03C	-0.99	<TS
2083	A	120	115	17	05C	-0.95	<TS
2084	A	120	115	15	04C	0.78	<TS
2085	A	120	117	12	04C	0.85	<TS
2086	A	120	119	21	03C	0.72	<TS
2087	A	120	121	23	05C	0.85	<TS
2088	A	120	123	14	01H	-0.13	<TS
2089	A	121	44	22	VS4	0	<TS
2090	A	121	44	15	VS7	0.9	<TS
2091	A	121	44	10	02C	0.88	<TS
2092	A	121	44	18	01C	-0.9	<TS
2093	A	121	44	10	VS4	0.7	<TS
2094	A	121	50	16	06C	0.81	<TS
2095	A	121	88	11	07C	-0.94	<TS
2096	A	121	104	14	VS6	-0.84	<TS
2097	A	121	104	13	VS6	-0.09	<TS
2098	A	121	104	9	VS6	0.84	<TS
2099	A	121	106	12	02C	0.88	<TS
2100	A	121	112	24	VS7	-0.71	<TS
2101	A	121	116	15	04C	-0.84	<TS
2102	A	121	116	22	03C	0.82	<TS
2103	A	121	118	33	VS4	-0.8	<TS
2104	A	121	118	21	VS4	-0.07	<TS
2105	A	121	118	23	VS4	0.76	<TS
2106	A	121	118	27	03C	0.92	<TS
2107	A	121	120	15	05H	0.8	<TS
2108	A	121	120	16	06H	0.85	<TS
2109	A	121	120	7	05H	-0.84	<TS
2110	A	122	45	16	01C	0.91	<TS
2111	A	122	53	12	06H	0.79	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2112	A	122	63	13	05H	0.84	<TS
2113	A	122	105	14	04C	0.85	<TS
2114	A	122	105	11	04C	0.09	<TS
2115	A	122	111	19	05C	-0.85	<TS
2116	A	122	111	13	02C	-0.2	<TS
2117	A	123	48	11	05C	0.88	<TS
2118	A	123	52	12	06H	-0.99	<TS
2119	A	123	110	14	06C	-0.57	<TS
2120	A	123	112	12	03C	0.87	<TS
2121	A	123	114	16	04C	-0.18	<TS
2122	A	123	120	10	02H	-0.87	<TS
2123	A	123	120	11	04H	-0.96	<TS
2124	A	123	120	11	02H	0.88	<TS
2125	A	123	120	8	04H	0.88	<TS
2126	A	124	49	15	01H	0.9	<TS
2127	A	124	51	16	03H	0.84	<TS
2128	A	124	57	12	05C	0.9	<TS
2129	A	124	117	11	06C	-0.18	<TS
2130	A	124	117	14	03C	0.07	<TS
2131	A	124	119	8	02C	-0.8	<TS
2132	A	124	119	12	VS4	-0.99	<TS
2133	A	125	48	26	VS4	-0.96	<TS
2134	A	125	88	18	08H	0.88	<TS
2135	A	125	110	24	03C	0.85	TS
2136	A	125	112	20	07H	-0.28	<TS
2137	A	125	112	15	04C	-0.89	<TS
2138	A	125	112	19	03C	0.13	<TS
2139	A	125	114	15	03H	-0.19	<TS
2140	A	125	114	17	02C	0.87	<TS
2141	A	125	118	11	VS4	-0.82	<TS
2142	A	125	118	8	VS4	-0.22	<TS
2143	A	126	51	12	01H	0.11	<TS
2144	A	126	51	24	03H	0.8	<TS
2145	A	126	61	12	07H	-1.03	<TS
2146	A	126	61	8	08C	-0.92	<TS
2147	A	126	63	11	07H	0.88	<TS
2148	A	126	69	15	08H	-0.91	<TS
2149	A	126	73	11	08C	-0.85	<TS
2150	A	126	77	14	VS1	0.91	<TS
2151	A	126	77	13	VS1	-0.87	<TS
2152	A	126	83	14	07H	0.11	<TS
2153	A	126	85	11	06C	0.9	<TS
2154	A	126	95	10	06H	0	<TS
2155	A	126	103	32	VS4	-1.07	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2156	A	126	109	16	05C	0.81	<TS
2157	A	126	109	11	05C	0.07	<TS
2158	A	126	109	11	03C	0.83	<TS
2159	A	126	109	12	03C	0.04	<TS
2160	A	126	111	16	VS7	0.99	<TS
2161	A	126	111	9	04C	-0.15	<TS
2162	A	126	111	19	03C	-0.9	<TS
2163	A	126	111	13	02C	-0.89	<TS
2164	A	126	115	10	05H	0.94	<TS
2165	A	126	115	17	04C	0.88	<TS
2166	A	126	115	12	03C	0.95	<TS
2167	A	126	115	17	02C	-0.88	<TS
2168	A	126	115	12	02C	0.2	<TS
2169	A	127	52	16	02C	-0.89	<TS
2170	A	127	52	10	01C	0.85	<TS
2171	A	127	52	13	03C	-0.13	<TS
2172	A	127	56	11	DBH	1.94	<TS
2173	A	127	72	21	VS6	-0.37	<TS
2174	A	127	80	16	VS7	0.48	<TS
2175	A	127	80	16	06C	0.83	<TS
2176	A	127	90	13	08H	-1	<TS
2177	A	127	98	12	04C	-1.07	<TS
2178	A	127	108	16	05C	-0.96	<TS
2179	A	127	112	28	03C	-0.96	<TS
2180	A	127	112	12	02C	-0.9	<TS
2181	A	127	114	13	05C	-0.22	<TS
2182	A	128	53	23	02H	-0.97	<TS
2183	A	128	69	14	08H	0.83	<TS
2184	A	128	77	20	07C	0.88	<TS
2185	A	128	91	15	08C	0.88	<TS
2186	A	128	93	15	VS6	-0.97	<TS
2187	A	128	107	13	03C	0.82	<TS
2188	A	128	107	15	02C	0.86	<TS
2189	A	128	111	16	05C	0.83	<TS
2190	A	128	113	14	05C	-0.94	<TS
2191	A	129	54	30	02C	-0.94	<TS
2192	A	129	56	21	02H	0.92	<TS
2193	A	129	58	30	02H	0.9	<TS
2194	A	129	58	10	07H	-1.06	<TS
2195	A	129	74	16	VS1	-0.9	<TS
2196	A	129	84	12	VS4	0.59	<TS
2197	A	129	92	15	VS4	-0.9	<TS
2198	A	129	92	8	VS4	0.99	<TS
2199	A	129	110	26	02C	0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2200	A	129	110	18	04C	0.09	<TS
2201	A	129	112	10	VS1	-0.94	<TS
2202	A	130	55	18	02H	0.88	<TS
2203	A	130	57	13	02H	0.94	<TS
2204	A	130	57	25	08H	0.86	<TS
2205	A	130	89	13	DBC	-1.94	<TS
2206	A	130	95	24	VS4	-1.12	<TS
2207	A	130	99	10	03C	-0.83	<TS
2208	A	130	99	26	03C	-0.14	<TS
2209	A	130	107	19	02C	0.97	<TS
2210	A	130	107	15	03C	-0.2	<TS
2211	A	131	58	12	02H	0.92	<TS
2212	A	131	76	14	06C	0.96	<TS
2213	A	131	94	16	08H	0.9	<TS
2214	A	131	94	17	08H	-0.99	<TS
2215	A	131	96	23	06C	0.82	<TS
2216	A	131	98	15	03C	0.82	<TS
2217	A	131	106	14	03C	-0.24	<TS
2218	A	132	59	14	01C	0.83	<TS
2219	A	132	61	13	01H	0.19	<TS
2220	A	132	63	6	07H	-1.03	<TS
2221	A	132	67	17	VS2	-0.92	<TS
2222	A	132	67	13	VS2	0.9	<TS
2223	A	132	81	14	DBC	1.95	<TS
2224	A	132	87	13	DBH	1.23	<TS
2225	A	132	97	9	08C	0.04	<TS
2226	A	132	99	14	06C	0.91	<TS
2227	A	132	107	13	04C	0.11	<TS
2228	A	132	107	10	03C	0.83	<TS
2229	A	132	107	16	03C	-0.95	<TS
2230	A	133	60	16	02H	-0.85	<TS
2231	A	133	60	13	02H	0.89	<TS
2232	A	133	62	19	07H	-1.03	<TS
2233	A	133	62	11	07H	0.92	<TS
2234	A	133	62	16	03H	0.89	<TS
2235	A	133	64	17	05H	-0.15	<TS
2236	A	133	70	15	08C	0.85	<TS
2237	A	133	74	21	VS4	0.15	<TS
2238	A	133	74	22	VS4	0.79	<TS
2239	A	133	84	16	08H	-0.2	<TS
2240	A	133	86	16	DBC	-1.62	<TS
2241	A	133	88	17	DBC	1.95	<TS
2242	A	133	92	22	VS6	0.94	<TS
2243	A	133	94	15	VS4	-0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2244	A	133	94	12	DBC	-1.84	<TS
2245	A	133	94	14	DBC	1.71	<TS
2246	A	133	94	16	VS2	0.7	<TS
2247	A	133	98	18	DBC	1.94	<TS
2248	A	133	104	14	07C	0.87	<TS
2249	A	133	104	11	06C	-0.26	<TS
2250	A	133	104	15	05C	0.87	<TS
2251	A	133	104	12	08C	0.8	<TS
2252	A	133	104	10	05C	0.06	<TS
2253	A	133	104	12	08C	-0.8	<TS
2254	A	134	65	22	07H	-0.17	<TS
2255	A	134	65	15	06H	0.96	<TS
2256	A	134	65	15	08H	0.79	<TS
2257	A	134	69	23	VS7	0.22	<TS
2258	A	134	69	31	VS7	0.71	<TS
2259	A	134	71	16	VS1	0.24	<TS
2260	A	134	71	24	VS1	0.76	<TS
2261	A	134	71	14	VS1	-0.89	<TS
2262	A	134	87	13	VS7	0.66	<TS
2263	A	134	99	18	04C	-0.85	<TS
2264	A	134	103	17	02C	-0.87	<TS
2265	A	135	68	15	07H	0.87	<TS
2266	A	135	76	16	DBC	1.78	<TS
2267	A	135	78	12	VS4	0.91	<TS
2268	A	135	78	26	08C	-1.02	<TS
2269	A	135	78	9	08C	0.89	<TS
2270	A	135	78	10	VS4	-0.07	<TS
2271	A	135	78	22	VS7	0.7	<TS
2272	A	135	82	16	08H	0.9	<TS
2273	A	135	82	14	08C	-1.05	<TS
2274	A	135	86	16	DBC	-1.72	<TS
2275	A	135	86	18	VS4	0.93	<TS
2276	A	135	90	22	08C	0.92	<TS
2277	A	135	96	42	VS6	0.97	PLG
2278	A	135	98	11	03C	-0.99	<TS
2279	A	135	100	22	02C	0.8	<TS
2280	A	135	100	16	04C	-1.02	<TS
2281	A	136	69	12	VS7	0.88	<TS
2282	A	136	69	15	VS7	-0.9	<TS
2283	A	136	71	11	04H	0.87	<TS
2284	A	136	79	13	VS7	-0.77	<TS
2285	A	136	79	21	VS7	0.77	<TS
2286	A	136	79	14	08C	-1.09	<TS
2287	A	136	79	31	07C	-0.18	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2288	A	136	79	11	07C	-1.01	<TS
2289	A	136	85	17	08H	-0.99	<TS
2290	A	136	85	10	07H	0.07	<TS
2291	A	136	89	12	DBC	1.95	<TS
2292	A	136	91	10	04C	-0.89	<TS
2293	A	136	91	21	06C	-1.02	<TS
2294	A	136	91	15	06C	-0.26	<TS
2295	A	136	91	20	07C	-1.08	<TS
2296	A	136	91	22	08C	-0.77	<TS
2297	A	136	91	29	08C	0.7	<TS
2298	A	136	91	12	05C	-1	<TS
2299	A	136	91	13	05C	0.02	<TS
2300	A	136	91	13	DBC	1.99	<TS
2301	A	136	91	12	VS1	0.75	<TS
2302	A	137	74	8	08H	-1.12	<TS
2303	A	137	74	11	03H	0.89	<TS
2304	A	137	76	28	VS4	-0.79	<TS
2305	A	137	76	28	VS4	-0.11	<TS
2306	A	137	78	12	08C	0.84	<TS
2307	A	137	82	9	08C	-1.05	<TS
2308	A	137	88	20	VS6	-0.22	<TS
2309	A	137	88	16	VS6	-0.84	<TS
2310	A	137	90	16	DBC	0.79	<TS
2311	A	137	92	18	02C	0.89	<TS
2312	A	137	92	12	03C	0.9	<TS
2313	A	137	92	17	04C	0.84	<TS
2314	A	137	92	31	05C	0.09	<TS
2315	A	137	92	10	06C	-1.08	<TS
2316	A	137	92	18	07C	-0.92	<TS
2317	A	137	92	18	08C	-0.81	<TS
2318	A	137	92	27	08C	0.7	<TS
2319	A	138	75	17	08C	0.09	<TS
2320	A	138	75	6	08C	-0.81	<TS
2321	A	138	75	10	07H	0.85	<TS
2322	A	138	75	6	08C	0.87	<TS
2323	A	138	75	10	07C	0.81	<TS
2324	A	138	75	10	07H	-1.11	<TS
2325	A	138	81	12	08H	0.72	<TS
2326	A	138	81	20	08C	-1.02	<TS
2327	A	138	81	12	08H	-0.15	<TS
2328	A	138	83	15	08H	-1.1	<TS
2329	A	138	83	11	08H	-0.04	<TS
2330	A	138	83	27	DBH	1.94	<TS
2331	A	138	83	15	VS1	-0.79	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4B Steam Generator E-50A Indications
(all indications due to tube wear)

No.	S/G	Row	Column	Percent in Depth	Location	Elevation	Status
2332	A	138	85	17	08H	-1.05	<TS
2333	A	138	85	14	VS6	0.99	<TS
2334	A	138	85	26	VS7	0.85	<TS
2335	A	138	85	17	08C	-0.26	<TS
2336	A	138	85	16	DBC	-1.56	<TS
2337	A	138	85	10	08C	0.92	<TS
2338	A	138	87	16	08C	0.81	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1	B	1	10	13	03C	-0.15	<TS
2	B	1	28	12	02C	0.96	<TS
3	B	1	36	13	03C	0.83	<TS
4	B	1	124	11	02C	0.81	<TS
5	B	1	130	11	03C	0.97	<TS
6	B	1	150	16	01C	-0.91	<TS
7	B	1	150	13	01C	-0.21	<TS
8	B	1	158	16	02C	0.75	<TS
9	B	1	160	11	03C	-0.1	<TS
10	B	1	160	16	04H	0.87	<TS
11	B	1	160	11	04H	-0.15	<TS
12	B	1	164	17	02C	-0.92	<TS
13	B	2	11	12	02C	0.9	<TS
14	B	2	141	17	03H	-0.88	<TS
15	B	2	143	11	02C	0.91	<TS
16	B	2	163	14	02H	0.9	<TS
17	B	2	165	15	01C	0.88	<TS
18	B	3	2	12	03H	0.86	<TS
19	B	3	6	15	02C	0.77	<TS
20	B	3	36	15	03C	0.85	<TS
21	B	3	42	18	03C	0.78	<TS
22	B	3	162	12	02H	-0.27	<TS
23	B	4	125	11	04C	-0.86	<TS
24	B	4	165	12	02C	0.88	<TS
25	B	4	165	11	02C	-0.91	<TS
26	B	5	138	12	02H	-0.9	<TS
27	B	6	23	12	04C	0.83	<TS
28	B	6	137	11	04C	-0.91	<TS
29	B	6	165	19	02C	-0.93	<TS
30	B	7	2	13	05H	0.85	<TS
31	B	7	26	13	01C	-0.78	<TS
32	B	7	140	13	04C	0.89	<TS
33	B	7	148	11	02H	0.24	<TS
34	B	8	3	15	03C	-0.17	<TS
35	B	8	33	11	03H	-0.88	<TS
36	B	8	129	11	04C	-0.68	<TS
37	B	8	159	10	04C	0.88	<TS
38	B	8	161	10	03H	0.88	<TS
39	B	8	161	13	04H	0.62	<TS
40	B	8	165	16	02C	-0.82	<TS
41	B	9	2	11	03C	-0.17	<TS
42	B	9	140	13	03C	0.87	<TS
43	B	10	133	16	04C	-0.71	<TS
44	B	10	133	12	02C	0.86	<TS
45	B	10	133	7	04C	0.17	<TS
46	B	10	165	16	02H	0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
47	B	11	2	15	02H	0.93	<TS
48	B	11	32	11	04C	-0.93	<TS
49	B	11	32	10	05H	0.94	<TS
50	B	11	32	11	DBH	-1.82	<TS
51	B	11	112	8	DBC	1.17	<TS
52	B	11	136	10	02C	-0.13	<TS
53	B	11	164	22	04C	0.72	<TS
54	B	11	164	21	02C	-0.97	<TS
55	B	12	3	14	03C	-0.95	<TS
56	B	12	3	10	02C	0.8	<TS
57	B	13	2	10	04C	-0.08	<TS
58	B	13	4	16	02H	-0.85	<TS
59	B	13	6	12	03C	0.82	<TS
60	B	13	8	11	03C	-0.84	<TS
61	B	13	12	13	02C	-0.89	<TS
62	B	13	56	12	04H	0.82	<TS
63	B	13	62	14	05C	-0.93	<TS
64	B	13	140	14	02H	0.8	<TS
65	B	14	57	11	03H	0.94	<TS
66	B	14	61	11	02H	0.86	<TS
67	B	14	121	11	05C	1.15	<TS
68	B	14	137	12	03H	0.93	<TS
69	B	14	157	12	02C	0.82	<TS
70	B	15	32	10	03H	0.06	<TS
71	B	15	130	25	05C	-0.92	<TS
72	B	15	154	16	04H	0.82	<TS
73	B	15	162	7	DBC	-1.91	<TS
74	B	15	164	15	02H	1.04	<TS
75	B	15	164	12	02C	0.8	<TS
76	B	16	3	10	02C	0.06	<TS
77	B	16	37	9	05C	-0.19	<TS
78	B	16	55	8	DBH	-1.77	<TS
79	B	16	131	10	03C	0.89	<TS
80	B	16	139	11	DBC	1.55	<TS
81	B	16	145	10	04C	-0.9	<TS
82	B	17	2	12	03C	0.82	<TS
83	B	17	36	12	04H	-0.79	<TS
84	B	17	60	12	02C	0.93	<TS
85	B	17	62	9	DBH	1.74	<TS
86	B	17	62	11	01C	-0.98	<TS
87	B	17	62	8	02H	0.96	<TS
88	B	17	144	12	03H	0.85	<TS
89	B	17	152	8	02H	0.88	<TS
90	B	18	5	12	03C	-0.23	<TS
91	B	18	141	12	03C	-0.69	<TS
92	B	19	60	10	03H	-0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
93	B	19	138	10	03C	-0.85	<TS
94	B	19	156	12	04C	0.83	<TS
95	B	19	164	23	02C	0.86	<TS
96	B	20	161	14	02C	0.94	<TS
97	B	21	4	12	03C	0.85	<TS
98	B	21	8	14	03C	-0.89	<TS
99	B	21	58	16	02C	0.9	<TS
100	B	21	164	10	02C	-0.24	<TS
101	B	22	11	13	02C	0.83	<TS
102	B	22	115	11	04C	-0.88	<TS
103	B	22	133	20	VS4	0.84	<TS
104	B	22	133	9	VS4	-0.82	<TS
105	B	22	163	18	02C	0.9	<TS
106	B	23	106	9	VS4	-0.88	<TS
107	B	23	160	9	02C	-0.87	<TS
108	B	23	160	10	02C	-0.11	<TS
109	B	23	160	11	03C	-0.88	<TS
110	B	24	53	12	02C	0.87	<TS
111	B	25	6	14	04H	0.93	<TS
112	B	25	6	12	02C	-0.84	<TS
113	B	25	36	10	04H	-0.85	<TS
114	B	25	40	10	04H	-0.83	<TS
115	B	25	52	10	03H	-0.93	<TS
116	B	25	58	15	02C	-0.96	<TS
117	B	25	64	13	DBH	-1.7	<TS
118	B	27	26	13	05H	1.15	<TS
119	B	27	64	15	DBH	-1.71	<TS
120	B	27	64	11	05H	-0.06	<TS
121	B	27	64	9	VS4	0.18	<TS
122	B	28	39	19	VS4	0.81	<TS
123	B	28	63	7	VS4	0.33	<TS
124	B	29	44	8	VS4	-0.07	<TS
125	B	29	58	9	VS4	-0.13	<TS
126	B	29	120	17	03H	0.9	<TS
127	B	29	156	13	03C	-1.03	<TS
128	B	29	156	11	02H	0.89	<TS
129	B	30	5	9	02H	-0.18	<TS
130	B	30	7	11	03C	0.85	<TS
131	B	30	9	13	02C	0.87	<TS
132	B	30	45	15	VS4	1.05	<TS
133	B	30	49	14	03H	0.04	<TS
134	B	30	51	10	02H	0.91	<TS
135	B	30	53	14	02C	0.88	<TS
136	B	30	57	12	03C	-0.81	<TS
137	B	30	111	11	03C	-0.98	<TS
138	B	30	115	13	02H	0.78	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
139	B	30	127	10	05C	0.86	<TS
140	B	30	163	9	02H	0.84	<TS
141	B	31	4	12	03C	-0.91	<TS
142	B	31	4	14	02C	-0.83	<TS
143	B	31	14	11	05H	-0.99	<TS
144	B	31	46	12	03C	0.78	<TS
145	B	31	50	13	03C	0.85	<TS
146	B	31	160	10	03C	0.94	<TS
147	B	31	160	13	02C	0.88	<TS
148	B	32	5	15	02C	0.87	<TS
149	B	32	5	12	04H	0.75	<TS
150	B	32	7	9	02H	0.84	<TS
151	B	32	13	14	03C	0.88	<TS
152	B	32	45	12	02H	0.93	<TS
153	B	32	45	12	03H	0.9	<TS
154	B	32	109	11	04C	0.83	<TS
155	B	32	151	12	VS4	1.11	<TS
156	B	32	157	13	DBH	1.47	<TS
157	B	33	4	12	01C	-0.86	<TS
158	B	33	32	11	04H	0.89	<TS
159	B	33	52	13	03C	0.83	<TS
160	B	33	150	12	02H	0.68	<TS
161	B	33	158	17	02C	0.92	<TS
162	B	33	160	13	02C	-0.94	<TS
163	B	33	162	14	03C	0.85	<TS
164	B	33	162	14	02C	-1.09	<TS
165	B	34	17	22	VS4	-0.83	<TS
166	B	34	43	11	03H	0.98	<TS
167	B	34	47	10	03H	-0.92	<TS
168	B	34	59	9	03H	-1.02	<TS
169	B	34	103	13	04H	-0.87	<TS
170	B	34	109	11	03C	0.85	<TS
171	B	34	133	18	03C	0.88	<TS
172	B	34	161	12	02C	0.85	<TS
173	B	35	4	15	01C	-0.92	<TS
174	B	35	6	11	03C	0.9	<TS
175	B	35	6	8	01H	-0.92	<TS
176	B	35	36	12	03H	0.97	<TS
177	B	35	36	19	VS4	0.79	<TS
178	B	35	42	17	05H	1.09	<TS
179	B	35	46	11	03H	-0.97	<TS
180	B	35	46	12	03H	1.02	<TS
181	B	35	46	11	03C	0.92	<TS
182	B	35	48	9	05H	-0.85	<TS
183	B	35	52	15	05C	0.91	<TS
184	B	35	56	12	03H	-0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
185	B	35	60	11	03H	-0.82	<TS
186	B	35	64	13	05H	0.94	<TS
187	B	36	5	18	03C	0.87	<TS
188	B	36	5	10	03C	0.04	<TS
189	B	36	41	12	03H	-0.94	<TS
190	B	36	49	10	04H	0.85	<TS
191	B	36	109	9	04C	0.9	<TS
192	B	36	113	15	03C	0.9	<TS
193	B	36	119	11	03C	-0.91	<TS
194	B	36	157	16	02C	-0.85	<TS
195	B	36	161	11	02H	0.96	<TS
196	B	36	161	11	04C	-0.11	<TS
197	B	37	6	14	01H	-0.82	<TS
198	B	37	6	19	03H	0.86	<TS
199	B	37	6	14	02C	-0.9	<TS
200	B	37	6	13	02C	-0.13	<TS
201	B	37	10	19	03C	-0.95	<TS
202	B	37	10	9	03C	-0.13	<TS
203	B	37	32	17	03H	0.75	<TS
204	B	37	36	9	03H	-0.95	<TS
205	B	37	46	12	04H	-0.82	<TS
206	B	37	48	13	02H	-0.86	<TS
207	B	37	50	13	02H	-0.86	<TS
208	B	37	54	19	02H	0.86	<TS
209	B	37	54	14	04C	0.81	<TS
210	B	37	150	12	05H	0.97	<TS
211	B	37	160	15	02H	0.83	<TS
212	B	38	5	9	02C	-0.94	<TS
213	B	38	9	15	03C	-0.95	<TS
214	B	38	13	16	VS4	0.64	<TS
215	B	38	39	13	02H	0.93	<TS
216	B	38	45	17	02C	0.2	<TS
217	B	38	45	11	01C	0.88	<TS
218	B	38	47	12	04C	0.86	<TS
219	B	38	49	16	VS4	0.15	<TS
220	B	38	49	24	VS4	0.64	<TS
221	B	38	51	10	02C	0.9	<TS
222	B	38	53	14	VS4	0.23	<TS
223	B	38	53	12	03H	-0.92	<TS
224	B	38	53	17	VS4	0.84	<TS
225	B	38	107	15	02C	0.85	<TS
226	B	38	111	12	04C	-0.9	<TS
227	B	38	115	10	04C	0.88	<TS
228	B	38	127	10	04C	0.18	<TS
229	B	38	127	15	02C	-0.9	<TS
230	B	38	129	10	02C	-0.46	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
231	B	38	161	21	02H	1.01	<TS
232	B	38	161	10	DBH	1.87	<TS
233	B	39	6	12	05H	0.97	<TS
234	B	39	8	11	03C	0.9	<TS
235	B	39	8	12	03C	-0.93	<TS
236	B	39	10	13	03C	0.88	<TS
237	B	39	22	11	DBC	1.47	<TS
238	B	39	50	13	VS4	-0.53	<TS
239	B	39	50	7	VS4	0.16	<TS
240	B	39	52	12	03H	-0.82	<TS
241	B	39	102	17	VS4	-0.75	<TS
242	B	39	116	36	VS4	0.9	<TS
243	B	39	116	16	VS4	-0.91	<TS
244	B	39	120	20	VS4	0.92	<TS
245	B	39	120	10	VS4	-0.94	<TS
246	B	39	122	14	VS4	0.9	<TS
247	B	39	122	13	02C	-0.88	<TS
248	B	39	134	22	VS4	-0.92	<TS
249	B	39	134	15	VS4	0.9	<TS
250	B	39	146	11	DBC	2	<TS
251	B	39	150	21	VS4	0.66	<TS
252	B	39	150	13	VS4	0.02	<TS
253	B	39	160	13	02H	0.93	<TS
254	B	40	5	19	02C	-0.92	<TS
255	B	40	25	10	05H	-0.82	<TS
256	B	40	31	15	03H	0.75	<TS
257	B	40	35	12	04H	-0.15	<TS
258	B	40	39	11	04H	-0.89	<TS
259	B	40	51	16	01H	0.86	<TS
260	B	40	55	11	03H	-0.74	<TS
261	B	40	115	16	04C	0.4	<TS
262	B	40	115	17	03C	0.53	<TS
263	B	40	117	18	03C	0.88	<TS
264	B	40	123	11	03C	-0.83	<TS
265	B	40	125	15	02C	-0.96	<TS
266	B	40	129	16	04C	-0.83	<TS
267	B	40	143	15	05H	0.84	<TS
268	B	41	6	14	01C	0.9	<TS
269	B	41	6	11	01C	-0.86	<TS
270	B	41	8	19	04C	0.88	<TS
271	B	41	12	8	05C	0.81	<TS
272	B	41	12	16	05C	0.07	<TS
273	B	41	14	27	VS4	0.07	<TS
274	B	41	14	13	VS4	0.59	<TS
275	B	41	28	11	05H	0.96	<TS
276	B	41	34	12	04H	0.89	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
277	B	41	36	14	03H	-0.38	<TS
278	B	41	40	10	02C	-0.09	<TS
279	B	41	48	11	03H	0.7	<TS
280	B	41	54	18	VS4	-0.83	<TS
281	B	41	54	34	VS4	0.94	<TS
282	B	41	56	12	02H	0.93	<TS
283	B	41	120	7	05C	0.81	<TS
284	B	41	128	8	04C	-0.15	<TS
285	B	41	128	14	04C	-0.88	<TS
286	B	41	130	12	05C	-0.91	<TS
287	B	41	132	12	03C	-0.59	<TS
288	B	41	132	14	02C	-0.48	<TS
289	B	41	132	16	04C	0.35	<TS
290	B	41	134	12	03C	0.88	<TS
291	B	42	37	14	VS4	-0.07	<TS
292	B	42	39	15	VS4	0	<TS
293	B	42	41	9	04H	-0.82	<TS
294	B	42	47	14	03H	-0.85	<TS
295	B	42	57	18	VS4	0.09	<TS
296	B	42	57	35	VS4	0.65	<TS
297	B	42	123	30	VS4	0.79	<TS
298	B	42	133	13	02H	-0.9	<TS
299	B	42	139	11	VS4	0.73	<TS
300	B	43	6	21	02C	-0.17	<TS
301	B	43	6	10	02C	-0.92	<TS
302	B	43	6	9	05H	-0.26	<TS
303	B	43	8	12	03C	0.87	<TS
304	B	43	40	12	02C	-0.9	<TS
305	B	43	42	14	05C	0.81	<TS
306	B	43	46	11	03C	-0.97	<TS
307	B	43	48	18	05C	0.87	<TS
308	B	43	126	17	04C	-0.85	<TS
309	B	43	134	14	03C	-0.92	<TS
310	B	43	160	13	01H	-0.84	<TS
311	B	44	21	22	VS4	-0.73	<TS
312	B	44	21	28	VS4	0.59	<TS
313	B	44	23	14	VS4	0.66	<TS
314	B	44	23	25	DBH	-1.78	<TS
315	B	44	27	23	VS4	-0.6	<TS
316	B	44	27	23	VS4	0.73	<TS
317	B	44	31	37	VS4	-0.69	<TS
318	B	44	31	20	VS4	0.13	<TS
319	B	44	31	15	02C	0.84	<TS
320	B	44	41	16	02C	-0.13	<TS
321	B	44	45	25	VS4	0.81	<TS
322	B	44	45	15	03C	0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
323	B	44	45	20	04C	0.48	<TS
324	B	44	53	10	VS4	-0.61	<TS
325	B	44	61	10	02H	-0.09	<TS
326	B	44	63	9	VS4	-0.88	<TS
327	B	44	63	20	VS4	0.88	<TS
328	B	44	101	14	04C	0.8	<TS
329	B	44	103	30	VS4	0.83	<TS
330	B	44	107	9	06C	-0.04	<TS
331	B	44	113	12	DBH	1.79	<TS
332	B	44	121	10	03C	0.94	<TS
333	B	44	127	20	02C	0.87	<TS
334	B	44	131	15	03C	1.01	<TS
335	B	44	159	13	01H	-0.97	<TS
336	B	45	6	21	02C	-0.15	<TS
337	B	45	6	23	02C	-0.96	<TS
338	B	45	8	9	01C	-0.13	<TS
339	B	45	16	10	DBH	-1.43	<TS
340	B	45	34	14	06H	1.1	<TS
341	B	45	36	24	VS4	0	<TS
342	B	45	36	17	VS4	0.61	<TS
343	B	45	36	13	04H	-0.86	<TS
344	B	45	38	16	VS4	0.02	<TS
345	B	45	38	11	VS4	-0.62	<TS
346	B	45	42	22	VS4	-0.81	<TS
347	B	45	42	17	VS4	0.94	<TS
348	B	45	56	13	03H	0.8	<TS
349	B	45	108	10	04C	-0.15	<TS
350	B	45	108	11	03H	0.16	<TS
351	B	45	110	11	02C	0.87	<TS
352	B	45	114	12	03C	0.85	<TS
353	B	45	118	15	06H	-0.09	<TS
354	B	45	122	22	VS4	-0.97	<TS
355	B	45	122	29	VS4	1.01	<TS
356	B	45	122	15	06C	-0.92	<TS
357	B	45	126	17	02C	0.92	<TS
358	B	45	128	13	03H	-0.89	<TS
359	B	45	132	14	VS4	0.79	<TS
360	B	45	140	15	DBH	-1.49	<TS
361	B	45	140	14	06C	-0.35	<TS
362	B	45	140	13	VS4	-0.78	<TS
363	B	45	140	27	VS4	0.78	<TS
364	B	45	148	15	06C	-0.57	<TS
365	B	45	160	9	01H	-0.87	<TS
366	B	45	160	11	01H	0.83	<TS
367	B	46	7	7	01C	0.86	<TS
368	B	46	7	19	01C	-0.15	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
369	B	46	23	17	VS4	-0.83	<TS
370	B	46	23	20	VS4	0.72	<TS
371	B	46	33	24	VS4	-0.71	<TS
372	B	46	33	10	VS4	0.04	<TS
373	B	46	37	11	02H	0.82	<TS
374	B	46	37	11	VS4	-0.85	<TS
375	B	46	37	18	VS4	0.78	<TS
376	B	46	37	12	DBC	-1.72	<TS
377	B	46	41	13	04H	0.91	<TS
378	B	46	47	12	02H	-0.06	<TS
379	B	46	59	11	03C	0.96	<TS
380	B	46	59	13	02H	0.84	<TS
381	B	46	103	15	04C	0.86	<TS
382	B	46	115	11	02C	0.9	<TS
383	B	46	125	10	02C	-0.88	<TS
384	B	46	129	12	03C	0.85	<TS
385	B	46	131	9	VS4	0.15	<TS
386	B	46	131	10	VS4	-0.82	<TS
387	B	46	131	11	VS4	0.82	<TS
388	B	46	135	10	VS4	-0.73	<TS
389	B	46	159	14	01C	0.13	<TS
390	B	47	8	8	01H	0.86	<TS
391	B	47	14	23	VS4	0.07	<TS
392	B	47	14	22	VS4	0.66	<TS
393	B	47	20	25	VS4	-0.9	<TS
394	B	47	20	27	VS4	0.9	<TS
395	B	47	40	12	06C	-0.84	<TS
396	B	47	46	19	VS4	-0.04	<TS
397	B	47	46	21	VS4	-0.7	<TS
398	B	47	46	11	VS4	0.87	<TS
399	B	47	48	13	06C	0.89	<TS
400	B	47	70	16	VS4	-0.81	<TS
401	B	47	96	10	06C	-0.04	PLG
402	B	47	96	22	VS4	0.76	<TS
403	B	47	96	18	VS4	-0.89	<TS
404	B	47	96	16	DBH	2	<TS
405	B	47	98	20	VS4	0.92	<TS
406	B	47	102	13	VS4	-0.92	<TS
407	B	47	108	25	06H	1.03	<TS
408	B	47	108	18	VS4	-1.03	<TS
409	B	47	108	19	VS4	-0.11	<TS
410	B	47	108	21	VS4	0.83	<TS
411	B	47	114	12	06C	0.99	<TS
412	B	47	116	13	04C	-0.95	<TS
413	B	47	126	30	VS4	-0.68	<TS
414	B	47	126	28	VS4	0.77	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
415	B	47	132	9	03C	-0.89	<TS
416	B	47	134	10	02C	-0.11	<TS
417	B	47	148	12	04C	0.75	<TS
418	B	47	156	8	01C	0.02	<TS
419	B	48	7	9	01H	0.88	<TS
420	B	48	39	11	04H	0.91	<TS
421	B	48	61	14	04H	0.82	<TS
422	B	48	67	17	VS4	-0.04	<TS
423	B	48	67	13	VS4	0.77	<TS
424	B	48	99	14	03C	0.82	<TS
425	B	48	107	12	02C	0.88	<TS
426	B	48	107	15	04C	0.85	<TS
427	B	48	111	16	04C	0.79	<TS
428	B	48	119	18	04C	-0.79	<TS
429	B	48	125	13	03C	0.97	<TS
430	B	48	129	12	03C	-0.15	<TS
431	B	48	133	9	04C	0.11	<TS
432	B	48	139	12	03H	0.93	<TS
433	B	48	141	10	03H	-0.96	<TS
434	B	48	159	12	01C	-1.06	<TS
435	B	48	159	10	01H	-0.92	<TS
436	B	49	8	23	VS4	0.85	<TS
437	B	49	8	9	DBC	-1.49	<TS
438	B	49	10	21	01C	0.89	<TS
439	B	49	12	7	DBC	1.91	<TS
440	B	49	26	11	03H	0.88	<TS
441	B	49	34	34	VS4	0.91	<TS
442	B	49	34	13	VS4	-0.89	<TS
443	B	49	46	22	VS4	-0.75	<TS
444	B	49	56	11	03H	-0.9	<TS
445	B	49	106	14	VS4	0.44	<TS
446	B	49	122	12	04C	0.77	<TS
447	B	49	132	14	03C	-0.9	<TS
448	B	49	158	15	01C	0.11	<TS
449	B	50	9	10	01C	-0.94	<TS
450	B	50	109	12	03C	0.85	<TS
451	B	50	127	13	03C	-0.94	<TS
452	B	50	157	18	01H	-0.85	<TS
453	B	50	159	12	01C	0.87	<TS
454	B	51	36	10	03C	0.84	<TS
455	B	51	36	13	03C	-0.91	<TS
456	B	51	58	12	01H	0.84	<TS
457	B	51	58	13	03H	0.86	<TS
458	B	51	64	17	02C	0.83	<TS
459	B	51	134	14	03C	-0.99	<TS
460	B	51	136	11	03C	-0.93	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
461	B	51	138	11	02C	-0.15	<TS
462	B	51	138	10	02C	-0.97	<TS
463	B	51	156	22	VS5	-0.7	<TS
464	B	52	11	9	01C	-0.2	<TS
465	B	52	11	8	01C	-0.92	<TS
466	B	52	25	12	02H	0.85	<TS
467	B	52	65	12	03C	0.86	<TS
468	B	52	107	14	02C	0.92	<TS
469	B	52	123	9	03C	0	<TS
470	B	52	125	9	03C	0.92	<TS
471	B	53	8	13	01C	0.87	<TS
472	B	53	32	14	05C	0.82	<TS
473	B	53	50	12	04H	0.93	<TS
474	B	53	56	12	03H	0.88	<TS
475	B	53	60	10	04H	0.87	<TS
476	B	53	80	18	03C	0.81	<TS
477	B	53	106	11	04C	0.83	<TS
478	B	53	108	11	03C	0.84	<TS
479	B	53	118	13	02C	-0.18	<TS
480	B	53	120	11	04C	0.77	<TS
481	B	53	128	13	03C	0.79	<TS
482	B	53	132	15	02C	0.92	<TS
483	B	53	134	11	03C	0.94	<TS
484	B	54	61	10	05H	1.1	<TS
485	B	54	69	8	03H	0.94	<TS
486	B	54	71	12	02H	0.98	<TS
487	B	54	103	11	04C	0.94	<TS
488	B	54	117	12	02C	0.88	<TS
489	B	54	121	13	04C	-0.9	<TS
490	B	55	56	11	03H	0.95	<TS
491	B	55	62	11	03C	0.07	<TS
492	B	55	64	17	02C	0.79	<TS
493	B	55	78	13	01C	0.85	<TS
494	B	55	78	11	04H	0.92	<TS
495	B	55	80	9	03H	0.92	<TS
496	B	55	86	12	06C	0.94	<TS
497	B	55	96	12	01C	0.91	<TS
498	B	55	114	13	03C	0.87	<TS
499	B	55	114	9	03C	0.13	<TS
500	B	55	120	13	04H	-0.86	<TS
501	B	55	126	13	03C	0.07	<TS
502	B	56	59	10	04H	0.96	<TS
503	B	56	77	9	02C	0.96	<TS
504	B	56	77	9	03H	-1	<TS
505	B	56	85	11	02C	-0.81	<TS
506	B	56	85	19	03C	0.92	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
507	B	56	97	17	04C	0.84	<TS
508	B	56	103	11	DBH	0.11	<TS
509	B	56	129	18	03C	0.89	<TS
510	B	56	129	11	03C	-0.91	<TS
511	B	56	145	16	04C	-0.78	<TS
512	B	56	151	12	06C	0.81	<TS
513	B	56	151	6	06C	0	<TS
514	B	57	16	6	06H	-0.98	<TS
515	B	57	16	12	06H	-0.13	<TS
516	B	57	26	13	06H	0.97	<TS
517	B	57	62	15	04H	0.89	<TS
518	B	57	62	9	02H	-0.69	<TS
519	B	57	78	11	03H	-0.96	<TS
520	B	57	80	13	03C	0.87	<TS
521	B	57	90	11	03C	-0.87	<TS
522	B	57	90	18	03C	0.87	<TS
523	B	57	118	10	03C	-0.2	<TS
524	B	57	120	9	05C	0.51	<TS
525	B	57	120	11	04C	-0.09	<TS
526	B	57	142	12	04C	0.88	<TS
527	B	57	144	13	04C	0.82	<TS
528	B	57	144	11	03C	0.86	<TS
529	B	57	148	11	04C	0.75	<TS
530	B	58	9	11	05H	0.99	<TS
531	B	58	25	9	06H	1.17	<TS
532	B	58	27	15	05H	0.99	<TS
533	B	58	47	14	03C	-0.96	<TS
534	B	58	57	11	06C	0.81	<TS
535	B	58	63	11	04H	0.8	<TS
536	B	58	65	9	04H	-0.09	<TS
537	B	58	71	13	04H	-0.92	<TS
538	B	58	71	7	04H	-0.21	<TS
539	B	58	117	12	06C	0.87	<TS
540	B	58	155	13	01C	-0.9	<TS
541	B	59	26	13	04H	1.01	<TS
542	B	59	26	12	03C	0.87	<TS
543	B	59	48	15	06H	1.06	<TS
544	B	59	48	20	03C	0.86	<TS
545	B	59	56	9	03H	0.23	<TS
546	B	59	66	15	02H	-0.91	<TS
547	B	59	70	10	03H	-0.88	<TS
548	B	59	72	12	03H	0.94	<TS
549	B	59	88	13	03C	0.89	<TS
550	B	59	116	11	03C	0.83	<TS
551	B	59	118	14	03C	-0.92	<TS
552	B	59	120	13	04H	-0.88	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
553	B	59	122	13	03C	-0.13	<TS
554	B	60	41	21	02H	-0.06	<TS
555	B	60	63	9	02H	-0.13	<TS
556	B	60	63	11	05H	0.93	<TS
557	B	60	63	11	03H	-0.9	<TS
558	B	60	71	10	03H	-0.88	<TS
559	B	60	81	12	02H	1.08	<TS
560	B	60	119	13	03C	0.88	<TS
561	B	60	133	16	03C	-0.87	<TS
562	B	61	12	13	06H	-0.14	<TS
563	B	61	28	10	04H	-0.95	<TS
564	B	61	28	15	DBC	2	<TS
565	B	61	48	12	03C	0.8	<TS
566	B	61	62	10	03H	-0.82	<TS
567	B	61	68	14	02H	-0.88	<TS
568	B	61	102	15	05C	-0.06	<TS
569	B	61	114	12	04C	0.78	<TS
570	B	61	120	15	02C	-0.91	<TS
571	B	61	124	14	02C	0.83	<TS
572	B	61	142	14	03C	0.94	<TS
573	B	61	144	12	06H	0.91	<TS
574	B	61	156	10	01H	0.93	<TS
575	B	62	11	11	04H	0.85	<TS
576	B	62	23	13	VS5	0.96	<TS
577	B	62	39	12	04H	-0.26	<TS
578	B	62	47	11	03C	0.86	<TS
579	B	62	53	9	06H	0.99	<TS
580	B	62	57	11	02H	-0.85	<TS
581	B	62	59	11	02C	0.87	<TS
582	B	62	111	13	03H	0.17	<TS
583	B	62	155	10	01H	-0.1	<TS
584	B	62	155	9	01H	-0.85	<TS
585	B	62	155	12	01H	0.57	<TS
586	B	63	28	10	06H	-0.95	<TS
587	B	63	56	11	03H	-0.9	<TS
588	B	63	56	9	04H	-0.82	<TS
589	B	63	56	14	03C	0.87	<TS
590	B	63	60	9	03C	-0.94	<TS
591	B	63	70	15	04H	0.96	<TS
592	B	63	76	12	03H	-0.89	<TS
593	B	63	78	9	03H	-0.34	<TS
594	B	63	82	23	VS5	1.04	<TS
595	B	63	82	11	VS5	-0.3	<TS
596	B	63	82	27	VS4	0.91	<TS
597	B	63	86	11	02C	-0.8	<TS
598	B	63	106	14	03H	0.89	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
599	B	63	110	13	03H	-0.21	<TS
600	B	63	114	11	03C	0.99	<TS
601	B	63	114	13	03C	0.11	<TS
602	B	63	124	12	04C	-0.91	<TS
603	B	63	128	15	06C	0.72	<TS
604	B	63	136	16	03C	0.87	<TS
605	B	63	138	15	03C	0.76	<TS
606	B	63	140	17	03C	0.83	<TS
607	B	63	140	13	06C	-0.24	<TS
608	B	63	146	13	06C	0.9	<TS
609	B	64	35	10	DBC	-1.97	<TS
610	B	64	37	12	06H	-0.32	<TS
611	B	64	59	18	01C	0.19	<TS
612	B	64	61	12	04H	0.9	<TS
613	B	64	81	10	06H	-0.87	<TS
614	B	64	103	11	04C	0.87	<TS
615	B	64	111	12	03H	1.02	<TS
616	B	64	121	13	03C	0.91	<TS
617	B	64	153	10	01C	-0.9	<TS
618	B	65	16	10	06H	-0.14	<TS
619	B	65	32	11	VS3	-0.9	<TS
620	B	65	62	15	04H	-0.92	<TS
621	B	65	110	18	03H	0.98	<TS
622	B	65	118	11	02C	0.86	<TS
623	B	65	122	12	06C	0.86	<TS
624	B	65	122	11	02C	0.76	<TS
625	B	65	130	12	03C	0.85	<TS
626	B	66	17	14	06H	0.84	<TS
627	B	66	17	9	06C	0.82	<TS
628	B	66	21	21	06H	0.55	<TS
629	B	66	29	10	06C	-0.9	<TS
630	B	66	31	9	06C	0.85	<TS
631	B	66	35	14	06C	0.86	<TS
632	B	66	35	15	DBC	1.71	<TS
633	B	66	39	13	VS5	-0.88	<TS
634	B	66	39	10	04H	-0.61	<TS
635	B	66	41	12	VS4	-0.85	<TS
636	B	66	45	11	06C	0.9	<TS
637	B	66	47	10	06C	-0.15	<TS
638	B	66	47	10	06C	-0.94	<TS
639	B	66	51	12	06H	0.96	<TS
640	B	66	51	11	06C	0.85	<TS
641	B	66	51	12	04C	-0.18	<TS
642	B	66	59	11	04C	0.87	<TS
643	B	66	97	12	01C	0.68	<TS
644	B	66	105	14	VS5	0.89	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
645	B	66	107	13	02H	-0.86	<TS
646	B	66	125	14	02C	0.85	<TS
647	B	66	137	8	03C	0.87	<TS
648	B	66	137	6	03C	0.02	<TS
649	B	66	149	17	06H	0.97	<TS
650	B	66	153	11	04C	-0.96	<TS
651	B	67	36	12	06H	0.87	<TS
652	B	67	46	11	DBC	1.97	<TS
653	B	67	52	11	04H	0.91	<TS
654	B	67	56	9	02H	0.92	<TS
655	B	67	56	10	02C	0.87	<TS
656	B	67	56	11	04H	-0.93	<TS
657	B	67	56	13	03C	0.89	<TS
658	B	67	58	17	03C	1.01	<TS
659	B	67	58	6	03C	0.09	<TS
660	B	67	62	15	03C	0.87	<TS
661	B	67	62	13	02C	-0.11	<TS
662	B	67	74	12	04H	-0.9	<TS
663	B	67	76	11	02H	-0.88	<TS
664	B	67	78	10	03H	0.95	<TS
665	B	67	96	12	06C	-0.13	<TS
666	B	67	104	21	06C	-0.09	<TS
667	B	67	104	9	04H	0.84	<TS
668	B	67	104	11	03H	0.91	<TS
669	B	67	108	12	03H	0.91	<TS
670	B	67	112	16	02C	-0.87	<TS
671	B	67	128	13	06H	0.26	<TS
672	B	67	134	24	06C	-0.99	<TS
673	B	67	134	13	03C	0.87	<TS
674	B	67	138	22	03C	0.85	<TS
675	B	67	138	17	03C	0.11	<TS
676	B	67	148	16	DBH	1.69	<TS
677	B	67	150	19	VS3	0.85	<TS
678	B	67	150	17	VS3	-0.7	<TS
679	B	68	17	11	04H	0.85	<TS
680	B	68	41	16	04H	0.95	<TS
681	B	68	45	10	DBC	-1.55	<TS
682	B	68	85	12	02C	-0.88	<TS
683	B	68	91	10	03C	-0.9	<TS
684	B	68	93	11	04C	-0.17	<TS
685	B	68	93	14	04C	-0.96	<TS
686	B	68	107	10	02H	0.98	<TS
687	B	68	109	14	02H	0.9	<TS
688	B	68	113	14	03H	0.95	<TS
689	B	68	113	11	04H	-0.78	<TS
690	B	68	113	20	04H	0.83	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
691	B	68	117	16	04H	0.79	<TS
692	B	68	143	17	06H	0.85	<TS
693	B	68	151	8	06H	-0.13	<TS
694	B	69	16	9	06H	0.82	<TS
695	B	69	28	12	06H	-0.84	<TS
696	B	69	28	14	06C	0.89	<TS
697	B	69	28	11	06H	-0.15	<TS
698	B	69	34	12	06C	0.83	<TS
699	B	69	34	15	06C	-0.94	<TS
700	B	69	36	13	DBC	1.73	<TS
701	B	69	36	11	04C	0.79	<TS
702	B	69	48	9	04C	0.15	<TS
703	B	69	56	14	VS5	-0.88	<TS
704	B	69	56	15	VS3	0.75	<TS
705	B	69	56	11	VS3	0.04	<TS
706	B	69	66	12	02H	0.89	<TS
707	B	69	72	16	06C	-0.89	<TS
708	B	69	102	12	03H	0.91	<TS
709	B	69	106	11	06H	-0.88	<TS
710	B	69	110	12	03C	0.85	<TS
711	B	69	114	12	04H	0.9	<TS
712	B	69	120	12	03C	0.11	<TS
713	B	69	120	16	03C	0.71	<TS
714	B	69	122	8	04H	0.97	<TS
715	B	69	124	13	03C	-0.91	<TS
716	B	69	126	14	03H	0.79	<TS
717	B	69	128	13	03C	0.94	<TS
718	B	69	132	15	04H	0.99	<TS
719	B	69	134	15	VS5	-0.81	<TS
720	B	69	134	8	VS5	0.78	<TS
721	B	69	140	19	VS5	-0.85	<TS
722	B	69	140	10	VS5	0.83	<TS
723	B	69	144	25	VS5	-0.8	<TS
724	B	70	31	11	06C	0.83	<TS
725	B	70	45	13	03H	0.79	<TS
726	B	70	51	12	03C	0.92	<TS
727	B	70	75	18	03H	-0.41	<TS
728	B	70	83	10	02C	0.9	<TS
729	B	70	115	14	04H	0.86	<TS
730	B	70	117	10	03C	-0.78	<TS
731	B	70	129	17	06C	-0.94	<TS
732	B	70	141	19	VS3	-0.89	<TS
733	B	70	143	11	DBC	1.39	<TS
734	B	70	153	20	03C	0	<TS
735	B	71	14	14	02H	-0.61	<TS
736	B	71	20	17	DBH	-1.56	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
737	B	71	20	16	VS5	0.94	<TS
738	B	71	20	14	DBC	1.58	<TS
739	B	71	36	19	VS4	0.79	<TS
740	B	71	36	12	VS5	-0.72	<TS
741	B	71	36	23	VS5	-0.02	<TS
742	B	71	36	9	DBC	-1.81	<TS
743	B	71	36	8	DBC	2.05	<TS
744	B	71	38	16	05H	0.97	<TS
745	B	71	42	11	04H	-0.93	<TS
746	B	71	52	14	03C	0.89	<TS
747	B	71	52	12	02C	-0.93	<TS
748	B	71	58	10	02C	-0.06	<TS
749	B	71	62	13	03C	-0.15	<TS
750	B	71	62	10	02C	-0.15	<TS
751	B	71	80	11	03C	0.12	<TS
752	B	71	86	14	02C	-0.9	<TS
753	B	71	86	9	02C	-0.13	<TS
754	B	71	102	12	05C	0.94	<TS
755	B	71	104	12	02H	0.89	<TS
756	B	71	110	13	04H	-0.77	<TS
757	B	71	116	12	03C	-0.89	<TS
758	B	71	118	10	02C	0	<TS
759	B	71	132	12	VS5	0.82	<TS
760	B	71	136	11	06C	-0.2	<TS
761	B	71	136	18	06C	-0.98	<TS
762	B	71	142	9	06H	-0.93	<TS
763	B	71	144	28	VS3	-0.92	<TS
764	B	71	144	17	VS3	0.94	<TS
765	B	71	144	13	DBH	1.6	<TS
766	B	71	146	12	06H	0.17	<TS
767	B	71	146	14	VS4	0.85	<TS
768	B	71	146	28	VS5	-0.85	<TS
769	B	72	25	21	VS3	-0.7	<TS
770	B	72	25	10	VS3	-0.13	<TS
771	B	72	41	22	06C	0.94	<TS
772	B	72	47	12	03C	-0.95	<TS
773	B	72	49	28	03C	0.96	<TS
774	B	72	59	14	04C	0.93	<TS
775	B	72	61	15	02C	0.9	<TS
776	B	72	85	13	05C	0.95	<TS
777	B	72	85	11	03C	0.87	<TS
778	B	72	91	11	02C	0.89	<TS
779	B	72	109	12	03H	-0.82	<TS
780	B	72	113	11	04H	0.94	<TS
781	B	72	113	11	04C	0.89	<TS
782	B	72	113	13	02H	-0.82	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
783	B	72	113	9	02H	0.91	<TS
784	B	72	125	21	06C	0.89	<TS
785	B	73	14	10	VS4	-1.05	<TS
786	B	73	14	10	VS4	0.11	<TS
787	B	73	40	11	05H	1.08	<TS
788	B	73	46	11	04C	-0.89	<TS
789	B	73	58	14	06C	-0.15	<TS
790	B	73	58	11	02C	-0.09	<TS
791	B	73	104	15	06C	-0.98	<TS
792	B	73	132	14	06H	0.98	<TS
793	B	74	23	17	VS3	-0.95	<TS
794	B	74	23	13	VS4	-0.64	<TS
795	B	74	23	12	DBC	1.58	<TS
796	B	74	29	11	05H	0.92	<TS
797	B	74	35	15	DBH	1.62	<TS
798	B	74	37	15	06H	1.1	<TS
799	B	74	37	11	04C	-0.9	<TS
800	B	74	37	9	DBC	1.75	<TS
801	B	74	43	13	VS3	-0.95	<TS
802	B	74	43	19	VS4	-0.66	<TS
803	B	74	45	16	VS5	-0.73	<TS
804	B	74	47	8	06C	0.07	<TS
805	B	74	51	11	03C	-0.9	<TS
806	B	74	55	17	04C	0.81	<TS
807	B	74	55	12	04C	-0.96	<TS
808	B	74	71	13	03H	0.87	<TS
809	B	74	107	12	04H	-0.89	<TS
810	B	74	111	14	02C	-0.91	<TS
811	B	74	115	12	04C	0.87	<TS
812	B	74	117	12	VS3	-1.02	<TS
813	B	74	119	14	03H	0.86	<TS
814	B	74	119	15	04H	0.9	<TS
815	B	74	141	17	VS5	-0.7	<TS
816	B	75	16	14	02H	0.87	<TS
817	B	75	16	13	06H	0.84	<TS
818	B	75	24	13	VS3	0.09	<TS
819	B	75	24	16	VS3	0.79	<TS
820	B	75	24	11	VS4	0.83	<TS
821	B	75	42	15	04C	0.95	<TS
822	B	75	54	11	04C	0.78	<TS
823	B	75	60	15	03C	0.87	<TS
824	B	75	84	8	02C	0.82	<TS
825	B	75	84	14	02C	-0.78	<TS
826	B	75	102	12	04H	0.85	<TS
827	B	75	104	20	03H	0.91	<TS
828	B	75	106	10	02H	0.97	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
829	B	75	106	13	02H	-0.86	<TS
830	B	75	110	14	04C	-0.93	<TS
831	B	75	112	12	03H	-0.83	<TS
832	B	75	132	10	06H	-0.89	<TS
833	B	75	132	10	DBH	-1.85	<TS
834	B	75	150	12	04C	0.83	<TS
835	B	76	25	13	06H	0.92	<TS
836	B	76	27	8	06H	-0.84	<TS
837	B	76	29	6	DBC	1.66	<TS
838	B	76	35	18	DBH	1.93	<TS
839	B	76	41	16	03C	-0.46	<TS
840	B	76	41	10	05C	-0.91	<TS
841	B	76	51	19	VS3	0.8	<TS
842	B	76	53	9	03C	-0.09	<TS
843	B	76	55	15	DBH	1.7	<TS
844	B	76	59	14	VS3	-0.93	<TS
845	B	76	59	15	05H	0.92	<TS
846	B	76	65	11	VS4	-0.24	<TS
847	B	76	73	9	02H	0	<TS
848	B	76	111	14	04C	0.82	<TS
849	B	76	113	11	04H	0.21	<TS
850	B	76	115	6	03H	-0.13	<TS
851	B	76	121	16	04C	0.87	<TS
852	B	76	123	11	03H	0.79	<TS
853	B	76	135	13	VS5	0.85	<TS
854	B	76	141	22	DBH	1.93	<TS
855	B	76	151	13	04C	0.87	<TS
856	B	77	34	11	VS3	0.07	<TS
857	B	77	34	22	VS3	0.79	<TS
858	B	77	50	10	05H	-0.83	<TS
859	B	77	56	11	DBH	0.93	<TS
860	B	77	104	16	05C	0.87	<TS
861	B	77	104	15	05H	0.8	<TS
862	B	77	116	12	04H	-0.89	<TS
863	B	77	122	12	03H	0.93	<TS
864	B	78	23	15	DBH	-1.95	<TS
865	B	78	33	12	03C	0.81	<TS
866	B	78	47	17	02C	0.9	<TS
867	B	78	57	21	03C	0.97	<TS
868	B	78	61	18	VS3	-0.96	<TS
869	B	78	81	13	03H	0.84	<TS
870	B	78	87	15	03C	-0.91	<TS
871	B	78	91	15	07H	1.31	<TS
872	B	78	105	12	02H	-0.93	<TS
873	B	78	109	12	02H	-0.83	<TS
874	B	78	109	8	03H	0.11	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
875	B	78	109	12	03H	0.93	<TS
876	B	78	137	9	04C	-0.89	<TS
877	B	79	24	12	VS3	-0.9	<TS
878	B	79	24	26	VS4	0.72	<TS
879	B	79	24	10	VS3	0.92	<TS
880	B	79	24	24	VS4	0.04	<TS
881	B	79	44	10	04C	-0.88	<TS
882	B	79	44	10	03C	0.86	<TS
883	B	79	52	13	02C	-0.07	<TS
884	B	79	54	10	03C	0.81	<TS
885	B	79	60	11	03C	-0.89	<TS
886	B	79	62	11	04C	-0.98	<TS
887	B	79	62	11	02C	-0.11	<TS
888	B	79	86	11	03C	0.96	<TS
889	B	79	86	16	03H	0.85	<TS
890	B	79	108	17	05H	0.75	<TS
891	B	79	122	17	03H	0.8	<TS
892	B	79	128	13	03C	0.82	<TS
893	B	79	150	12	03C	-0.94	<TS
894	B	80	17	29	DBH	1.71	<TS
895	B	80	49	13	VS4	-0.94	<TS
896	B	80	49	10	VS4	0.83	<TS
897	B	80	95	18	04H	0.87	<TS
898	B	80	95	11	02H	0.87	<TS
899	B	80	95	15	03H	0.94	<TS
900	B	80	115	17	VS4	-0.84	<TS
901	B	80	115	11	VS3	1.03	<TS
902	B	80	129	12	03H	0.85	<TS
903	B	80	145	29	VS4	-0.68	<TS
904	B	80	145	12	VS5	-0.9	<TS
905	B	80	145	15	VS5	0.7	<TS
906	B	80	149	14	01H	-0.79	<TS
907	B	81	22	25	VS3	0.83	<TS
908	B	81	22	26	VS4	0.78	<TS
909	B	81	24	14	VS3	-0.58	<TS
910	B	81	24	12	VS3	1.08	<TS
911	B	81	60	15	03C	0.8	<TS
912	B	81	92	11	02C	-1.04	<TS
913	B	81	110	11	03H	0.91	<TS
914	B	81	112	12	02H	0.91	<TS
915	B	81	114	11	03H	0.97	<TS
916	B	81	124	12	03C	-0.89	<TS
917	B	81	126	20	07C	1.06	<TS
918	B	81	148	16	04C	0.9	<TS
919	B	81	148	9	03C	0.94	<TS
920	B	82	19	13	03H	0.98	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
921	B	82	19	13	04H	0.99	<TS
922	B	82	41	20	VS3	0.96	<TS
923	B	82	43	11	VS4	-0.81	<TS
924	B	82	43	12	VS4	-0.02	<TS
925	B	82	43	16	VS4	0.74	<TS
926	B	82	53	11	05C	0.92	<TS
927	B	82	59	12	02C	0.89	<TS
928	B	82	79	14	04H	0.92	<TS
929	B	82	91	13	04C	-0.84	<TS
930	B	82	105	10	02H	0.89	<TS
931	B	82	129	15	DBH	1.91	<TS
932	B	82	137	15	DBH	1.59	<TS
933	B	82	143	18	VS4	-0.85	<TS
934	B	82	143	26	VS3	-0.89	<TS
935	B	83	26	7	06H	-0.95	<TS
936	B	83	28	20	VS6	-0.82	<TS
937	B	83	28	17	VS6	1.15	<TS
938	B	83	54	12	04H	0.86	<TS
939	B	83	64	14	03C	0.92	<TS
940	B	83	78	13	01C	0.87	<TS
941	B	83	78	11	02C	0.79	<TS
942	B	83	106	12	03H	0.86	<TS
943	B	83	114	12	02H	0.9	<TS
944	B	83	130	11	DBH	1.76	<TS
945	B	83	130	10	DBC	-1.61	<TS
946	B	84	19	18	07H	-0.99	<TS
947	B	84	49	11	04C	-0.94	<TS
948	B	84	55	15	02C	0.94	<TS
949	B	84	73	11	04H	0.9	<TS
950	B	84	77	11	05C	-0.96	<TS
951	B	84	79	10	03H	0.92	<TS
952	B	84	81	11	02C	0.86	<TS
953	B	84	87	12	03H	0.77	<TS
954	B	84	87	11	04C	0.83	<TS
955	B	84	93	16	02C	-0.85	<TS
956	B	84	103	7	04C	0.35	<TS
957	B	84	107	14	02H	-0.84	<TS
958	B	84	111	12	04H	-0.96	<TS
959	B	84	111	10	05H	0.9	<TS
960	B	84	125	14	VS2	-0.85	<TS
961	B	84	145	15	03C	-0.81	<TS
962	B	84	147	27	DBH	1.54	<TS
963	B	84	147	10	07H	0.77	<TS
964	B	85	20	13	VS4	1.17	<TS
965	B	85	20	11	VS4	-0.79	<TS
966	B	85	36	14	04H	-0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
967	B	85	78	13	05H	1.09	<TS
968	B	85	80	10	01H	0.88	<TS
969	B	85	110	15	04C	0.89	<TS
970	B	85	112	17	03H	0.67	<TS
971	B	85	142	17	03C	-0.79	<TS
972	B	85	144	15	03C	-1.14	<TS
973	B	85	146	14	04C	-0.85	<TS
974	B	85	146	12	03C	-0.94	<TS
975	B	86	21	12	01C	-0.94	<TS
976	B	86	31	13	06H	0.83	<TS
977	B	86	33	11	06H	0.91	<TS
978	B	86	51	15	03C	0.96	<TS
979	B	86	61	7	02C	0.15	<TS
980	B	86	67	11	03C	-0.91	<TS
981	B	86	79	13	04H	0.97	<TS
982	B	86	89	15	03C	1.08	<TS
983	B	86	91	9	03C	-0.89	<TS
984	B	86	111	14	04C	-0.88	<TS
985	B	86	145	14	03C	0.92	<TS
986	B	87	30	11	04H	1.04	<TS
987	B	87	62	12	04C	-0.96	<TS
988	B	87	74	13	07H	0.87	<TS
989	B	87	82	17	03H	0.84	<TS
990	B	87	84	13	02C	0.92	<TS
991	B	87	88	17	04C	-0.72	<TS
992	B	87	116	13	04C	0.84	<TS
993	B	87	146	29	03C	0.78	<TS
994	B	88	23	10	04H	0.87	<TS
995	B	88	23	7	04H	-0.9	<TS
996	B	88	27	27	DBH	2.16	<TS
997	B	88	27	11	04H	0.84	<TS
998	B	88	29	12	06H	0.98	<TS
999	B	88	67	11	VS2	-0.78	<TS
1000	B	88	67	12	VS2	0.76	<TS
1001	B	88	79	14	07C	0.87	<TS
1002	B	88	87	11	05C	0.9	<TS
1003	B	88	95	20	03C	0.93	<TS
1004	B	88	107	14	04C	-0.87	<TS
1005	B	88	117	11	04C	-0.89	<TS
1006	B	88	133	9	04H	0	<TS
1007	B	89	38	13	VS2	-0.99	<TS
1008	B	89	38	9	05H	-0.94	<TS
1009	B	89	42	11	VS6	0.81	<TS
1010	B	89	54	11	06H	-0.89	<TS
1011	B	89	60	18	04C	-0.92	<TS
1012	B	89	78	13	07C	0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1013	B	89	82	13	07C	0.82	<TS
1014	B	89	84	17	03H	0.91	<TS
1015	B	89	92	13	04C	0.02	<TS
1016	B	89	100	11	03H	0.83	<TS
1017	B	89	104	10	05C	-0.89	<TS
1018	B	89	104	11	04H	0.84	<TS
1019	B	89	134	14	04H	0.9	<TS
1020	B	89	144	13	01H	-0.88	<TS
1021	B	90	23	12	VS4	-0.7	<TS
1022	B	90	55	15	02C	0	<TS
1023	B	90	55	12	02C	-0.87	<TS
1024	B	90	57	13	02C	0.91	<TS
1025	B	90	65	13	03C	0.92	<TS
1026	B	90	69	12	07H	-1	<TS
1027	B	90	87	11	02C	-0.1	<TS
1028	B	90	89	10	03H	0.88	<TS
1029	B	90	95	13	04C	0.97	<TS
1030	B	90	97	15	04C	0.85	<TS
1031	B	90	115	13	03H	-0.87	<TS
1032	B	90	115	11	03H	0.15	<TS
1033	B	90	127	15	04H	-0.89	<TS
1034	B	90	131	10	07H	0.97	<TS
1035	B	91	22	26	VS6	1.01	<TS
1036	B	91	26	12	02C	0.88	<TS
1037	B	91	32	15	02C	-0.94	<TS
1038	B	91	38	10	03H	-0.85	<TS
1039	B	91	54	13	02C	0.96	<TS
1040	B	91	58	15	03C	0.8	<TS
1041	B	91	60	10	04C	-0.92	<TS
1042	B	91	60	12	03C	-0.91	<TS
1043	B	91	64	18	03C	-0.89	<TS
1044	B	91	70	10	04H	0.9	<TS
1045	B	91	70	13	06C	-0.89	<TS
1046	B	91	88	16	04H	-0.85	<TS
1047	B	91	88	10	03C	0.91	<TS
1048	B	91	94	13	06C	-0.85	<TS
1049	B	91	124	17	04C	0.89	<TS
1050	B	91	140	9	04H	0.94	<TS
1051	B	92	23	10	03H	-0.83	<TS
1052	B	92	23	11	02C	0.86	<TS
1053	B	92	23	8	VS4	-0.98	<TS
1054	B	92	23	10	VS4	0.74	<TS
1055	B	92	23	13	02C	-0.55	<TS
1056	B	92	35	9	05H	0.95	<TS
1057	B	92	49	15	05H	0.92	<TS
1058	B	92	55	12	03C	0.87	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1059	B	92	57	13	04H	0.97	<TS
1060	B	92	61	12	03C	-0.89	<TS
1061	B	92	69	14	04C	0.86	<TS
1062	B	92	75	11	05H	1.03	<TS
1063	B	92	83	20	05H	0.85	<TS
1064	B	92	85	12	03H	-0.89	<TS
1065	B	92	89	14	04H	0.8	<TS
1066	B	92	97	16	04C	0.92	<TS
1067	B	92	97	8	04C	0.17	<TS
1068	B	92	105	10	04C	-0.9	<TS
1069	B	92	111	11	07C	0.89	<TS
1070	B	93	80	13	03C	-0.89	<TS
1071	B	93	104	12	04H	-0.89	<TS
1072	B	93	112	11	03H	0.96	<TS
1073	B	93	112	13	VS6	0.85	<TS
1074	B	93	130	13	04H	0.77	<TS
1075	B	93	132	15	04H	0.85	<TS
1076	B	93	136	12	03C	0.85	<TS
1077	B	94	53	12	05H	-0.84	<TS
1078	B	94	57	13	02C	0.91	<TS
1079	B	94	57	10	03C	0.91	<TS
1080	B	94	81	13	02C	0.94	<TS
1081	B	94	93	12	04C	-0.14	<TS
1082	B	94	93	9	04C	-0.91	<TS
1083	B	94	93	10	03C	-0.88	<TS
1084	B	94	101	15	06H	-0.96	<TS
1085	B	94	115	15	04C	-0.87	<TS
1086	B	94	129	16	04H	1.02	<TS
1087	B	95	24	11	VS4	-0.15	<TS
1088	B	95	24	9	VS4	0.57	<TS
1089	B	95	24	16	VS4	-0.67	<TS
1090	B	95	70	15	VS6	-0.83	<TS
1091	B	95	70	11	04H	0.88	<TS
1092	B	95	84	8	07C	0.13	<TS
1093	B	95	84	16	07C	0.79	<TS
1094	B	95	88	13	02C	0.98	<TS
1095	B	95	102	18	05H	0.89	<TS
1096	B	95	104	13	03C	0.19	<TS
1097	B	95	106	20	04C	-0.87	<TS
1098	B	95	116	17	VS2	-1.04	<TS
1099	B	95	126	13	04H	0.88	<TS
1100	B	95	136	15	03C	-0.39	<TS
1101	B	95	138	36	VS4	0.91	<TS
1102	B	95	138	12	03C	0.85	<TS
1103	B	95	138	23	VS4	-0.67	<TS
1104	B	95	140	12	03C	-1	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1105	B	95	142	18	VS4	0.93	<TS
1106	B	96	25	10	02H	-0.98	<TS
1107	B	96	53	13	05H	0.87	<TS
1108	B	96	57	13	02H	0.86	<TS
1109	B	96	61	14	02H	0.86	<TS
1110	B	96	65	12	04C	0.93	<TS
1111	B	96	65	12	02C	0.95	<TS
1112	B	96	71	12	04H	-0.87	<TS
1113	B	96	71	7	04H	-0.13	<TS
1114	B	96	79	11	VS2	0.65	<TS
1115	B	96	95	21	VS2	-1.01	<TS
1116	B	96	95	14	VS2	0.11	<TS
1117	B	96	95	18	VS2	0.89	<TS
1118	B	96	103	13	04C	0.82	<TS
1119	B	96	133	8	04H	-0.13	<TS
1120	B	96	133	8	03H	-0.79	<TS
1121	B	96	137	17	04C	-0.15	<TS
1122	B	96	137	12	03C	0.87	<TS
1123	B	96	137	25	VS4	1.16	<TS
1124	B	96	137	15	VS4	0	<TS
1125	B	96	139	21	03C	-0.84	<TS
1126	B	96	139	8	03C	0.76	<TS
1127	B	96	141	19	VS4	1.05	<TS
1128	B	97	28	20	03C	0.86	<TS
1129	B	97	38	9	05H	0.86	<TS
1130	B	97	42	14	VS2	-0.85	<TS
1131	B	97	54	10	07C	0.89	<TS
1132	B	97	60	15	06C	0.95	<TS
1133	B	97	72	18	04H	0.85	<TS
1134	B	97	84	10	07C	-0.09	<TS
1135	B	97	84	16	07C	-0.9	<TS
1136	B	97	86	12	03C	0.93	<TS
1137	B	97	100	13	VS2	0.74	<TS
1138	B	97	126	11	VS2	-0.87	<TS
1139	B	97	130	14	04H	0.92	<TS
1140	B	97	140	12	03H	0.77	<TS
1141	B	97	140	10	DBH	1.7	<TS
1142	B	97	140	12	VS4	-0.94	<TS
1143	B	98	27	17	04C	-1.05	<TS
1144	B	98	27	14	VS4	-1.03	<TS
1145	B	98	39	14	VS4	0.77	<TS
1146	B	98	41	25	VS4	0.81	<TS
1147	B	98	51	9	04H	0.88	<TS
1148	B	98	59	14	VS2	-0.85	<TS
1149	B	98	59	13	VS2	0.94	<TS
1150	B	98	71	13	VS2	0.96	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1151	B	98	71	10	VS2	-0.85	<TS
1152	B	98	79	11	03C	0.91	<TS
1153	B	98	79	9	03C	0.13	<TS
1154	B	98	81	17	VS2	0.84	<TS
1155	B	98	93	16	03C	1.03	<TS
1156	B	98	133	15	02C	0.83	<TS
1157	B	98	135	24	VS4	-0.84	<TS
1158	B	98	135	23	VS4	0.95	<TS
1159	B	98	139	10	03C	-0.96	<TS
1160	B	98	139	13	04H	-0.15	<TS
1161	B	98	139	9	DBH	-2.06	<TS
1162	B	99	32	12	02C	0.92	<TS
1163	B	99	40	10	02H	0.88	<TS
1164	B	99	44	10	05H	0.94	<TS
1165	B	99	50	20	05H	0.45	<TS
1166	B	99	52	11	03C	0.89	<TS
1167	B	99	86	11	VS6	0.09	<TS
1168	B	99	132	22	VS2	-0.76	<TS
1169	B	99	132	15	VS2	-0.13	<TS
1170	B	99	132	26	VS2	0.74	<TS
1171	B	99	136	17	04C	0.85	<TS
1172	B	99	138	6	DBH	1.98	<TS
1173	B	100	27	21	VS4	-1.03	<TS
1174	B	100	27	11	VS4	0.85	<TS
1175	B	100	29	15	03C	0.84	<TS
1176	B	100	115	10	03C	0.64	<TS
1177	B	100	121	14	06C	0.91	<TS
1178	B	100	125	12	DBC	-1.36	<TS
1179	B	100	125	16	VS6	0.02	<TS
1180	B	100	125	26	VS6	0.85	<TS
1181	B	100	135	15	03H	0.88	<TS
1182	B	101	28	14	VS4	-0.83	<TS
1183	B	101	28	11	VS4	-0.17	<TS
1184	B	101	30	10	03H	-0.94	<TS
1185	B	101	30	18	04C	0.88	<TS
1186	B	101	30	10	02C	0.9	<TS
1187	B	101	30	10	03C	0.86	<TS
1188	B	101	30	19	03C	-0.9	<TS
1189	B	101	32	21	VS2	0.81	<TS
1190	B	101	32	8	VS4	0.88	<TS
1191	B	101	36	11	05H	0.97	<TS
1192	B	101	36	9	03C	0.92	<TS
1193	B	101	54	17	02C	0.82	<TS
1194	B	101	78	9	05H	0.92	<TS
1195	B	101	98	16	04C	-0.88	<TS
1196	B	101	136	16	03H	0.9	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1197	B	101	138	9	03H	0.86	<TS
1198	B	101	138	11	VS4	-1.02	<TS
1199	B	102	29	11	04C	0.87	<TS
1200	B	102	31	17	02C	-0.94	<TS
1201	B	102	33	21	03C	-0.9	<TS
1202	B	102	35	20	03C	0.9	<TS
1203	B	102	37	10	02C	-0.92	<TS
1204	B	102	41	16	06H	0.89	<TS
1205	B	102	41	10	06H	-1.03	<TS
1206	B	102	51	15	07C	0.96	<TS
1207	B	102	93	10	04C	-0.12	<TS
1208	B	102	93	9	04C	-0.95	<TS
1209	B	102	99	16	07C	0.85	<TS
1210	B	102	99	9	07C	0.11	<TS
1211	B	102	113	10	DBH	2	<TS
1212	B	102	123	9	04H	0.81	<TS
1213	B	102	131	12	DBC	1.25	<TS
1214	B	103	30	11	01C	0.09	<TS
1215	B	103	30	11	06C	-0.9	<TS
1216	B	103	36	13	07C	0.89	<TS
1217	B	103	36	11	07H	1	<TS
1218	B	103	38	13	02C	-0.92	<TS
1219	B	103	48	12	07C	-0.02	<TS
1220	B	103	62	15	03C	0.85	<TS
1221	B	103	64	25	VS2	0.89	<TS
1222	B	103	94	19	VS2	-0.74	<TS
1223	B	103	100	15	07C	0.87	<TS
1224	B	103	120	14	03H	0.87	<TS
1225	B	103	120	10	03H	-0.85	<TS
1226	B	103	122	16	03H	0.89	<TS
1227	B	103	126	16	04H	0.94	<TS
1228	B	103	126	30	VS6	0.85	<TS
1229	B	103	126	24	VS2	0.07	<TS
1230	B	103	128	13	04C	0.8	<TS
1231	B	103	130	20	VS2	-0.07	<TS
1232	B	103	130	10	VS2	0.91	<TS
1233	B	103	136	18	VS4	-0.84	<TS
1234	B	103	136	19	VS4	0.93	<TS
1235	B	104	31	16	02C	-0.22	<TS
1236	B	104	33	12	03H	0.02	<TS
1237	B	104	59	12	VS6	-0.93	<TS
1238	B	104	117	10	05C	0.84	<TS
1239	B	104	127	11	04H	0.91	<TS
1240	B	104	131	12	03C	0.76	<TS
1241	B	104	133	8	05C	0.8	<TS
1242	B	104	135	15	VS4	0.91	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1243	B	105	30	13	VS4	0.13	<TS
1244	B	105	30	17	02C	0.88	<TS
1245	B	105	30	28	VS4	0.57	<TS
1246	B	105	32	8	VS4	-1.05	<TS
1247	B	105	32	13	VS4	1.05	<TS
1248	B	105	32	11	01H	0.88	<TS
1249	B	105	34	14	07C	-0.92	<TS
1250	B	105	34	14	03C	-0.9	<TS
1251	B	105	34	20	02C	0.09	<TS
1252	B	105	36	10	04H	-0.19	<TS
1253	B	105	38	17	03C	0.86	<TS
1254	B	105	40	10	03C	-0.94	<TS
1255	B	105	42	11	07C	0.86	<TS
1256	B	105	54	23	VS6	-0.78	<TS
1257	B	105	58	15	VS4	-0.74	<TS
1258	B	105	58	15	VS4	0.04	<TS
1259	B	105	68	15	VS2	0	<TS
1260	B	105	88	15	07C	-0.88	<TS
1261	B	105	88	9	07C	-0.11	<TS
1262	B	105	90	17	VS4	0.9	<TS
1263	B	105	90	16	VS2	0.81	<TS
1264	B	105	90	16	07C	1.03	<TS
1265	B	105	90	16	03C	0.51	<TS
1266	B	105	96	12	04C	-0.92	<TS
1267	B	105	110	23	DBH	0.94	<TS
1268	B	105	116	13	03H	0.86	<TS
1269	B	105	118	9	03H	0.97	<TS
1270	B	105	120	12	03H	-0.8	<TS
1271	B	105	130	21	03C	0.87	<TS
1272	B	105	132	14	04H	0.78	<TS
1273	B	105	134	19	02C	0.76	<TS
1274	B	105	134	15	VS4	1.18	<TS
1275	B	105	136	13	01H	0.91	<TS
1276	B	106	31	18	03C	0.98	<TS
1277	B	106	31	17	02C	0.55	<TS
1278	B	106	33	11	VS4	-0.74	<TS
1279	B	106	33	14	03C	0.13	<TS
1280	B	106	35	13	03H	0.86	<TS
1281	B	106	35	17	04H	0.85	<TS
1282	B	106	35	15	02C	-0.2	<TS
1283	B	106	35	16	03C	0.75	<TS
1284	B	106	37	18	VS2	-0.83	<TS
1285	B	106	39	21	VS2	-0.96	<TS
1286	B	106	39	23	03C	0.91	<TS
1287	B	106	49	10	04H	-0.1	<TS
1288	B	106	51	9	VS2	1	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 4C Steam Generator E-50B Indications

(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1289	B	106	51	15	07C	0.94	<TS
1290	B	106	63	10	VS4	-0.96	<TS
1291	B	106	75	16	VS2	1.04	<TS
1292	B	106	129	16	04C	0.89	<TS
1293	B	106	131	14	03C	-0.39	<TS
1294	B	107	32	12	VS4	-0.96	<TS
1295	B	107	34	10	VS6	-0.72	<TS
1296	B	107	36	14	VS6	-0.68	<TS
1297	B	107	36	12	VS6	0	<TS
1298	B	107	40	17	VS2	0.87	<TS
1299	B	107	44	19	07C	0.15	<TS
1300	B	107	44	14	06C	-0.15	<TS
1301	B	107	46	20	VS6	-0.78	<TS
1302	B	107	46	10	VS6	0.8	<TS
1303	B	107	52	12	07C	0.89	<TS
1304	B	107	58	14	DBH	1.78	<TS
1305	B	107	78	13	VS2	-0.87	<TS
1306	B	107	78	18	VS2	0.96	<TS
1307	B	107	82	30	VS2	0.82	<TS
1308	B	107	82	34	VS2	-0.86	<TS
1309	B	107	96	11	VS4	0.46	<TS
1310	B	107	96	24	VS2	0.76	<TS
1311	B	107	124	14	04C	0.84	<TS
1312	B	107	124	10	04C	-0.8	<TS
1313	B	107	130	14	02H	0.88	<TS
1314	B	107	130	16	03H	0.9	<TS
1315	B	107	132	16	07C	0.78	<TS
1316	B	107	132	18	04C	0.78	<TS
1317	B	107	132	32	03C	0.85	<TS
1318	B	107	132	16	02C	0.94	<TS
1319	B	108	33	14	DBH	-1.7	<TS
1320	B	108	33	25	08H	0.2	<TS
1321	B	108	35	24	04H	0.93	<TS
1322	B	108	35	14	04C	0.85	<TS
1323	B	108	35	17	04C	-0.96	<TS
1324	B	108	37	12	04C	-0.9	<TS
1325	B	108	37	14	02C	0.94	<TS
1326	B	108	37	24	03C	0	<TS
1327	B	108	43	15	VS4	-0.83	<TS
1328	B	108	45	14	07C	0.87	<TS
1329	B	108	49	13	05H	0.98	<TS
1330	B	108	51	26	VS2	-0.85	<TS
1331	B	108	51	15	VS2	1.02	<TS
1332	B	108	63	13	07H	0.09	<TS
1333	B	108	63	12	07H	0.89	<TS
1334	B	108	69	12	05H	0.91	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1335	B	108	103	11	07C	0.82	<TS
1336	B	108	111	12	VS2	-0.15	<TS
1337	B	108	113	26	VS4	-0.91	<TS
1338	B	108	113	23	VS4	0.93	<TS
1339	B	108	115	15	07C	0.89	<TS
1340	B	108	129	13	04H	-0.13	<TS
1341	B	108	131	19	02C	0.78	<TS
1342	B	108	131	13	03C	0.09	<TS
1343	B	108	133	17	02C	0.11	<TS
1344	B	109	34	19	04C	0.04	<TS
1345	B	109	34	20	VS4	-0.81	<TS
1346	B	109	54	10	06H	0.73	<TS
1347	B	109	62	20	07C	0.76	<TS
1348	B	109	64	16	08C	-0.89	<TS
1349	B	109	78	18	04C	-0.91	<TS
1350	B	109	84	10	04H	-0.15	<TS
1351	B	109	92	11	07C	1.01	<TS
1352	B	109	112	22	07H	0.87	<TS
1353	B	109	112	15	07C	0.96	<TS
1354	B	109	112	13	06C	0.87	<TS
1355	B	109	126	21	04H	0.9	<TS
1356	B	109	130	26	02C	0.85	<TS
1357	B	109	130	15	03C	0.89	<TS
1358	B	109	132	15	DBH	1.33	<TS
1359	B	109	132	19	05C	0.87	<TS
1360	B	109	132	11	04C	0.74	<TS
1361	B	109	132	21	04C	-0.02	<TS
1362	B	110	37	14	04C	-0.97	<TS
1363	B	110	37	10	03C	-0.89	<TS
1364	B	110	41	13	02C	0.11	<TS
1365	B	110	51	11	05H	0.92	<TS
1366	B	110	55	27	VS2	-0.97	<TS
1367	B	110	55	12	VS2	0.99	<TS
1368	B	110	69	11	06H	-0.92	<TS
1369	B	110	79	23	VS2	-0.02	<TS
1370	B	110	97	17	08H	1.04	<TS
1371	B	110	115	15	03H	-0.89	<TS
1372	B	110	131	28	03C	0.85	<TS
1373	B	110	131	14	02C	0.91	<TS
1374	B	110	131	13	02C	-0.92	<TS
1375	B	110	131	15	03C	-0.96	<TS
1376	B	111	40	9	DBC	-1.59	<TS
1377	B	111	56	11	08H	-0.09	<TS
1378	B	111	66	12	07H	0.89	<TS
1379	B	111	74	11	05H	0.88	<TS
1380	B	111	84	11	04H	-0.86	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1381	B	111	118	13	04H	0.87	<TS
1382	B	111	120	14	04H	0.87	<TS
1383	B	111	122	12	03C	-0.91	<TS
1384	B	111	122	11	03C	-0.15	<TS
1385	B	111	126	16	03C	0.8	<TS
1386	B	111	128	17	03H	-0.53	<TS
1387	B	111	130	19	02H	0.21	<TS
1388	B	111	130	22	VS4	0.95	<TS
1389	B	112	37	32	04C	-0.92	<TS
1390	B	112	39	12	02H	0.89	<TS
1391	B	112	43	16	VS2	0.91	<TS
1392	B	112	43	17	VS2	-0.94	<TS
1393	B	112	45	11	03H	0.91	<TS
1394	B	112	47	24	VS2	-0.85	<TS
1395	B	112	47	12	VS2	0.9	<TS
1396	B	112	47	22	VS4	0.92	<TS
1397	B	112	49	10	VS4	0.69	<TS
1398	B	112	55	12	04H	-0.91	<TS
1399	B	112	71	14	VS2	-0.82	<TS
1400	B	112	79	14	04H	-0.83	<TS
1401	B	112	119	11	03H	-0.91	<TS
1402	B	112	121	13	02C	0.83	<TS
1403	B	112	127	26	03C	0.11	<TS
1404	B	113	36	11	08H	0.72	<TS
1405	B	113	36	12	VS2	-0.67	<TS
1406	B	113	36	14	VS2	0.85	<TS
1407	B	113	36	17	VS6	-0.91	<TS
1408	B	113	36	11	VS6	0.72	<TS
1409	B	113	36	16	02C	0.91	<TS
1410	B	113	36	10	04H	-0.93	<TS
1411	B	113	38	13	VS4	-0.9	<TS
1412	B	113	40	13	04H	-0.04	<TS
1413	B	113	40	15	VS4	-0.87	<TS
1414	B	113	40	19	03C	-0.57	<TS
1415	B	113	42	11	05H	-0.1	<TS
1416	B	113	42	11	03C	-0.15	<TS
1417	B	113	44	16	01H	0.86	<TS
1418	B	113	48	12	VS2	0.93	<TS
1419	B	113	48	38	VS2	-0.89	<TS
1420	B	113	48	38	VS4	-0.84	<TS
1421	B	113	48	10	VS4	0.63	<TS
1422	B	113	66	11	06H	0.93	<TS
1423	B	113	70	18	07C	0.13	<TS
1424	B	113	70	18	07C	0.89	<TS
1425	B	113	84	9	04H	-0.88	<TS
1426	B	113	84	14	02H	-0.94	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1427	B	113	110	15	04C	0.85	<TS
1428	B	113	122	12	03C	-0.96	<TS
1429	B	114	37	12	04C	0.92	<TS
1430	B	114	39	34	VS4	0.72	<TS
1431	B	114	39	11	02C	0.92	<TS
1432	B	114	43	12	07H	0.76	<TS
1433	B	114	127	14	05C	0.85	<TS
1434	B	114	127	16	04C	0.8	<TS
1435	B	114	127	23	03C	0.87	<TS
1436	B	114	129	14	VS4	-0.92	<TS
1437	B	115	38	13	08H	0.85	<TS
1438	B	115	38	14	02C	0.92	<TS
1439	B	115	38	37	01C	0.44	<TS
1440	B	115	58	9	07H	-1.02	<TS
1441	B	115	68	7	05H	0.86	<TS
1442	B	115	84	14	03H	-0.86	<TS
1443	B	115	86	16	03H	0.7	<TS
1444	B	115	104	10	04H	-0.9	<TS
1445	B	115	114	14	07H	0.95	<TS
1446	B	115	122	13	07H	1.01	<TS
1447	B	115	124	17	05C	-0.93	<TS
1448	B	115	126	18	03C	0.93	<TS
1449	B	115	126	16	03C	-0.87	<TS
1450	B	115	126	14	04H	0.84	<TS
1451	B	115	128	14	VS4	-0.89	<TS
1452	B	116	45	13	06H	0.91	<TS
1453	B	116	55	15	04C	0.95	<TS
1454	B	116	55	13	VS2	-0.95	<TS
1455	B	116	55	19	VS4	0.93	<TS
1456	B	116	81	11	07C	-0.88	<TS
1457	B	116	81	8	07C	-0.17	<TS
1458	B	116	93	10	04C	-0.83	<TS
1459	B	116	97	11	04C	-0.21	<TS
1460	B	116	103	15	05C	0.86	<TS
1461	B	116	111	12	05H	-0.97	<TS
1462	B	116	111	10	08C	0.91	<TS
1463	B	116	111	20	04C	-1	<TS
1464	B	116	111	7	05H	0.89	<TS
1465	B	116	115	19	VS4	0.93	<TS
1466	B	116	117	13	03C	-0.99	<TS
1467	B	116	117	17	03C	-0.13	<TS
1468	B	116	125	12	05C	0.82	<TS
1469	B	116	125	17	04C	0.86	<TS
1470	B	116	125	15	04C	0.04	<TS
1471	B	116	125	35	03C	0.78	<TS
1472	B	117	40	11	01C	-0.94	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1473	B	117	40	22	02C	-0.85	<TS
1474	B	117	40	14	02C	-0.07	<TS
1475	B	117	40	13	02C	0.9	<TS
1476	B	117	40	19	03C	-0.96	<TS
1477	B	117	40	11	03C	-0.07	<TS
1478	B	117	40	10	04C	-1.02	<TS
1479	B	117	40	17	04C	-0.07	<TS
1480	B	117	40	12	05C	0.76	<TS
1481	B	117	44	10	02C	0.8	<TS
1482	B	117	48	11	03C	-0.89	<TS
1483	B	117	66	14	06H	0.99	<TS
1484	B	117	66	14	07C	0.88	<TS
1485	B	117	68	14	05H	0.9	<TS
1486	B	117	82	9	06H	-0.95	<TS
1487	B	117	90	16	08C	0.87	<TS
1488	B	117	108	12	03H	-0.84	<TS
1489	B	117	108	10	04H	0.91	<TS
1490	B	117	112	18	04H	0.87	<TS
1491	B	118	41	12	02H	0.85	<TS
1492	B	118	41	12	03C	-0.09	<TS
1493	B	118	73	13	VS7	-0.8	<TS
1494	B	118	87	15	VS2	0.98	<TS
1495	B	118	89	15	VS4	0.7	<TS
1496	B	118	89	23	VS2	0.96	<TS
1497	B	118	97	14	VS2	-1	<TS
1498	B	118	101	10	08C	1.04	<TS
1499	B	118	117	14	04C	-0.2	<TS
1500	B	118	121	11	03H	-0.93	<TS
1501	B	118	123	19	04C	-0.88	<TS
1502	B	118	123	12	03C	0.8	<TS
1503	B	118	123	12	02C	0.87	<TS
1504	B	119	42	12	05C	0.85	<TS
1505	B	119	42	16	VS7	-0.76	<TS
1506	B	119	42	12	02H	0.88	<TS
1507	B	119	42	18	03C	0.46	<TS
1508	B	119	42	17	04C	-0.15	<TS
1509	B	119	42	13	04C	-0.9	<TS
1510	B	119	44	16	02H	0.92	<TS
1511	B	119	44	14	01C	0.9	<TS
1512	B	119	46	19	02C	0.87	<TS
1513	B	119	88	19	08C	0.9	<TS
1514	B	119	88	7	08C	-0.09	<TS
1515	B	119	104	14	VS1	-0.85	<TS
1516	B	119	110	14	04C	0.89	<TS
1517	B	119	112	17	04C	0.83	<TS
1518	B	119	112	13	03C	0.85	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1519	B	119	112	11	03C	-0.82	<TS
1520	B	119	122	14	04H	-0.93	<TS
1521	B	120	43	18	01C	-0.9	<TS
1522	B	120	43	7	01C	0.96	<TS
1523	B	120	43	11	02H	0.84	<TS
1524	B	120	45	11	02C	0.83	<TS
1525	B	120	47	24	03C	0.87	<TS
1526	B	120	47	12	03C	-0.59	<TS
1527	B	120	49	11	03C	-0.87	<TS
1528	B	120	55	12	07C	-0.89	<TS
1529	B	120	61	13	08C	0.85	<TS
1530	B	120	103	15	07H	0.8	<TS
1531	B	120	115	8	05C	0.06	<TS
1532	B	120	115	19	03C	0.72	<TS
1533	B	120	121	9	03H	0.93	<TS
1534	B	121	44	12	03C	0.87	<TS
1535	B	121	44	16	01H	0.8	<TS
1536	B	121	104	13	05H	0.82	<TS
1537	B	121	104	10	03H	0.89	<TS
1538	B	121	114	11	04C	-0.98	<TS
1539	B	121	114	10	03C	0.76	<TS
1540	B	121	118	18	02C	0.77	<TS
1541	B	121	120	11	02C	-0.22	<TS
1542	B	121	122	12	02H	0.85	<TS
1543	B	122	71	11	05H	0.96	<TS
1544	B	122	111	12	06C	0.78	<TS
1545	B	123	52	16	02C	0.93	<TS
1546	B	123	72	13	VS7	0.91	<TS
1547	B	123	78	18	05H	-1.13	<TS
1548	B	123	84	10	04H	-0.27	<TS
1549	B	123	98	9	06C	0.87	<TS
1550	B	123	116	39	VS6	-0.8	<TS
1551	B	123	116	19	05C	-1.06	<TS
1552	B	123	116	13	04C	0.87	<TS
1553	B	123	116	13	03C	0.76	<TS
1554	B	123	118	11	08C	0.88	<TS
1555	B	124	47	10	03C	0.98	<TS
1556	B	124	47	10	01C	-0.44	<TS
1557	B	124	49	17	02C	-0.87	<TS
1558	B	124	55	11	05H	-0.19	<TS
1559	B	124	95	16	VS4	-0.87	<TS
1560	B	124	95	19	VS4	0.91	<TS
1561	B	124	105	10	06C	0.93	<TS
1562	B	124	111	7	02C	-0.18	<TS
1563	B	124	113	13	03C	-0.17	<TS
1564	B	124	113	14	03C	0.82	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1565	B	124	117	22	04C	0.84	<TS
1566	B	124	117	11	06C	-0.86	<TS
1567	B	124	117	11	06C	0.84	<TS
1568	B	124	119	11	08C	-0.17	<TS
1569	B	124	119	14	08C	0.78	<TS
1570	B	125	48	9	VS4	-0.8	<TS
1571	B	125	48	14	VS4	0.91	<TS
1572	B	125	48	16	VS6	0.91	<TS
1573	B	125	78	11	03H	-0.82	<TS
1574	B	125	82	11	05H	-0.88	<TS
1575	B	125	100	13	08C	1.06	<TS
1576	B	125	104	16	07C	-0.11	<TS
1577	B	125	104	16	07H	0.78	<TS
1578	B	125	112	20	02C	0.88	<TS
1579	B	125	114	14	03C	0.74	<TS
1580	B	125	116	19	02H	0.87	<TS
1581	B	125	116	13	03H	0.87	<TS
1582	B	125	118	14	05H	-0.87	<TS
1583	B	126	51	11	01C	0.87	<TS
1584	B	126	55	13	02C	0.87	<TS
1585	B	126	55	10	06H	0.94	<TS
1586	B	126	81	11	VS4	-0.92	<TS
1587	B	126	95	21	VS4	-0.89	<TS
1588	B	126	95	15	VS6	0.98	<TS
1589	B	126	99	12	07C	0.95	<TS
1590	B	126	99	18	08C	1.04	<TS
1591	B	126	103	17	VS4	0.78	<TS
1592	B	126	109	15	04H	0.78	<TS
1593	B	126	115	9	02C	0.13	<TS
1594	B	126	115	20	02C	0.8	<TS
1595	B	127	52	12	01H	-0.42	<TS
1596	B	127	54	17	01H	-0.93	<TS
1597	B	127	72	12	05H	0.88	<TS
1598	B	127	92	19	08C	-0.19	<TS
1599	B	127	92	9	VS6	-1.01	<TS
1600	B	127	102	15	07C	-0.17	<TS
1601	B	127	104	13	06C	0.94	<TS
1602	B	127	106	19	07C	-0.22	<TS
1603	B	127	108	14	06C	0.89	<TS
1604	B	127	110	16	02C	0.8	<TS
1605	B	127	112	19	02C	0.8	<TS
1606	B	127	114	18	01H	-0.88	<TS
1607	B	127	114	13	02H	0.86	<TS
1608	B	127	114	13	03C	0.82	<TS
1609	B	127	114	13	02C	0.85	<TS
1610	B	128	53	16	01H	-0.04	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1611	B	128	55	22	01C	-0.5	<TS
1612	B	128	57	9	01H	-0.9	<TS
1613	B	128	73	14	06H	0.93	<TS
1614	B	128	73	25	VS1	0.04	<TS
1615	B	128	73	10	06H	0.13	<TS
1616	B	128	73	16	VS4	0.91	<TS
1617	B	128	99	11	07C	0.95	<TS
1618	B	128	101	21	05C	0.88	<TS
1619	B	128	109	13	02C	-0.02	<TS
1620	B	128	113	26	02C	-0.9	<TS
1621	B	129	56	19	01C	0.88	<TS
1622	B	129	56	20	01H	0.81	<TS
1623	B	129	58	12	01H	-0.83	<TS
1624	B	129	64	20	VS7	-0.73	<TS
1625	B	129	68	12	02H	-0.89	<TS
1626	B	129	84	20	06H	0.81	<TS
1627	B	129	102	7	06C	-0.06	<TS
1628	B	129	102	16	08C	-1.04	<TS
1629	B	129	102	10	08C	0.19	<TS
1630	B	129	104	10	07C	-0.17	<TS
1631	B	129	106	20	08C	0.98	<TS
1632	B	129	106	12	06C	0.8	<TS
1633	B	129	106	10	08C	-0.28	<TS
1634	B	129	108	12	06C	0.94	<TS
1635	B	129	108	12	02C	0.98	<TS
1636	B	129	110	18	02C	0.73	<TS
1637	B	130	55	19	01H	0.89	<TS
1638	B	130	55	16	02C	0.93	<TS
1639	B	130	69	12	05H	0.75	<TS
1640	B	130	107	16	DBC	-1.84	<TS
1641	B	130	109	16	04H	0.89	<TS
1642	B	131	58	30	01C	0.89	<TS
1643	B	131	60	14	VS6	0.74	<TS
1644	B	131	64	25	VS7	0.91	<TS
1645	B	131	70	13	03C	0.87	<TS
1646	B	131	74	10	02H	-0.85	<TS
1647	B	131	82	14	08H	-0.91	<TS
1648	B	131	88	14	07C	0.88	<TS
1649	B	131	96	9	08H	-0.11	<TS
1650	B	131	96	20	04C	0.94	<TS
1651	B	131	98	11	DBC	2.06	<TS
1652	B	131	100	10	06C	0.85	<TS
1653	B	131	102	12	04C	0.85	<TS
1654	B	131	102	17	05C	0.94	<TS
1655	B	131	102	22	06C	-0.9	<TS
1656	B	131	104	28	VS7	0.86	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1657	B	131	104	16	DBC	2	<TS
1658	B	132	61	13	01H	0.89	<TS
1659	B	132	75	11	02H	0.81	<TS
1660	B	132	81	14	05H	0.88	<TS
1661	B	132	97	11	VS1	0.83	<TS
1662	B	132	97	16	VS2	-0.83	<TS
1663	B	132	97	11	VS2	-0.19	<TS
1664	B	132	97	16	VS7	0.85	<TS
1665	B	132	97	12	VS4	-0.94	<TS
1666	B	132	97	9	VS4	0.53	<TS
1667	B	132	101	11	06C	-0.17	<TS
1668	B	132	101	16	06C	0.89	<TS
1669	B	132	101	13	VS7	0.93	<TS
1670	B	132	107	26	02C	-0.84	<TS
1671	B	133	68	13	02H	0.89	<TS
1672	B	133	74	16	03H	0.8	<TS
1673	B	133	76	14	07C	0.93	<TS
1674	B	133	100	14	VS7	-0.15	<TS
1675	B	133	102	17	07C	-0.97	<TS
1676	B	133	104	11	DBC	2.06	<TS
1677	B	134	63	17	07C	0.76	<TS
1678	B	134	63	18	DBH	-1.85	<TS
1679	B	134	65	21	02H	0.89	<TS
1680	B	134	65	14	VS2	-0.76	<TS
1681	B	134	69	10	04H	0.08	<TS
1682	B	134	69	7	VS7	-0.93	<TS
1683	B	134	69	24	VS7	0.91	<TS
1684	B	134	69	16	04H	0.9	<TS
1685	B	134	95	12	06C	0.85	<TS
1686	B	134	95	16	DBC	1.26	<TS
1687	B	135	68	12	02H	-0.91	<TS
1688	B	135	68	17	VS7	0.85	<TS
1689	B	135	76	15	08C	0.8	<TS
1690	B	135	76	21	08C	-1	<TS
1691	B	135	80	18	07H	-0.98	<TS
1692	B	135	82	27	VS7	0.93	<TS
1693	B	135	82	23	VS7	-0.93	<TS
1694	B	135	90	29	VS7	0.71	<TS
1695	B	135	92	22	07C	0.82	<TS
1696	B	135	92	34	08C	0.82	<TS
1697	B	136	77	14	03H	0.84	<TS
1698	B	136	87	16	08C	-1.05	<TS
1699	B	136	91	10	08C	-0.15	<TS
1700	B	136	95	18	03C	0.88	<TS
1701	B	136	97	8	08C	-0.02	<TS
1702	B	136	97	10	08C	-0.93	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage
Table 4C Steam Generator E-50B Indications
(all indications due to tube wear)

No.	SG	Row	Column	Percent in Depth	Location	Elevation	TS
1703	B	136	97	14	07C	0.87	<TS
1704	B	136	97	18	03C	0.88	<TS
1705	B	137	74	14	06H	0.85	<TS
1706	B	137	76	11	05H	0.87	<TS
1707	B	137	80	16	08H	0.9	<TS
1708	B	137	92	14	08C	-1.03	<TS
1709	B	137	92	13	07C	0.15	<TS
1710	B	137	92	13	04C	0.83	<TS
1711	B	138	77	20	VS4	0.89	<TS
1712	B	138	77	17	02H	0.9	<TS
1713	B	138	77	9	03H	-0.9	<TS
1714	B	138	79	13	03H	0.85	<TS
1715	B	138	81	8	08C	-1.03	<TS
1716	B	138	81	18	VS4	-0.88	<TS
1717	B	138	85	12	08H	0.79	<TS
1718	B	138	87	18	VS1	-0.81	<TS
1719	B	138	87	12	VS1	0.81	<TS
1720	B	138	87	16	VS4	-0.81	<TS
1721	B	138	89	12	VS6	-0.96	<TS
1722	B	138	89	14	VS6	0.81	<TS
1723	B	138	89	18	VS7	-1.01	<TS
1724	B	138	89	17	VS4	-0.76	<TS
1725	B	138	89	29	VS7	0.94	<TS
1726	B	138	89	14	07C	0.85	<TS
1727	B	138	89	7	VS7	-0.09	<TS
1728	B	138	89	4	07C	-0.13	<TS

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

**Table 5
Tube Plugging Summary by Damage Mechanism**

TUBE PLUGGING SUMMARY	SG E-50A	SG E-50B
Wear – Vertical Straps	2	0
Wear – Diagonal Bar	0	0
Wear – Eggcrate	0	0
Wear – Loose Part	3	0
Wear – Dent (could not be sized TBP)	0	0
Wear – Tube to Tube (TBP)	0	0
Wear – Volumetric	0	0
Circumferential ODSCC TTS	3	1
Axial ODSCC TTS	6	4
Axial ODSCC Freespan Ding	0	1
Axial ODSCC Eggcrate & Vertical Strap	23	5
Axial ODSCC in Greater Than 5 Volt Dents	0	0
Axial ODSCC in Less Than 5 Volt Dents	0	0
Axial PWSCC Tubesheet	0	0
Circumferential PWSCC Tubesheet	0	0
Axial ODSCC in U-bend	0	0
Restricted Tube	0	0
Administrative (PTE)	1	0
2012 Outage Total	38	11
Pre-service Tubes Plugged	308	309
Effective Tubes Plugged	524	436
Effective Tubes Plugged Percentage	6.4%	5.3%
SG Total Number of Tubes	8219	8219

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 6
Condition Monitoring Results Identification of Tubes Plugged
(all conditions for tubes that were plugged in the 2012 refueling outage)

SG	Row	Column	Location	Reason For Plugging
E-50A	3	52	01H-0.47	SAI No Stabilization
E-50A	4	17	03H+0.85	SAI No Stabilization
E-50A	4	109	02H-0.24	SAI No Stabilization
E-50A	5	24	01H-0.78	SAI No Stabilization
E-50A	6	107	01H+0.89	SAI No Stabilization
E-50A	9	52	01H+0.50	SAI No Stabilization
E-50A	10	57	01H-0.44	SAI No Stabilization
E-50A	10	59	01H-0.53	SAI No Stabilization
E-50A	10	111	02H-0.38	SAI No Stabilization
E-50A	11	126	02H+0.82	SAI No Stabilization
E-50A	12	57	01H-0.64	SAI No Stabilization
E-50A	15	132	01H+0.68	SAI No Stabilization
E-50A	19	118	01H-0.64	SAI No Stabilization
E-50A	21	108	01H+0.85	SAI No Stabilization
E-50A	23	106	04H-0.18	SAI No Stabilization
E-50A	25	106	01H-0.04	SAI No Stabilization
E-50A	28	53	TSH+0.31	SCI Stabilization
E-50A	29	108	01H+0.50	SAI No Stabilization
E-50A	48	103	01H+0.16	SAI No Stabilization
E-50A	51	150	TEC+17.54	Administrative (PTE) No Stabilization
E-50A	75	96	TSH+0.55	SAI No Stabilization
E-50A	78	91	TSH+0.87	SAI No Stabilization

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 6
Condition Monitoring Results Identification of Tubes Plugged
 (all conditions for tubes that were plugged in the 2012 refueling outage)

SG	Row	Column	Location	Reason For Plugging
E-50A	80	83	01H+0.77	SAI No Stabilization
E-50A	80	89	TSH+0.37	SAI No Stabilization
E-50A	80	93	TSH+0.58	SAI No Stabilization
E-50A	80	95	TSH+0.65	SAI No Stabilization
E-50A	83	94	TSH+0.51	SAI No Stabilization
E-50A	91	62	TSH-0.12	SCI Stabilization
E-50A	92	83	01H-0.48	SAI No Stabilization
E-50A	92	121	02H+0.51	SAI No Stabilization
E-50A	93	58	VS2-0.86	WEAR No Stabilization
E-50A	100	93	01H+0.26	SAI No Stabilization
E-50A	103	68	TSH+0.18	SCI Stabilization
E-50A	110	85	01H-0.68	SAI No Stabilization
E-50A	130	61	TSH+0.00	LP Preventive Stabilization
E-50A	132	61	TSH+0.00	LP Preventive Stabilization
E-50A	133	62	TSH+0.00	LP Preventive Stabilization
E-50A	135	96	VS6+0.97	WEAR No Stabilization
E-50B	2	39	01H-11.14	SAI No Stabilization
E-50B	24	47	TSH+0.89	SAI No Stabilization
E-50B	24	55	01H-0.41	SAI No Stabilization
E-50B	26	47	TSH+0.40	SAI No Stabilization
E-50B	74	87	01H+0.19	SAI No Stabilization
E-50B	74	101	TSH+0.58	SAI No Stabilization

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 6

Condition Monitoring Results Identification of Tubes Plugged
(all conditions for tubes that were plugged in the 2012 refueling outage)

SG	Row	Column	Location	Reason For Plugging
E-50B	75	100	TSH+0.61	SAI No Stabilization
E-50B	77	112	01H-0.42	SAI No Stabilization
E-50B	80	25	05H-0.87	SAI No Stabilization
E-50B	97	126	TSH+0.14	SCI Stabilization
E-50B	122	85	01H-0.17	SAI No Stabilization

Steam Generator Tube Inspection Report for the 2012 Refueling Outage

Table 7A
Steam Generator Support Structure Nomenclature

Name	Description	Name	Description
TEH	Tube End - Hot Side	VS4	Fourth Vertical Strap
TSH	Top of Tubesheet - Hot Side	VS5	Fifth Vertical Strap
01H	First Eggcrate - Hot Side	VS6	Sixth Vertical Strap
02H	Second Eggcrate - Hot Side	VS7	Seventh Vertical Strap
03H	Third Eggcrate - Hot Side	DBC	Diagonal Strap - Cold Side
04H	Fourth Eggcrate - Hot Side	08C	Eighth Eggcrate - Cold Side
05H	Fifth Eggcrate - Hot Side	07C	Seventh Eggcrate - Cold Side
06H	Sixth Eggcrate - Hot Side	06C	Sixth Eggcrate - Cold Side
07H	Seventh Eggcrate - Hot Side	05C	Fifth Eggcrate - Cold Side
08H	Eighth Eggcrate - Hot Side	04C	Fourth Eggcrate - Cold Side
DBH	Diagonal Strap - Hot Side	03C	Third Eggcrate - Cold Side
VS1	First Vertical Strap	02C	Second Eggcrate - Cold Side
VS2	Second Vertical Strap	01C	First Eggcrate - Cold Side
VS3	Third Vertical Strap	TSC	Top of Tubesheet - Cold Side
		TEC	Tube End - Cold Side

Table 7B
Acronyms and Abbreviations

Acronym	Definition
CMOA	Condition Monitoring and Operational Assessment
DNI	Dent or Ding with Indication
DSI	Distorted Support Indication
LP	Loose Part
MRPC	Motorized Rotating Pancake Coil (+Pt.™)
MBM	Manufacturing Burnish Mark
NDE	Non Destructive Examination
NQI	Non-Quantifiable Indication
NTE	No Tube Expansion
ODSCC	Outside Diameter Stress Corrosion Cracking
PLG	Tube Is Plugged
PLP	Possible Loose Part
PTE	Partial Tube Expansion
PVN	Permeability Variation
PWSCC	Primary Water Stress Corrosion Cracking
SAI	Single Axial Indication
SCI	Single Circumferential Indication
SVI	Single Volumetric Indication
TBP	To Be Plugged
TTS	Top of Tubesheet
<TS	Less Than Technical Specification
WAR	Wear Indication