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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Voluntary Report of the Steam Generator
Tube Inservice Inspections
Forced Outage 1992

Gentlemen:

The Arkansas Nuclear One, Unit 2 (ANO-2) Technical Specifications 4.4.5.5.b and 6.9.1.5.b requires the complete results of all ANO-2 steam generator tube Inservice Inspections (ISI) performed during the report period be submitted on an annual basis. The inspections performed during the forced outage in March 1992 (2F92-1), were not Technical Specification required inservice inspections.

In letter dated May 12, 1992 (2CAN059202), Entergy Operations provided the initial tube inspection results and stated that the complete results of the tube inspections performed during 2F92-1 would be submitted to the Staff. Attached is the Steam Generator Tubing Inservice Inspection Report for 2F92-1.

Should you have any questions regarding this issue, please contact me.

Very truly yours,

James J. Fisicaro
Director, Licensing

JJF/RWC/mng
Attachments

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U. S. NRC
July 14, 1992
Page 2

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ARKANSAS NUCLEAR ONE, UNIT 2
STEAM GENERATOR TUBING INSERVICE INSPECTION REPORT
MARCH 1992 FORCED OUTAGE (2F92-1)

EXAMINATION SUMMARY

On March 9, 1992, Arkansas Nuclear One, Unit 2 (ANO-2) was shut down due to a 0.25 GPM leak in the "A" Steam Generator (SG). The leaking tube was found to have a circumferential crack in the expansion transition region at the top of the tubesheet.

After stabilizing and plugging the leaking tube, ANO-2 examined 100% of the "A" and "B" SG hotleg inservice tubes at ± 2 " of the tubesheet secondary side interface. Due to the number of indications present in the "A" SG hotleg tubing, an examination was performed in the "A" SG coldleg inservice tubing. This examination consisted of 20% of the SG tubing located in the center of the sludge pile "kidney" region (~ 1000 tubes) at ± 2 " of the tubesheet secondary side interface.

The "A" and "B" SG tubing examination was performed utilizing the Motorized Rotating Pancake Coil (MRPC) probe. All tubes found with indications were inspected full length with a bobbin probe. A portion of the tubes with indications were tested using a rotating ultrasonic technique.

The previous inservice inspection was conducted in March 1991 during the eighth refueling outage (2R8). The inservice inspection expanded to 9% of the "A" SG tubes and 100% of the "B" SG tubes. Zero (0) tubes were plugged in the "A" SG and seventy-three (73) tubes were plugged in the "B". The tube indications, causing the expansion from the original planned 3%, was found in the tube support plate regions of the "B" SG and believed to be outside diameter Intergranular Attack (IGA) and Axial Stress Corrosion Cracking (SCC).

EXAMINATION RESULTS

Circumferential crack indications were found in the "A" and "B" SG hotleg tubing. No indications were found in the "A" SG coldleg tubing examination. In the "A" SG, 421 tubes were identified with indications. In the "B" SG, 67 tubes were identified with indications. All tubes with indications were repaired by sleeving or removed from service by plugging. All tubes plugged due to circumferential indications were also stabilized.

Tables 1 and 2 list the tubes with indications for the "A" and "B" SGs, respectively. Indication location, size (if quantifiable), and disposition as analyzed by the MRPC examination technique

In the "A" SG, 407 tubes were sleeved and 14 tubes were plugged with 8 plugged tubes stabilized. Tube segments were removed from 2 of the 14 plugged tubes for laboratory examinations. During the secondary side pressure test, 15 of the 407 installed sleeves leaked. Th 15 sleeved tubes were preventively plugged, bringing the total number of plugged tubes to 29, with 392 sleeved tubes remaining in service.

In the "B" SG, 59 tubes were sleeved and 8 tubes were plugged with 3 plugged tubes stabilized. Tube segments were removed from 3 of the 8 plugged tubes for laboratory examinations. During the secondary side pressure test, 3 of the 59 installed sleeves leaked. The 3 sleeved tubes were preventively plugged, bringing the total number of plugged tubes to 11, with 56 sleeved tubes remaining in service.

Tables 3 and 4 list the tubes of which segments were removed from the "A" and "B" SG hotlegs, respectively.

During the sixth refueling outage (2R6), March 1988, Westinghouse installed six mechanical ribbed plugs of Alloy 600 in the "B" SG hotleg tubing. In response to NRC Bulletin 89-01, Supplement 2, "Failure of Westinghouse Steam Generator Tube Mechanical Plugs", Entergy Operations committed in letter dated August 8, 1991 (OCAN089108), to remove and replace or repair these six plugs during the next refueling outage (2R9). Entergy Operations also stated that if an extended outage (greater than 4 weeks) were to occur before 2R9, these plugs would be replaced or repaired at that time. The six plugs were repaired by stabilization utilizing Babcock & Wilcox Nuclear Service (BWNS) Plug-A-Plug (PAP) technique while working the "B" SG during 2F92-1.

Table 5 lists the "B" SG hotleg tube plugs that were stabilized utilizing the BWNS PAP technique.

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
4	38	DTI	TSH + 0.01	SLEEVED
5	53	DTI	TSH + 0.09	SLEEVED
5	55	DTI	TSH + 0.06	SLEEVED
6	114	DTI	TSH + 0.20	SLEEVED
8	16	DTI	TSH + 0.12	SLEEVED
8	54	DTI	TSH + 0.11	SLEEVED
8	114	DTI	TSH + 0.08	SLEEVED
9	151	DTI	TSH - 0.03	SLEEVED
11	19	DTI	TSH + 0.09	SLEEVED
11	45	DTI	TSH + 0.00	SLEEVED
11	61	DTI	TSH - 0.08	SLEEVED
11	145	DTI	TSH + 0.01	SLEEVED
11	149	DTI	TSH + 0.09	SLEEVED
		DTI	TSH + 0.11	
11	151	DTI	TSH + 0.09	SLEEVED
		DTI	TSH + 0.07	
12	28	DTI	TSH + 0.00	SLEEVED
12	128	DTI	TSH + 0.16	SLEEVED
12	142	DTI	TSH + 0.06	SLEEVED
12	146	DTI	TSH + 0.06	SLEEVED
13	17	DTI	TSH + 0.00	SLEEVED
13	25	DTI	TSH - 0.01	SLEEVED
13	27	DTI	TSH + 0.09	SLEEVED
13	53	DTI	TSH + 0.09	SLEEVED
13	127	DTI	TSH + 0.12	SLEEVED
13	141	DTI	TSH + 0.11	SLEEVED
13	147	DTI	TSH + 0.10	SLEEVED
13	149	DTI	TSH + 0.16	SLEEVED
		DTI	TSH + 0.13	
13	151	DTI	TSH + 0.08	SLEEVED
13	153	DTI	TSH + 0.09	SLEEVED
14	28	DTI	TSH + 0.00	SLEEVED
14	142	DTI	TSH + 0.02	SLEEVED
		DTI	TSH + 0.00	
14	144	DTI	TSH + 0.07	SLEEVED
		DTI	TSH + 0.09	
		DTI	TSH + 0.08	
14	148	DTI	TSH + 0.19	PLUGGED
14	152	DTI	TSH + 0.08	SLEEVED
15	31	DTI	TSH - 0.03	SLEEVED
15	59	DTI	TSH + 0.04	SLEEVED
15	141	DTI	TSH + 0.17	SLEEVED
15	143	DTI	TSH + 0.09	SLEEVED
15	145	DTI	TSH + 0.06	SLEEVED
15	147	DTI	TSH + 0.13	SLEEVED
		DTI	TSH + 0.03	
15	149	LTI	TSH + 0.10	SLEEVED
15	112	DTI	TSH + 0.15	SLEEVED
16	146	DTI	TSH + 0.07	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
16	148	DTI	TSH + 0.05	SLEEVED
16	152	DTI	TSH + 0.09	SLEEVED
17	33	DTI	TSH + 0.05	SLEEVED
17	147	DTI	TSH + 0.10	SLEEVED
17	151	DTI	TSH + 0.15	SLEEVED
		DTI	TSH + 0.13	
18	32	DTI	TSH + 0.02	SLEEVED
18	34	DTI	TSH + 0.08	SLEEVED
18	136	DTI	TSH + 0.02	SLEEVED
18	138	DTI	TSH + 0.03	SLEEVED
19	35	DTI	TSH + 0.01	SLEEVED
19	137	DTI	TSH + 0.06	PLUGGED
20	36	DTI	TSH + 0.10	SLEEVED
20	52	30%TW	BW1 - 0.88	SLEEVED
		DTI	TSH + 0.02	
20	60	DTI	TSH + 0.00	SLEEVED
20	136	DTI	TSH + 0.05	SLEEVED
21	33	DTI	TSH + 0.02	SLEEVED
21	35	DTI	TSH - 0.03	SLEEVED
21	39	DTI	TSH + 0.05	SLEEVED
21	53	DTI	TSH + 0.06	SLEEVED
21	135	DTI	TSH + 0.03	SLEEVED
21	147	DTI	TSH + 0.05	SLEEVED
21	149	DTI	TSH + 0.02	SLEEVED
21	151	DTI	TSH + 0.11	SLEEVED
22	30	DTI	TSH + 0.22	SLEEVED
22	36	DTI	TSH + 0.03	SLEEVED
22	134	DTI	TSH + 0.09	SLEEVED
22	136	DTI	TSH + 0.04	SLEEVED
22	146	DTI	TSH + 0.07	SLEEVED
23	31	DTI	TSH + 0.07	SLEEVED
23	53	DTI	TSH + 0.05	SLEEVED
23	125	DTI	TSH + 0.01	SLEEVED
23	133	DTI	TSH + 0.00	SLEEVED
24	34	DTI	TSH + 0.05	SLEEVED
24	114	DTI	TSH - 0.02	SLEEVED
24	146	DTI	TSH + 0.10	SLEEVED
25	39	DTI	TSH + 0.09	SLEEVED
25	131	DTI	TSH + 0.02	PLUGGED
26	34	DTI	TSH + 0.02	SLEEVED
26	52	DTI	TSH - 0.07	PLUGGED
		22%TW	TSC - 1.31	
26	128	DTI	TSH + 0.04	SLEEVED
26	130	DTI	TSH + 0.05	SLEEVED
26	132	DTI	TSH + 0.05	SLEEVED
27	33	DTI	TSH + 0.00	SLEEVED
27	35	DTI	TSH - 0.04	SLEEVED
27	39	DTI	TSH + 0.04	SLEEVED
27	111	DTI	TSH + 0.06	SLEEVED
		DTI	TSH + 0.01	

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
27	129	DTI	TSH + 0.01	SLEEVED
28	32	DTI	TSH + 0.08	SLEEVED
28	52	DTI	TSH + 0.08	SLEEVED
28	112	DTI	TSH + 0.10	SLEEVED
28	126	DTI	TSH + 0.07	SLEEVED
28	128	DTI	TSH + 0.02	PLUGGED
28	130	DTI	TSH + 0.03	SLEEVED
28	132	DTI	TSH + 0.04	SLEEVED
28	41	DTI	TSH + 0.17	SLEEVED
		28%TW	TSC + 0.94	
29	51	DTI	TSH + 0.19	SLEEVED
29	111	DTI	TSH + 0.00	SLEEVED
		DTI	TSH + 0.12	
29	127	DTI	TSH + 0.10	SLEEVED
29	129	DTI	TSH + 0.08	SLEEVED
		DTI	TSH + 0.09	
		DTI	TSH + 0.10	
29	133	DTI	TSH + 0.11	SLEEVED
30	38	DTI	TSH + 0.12	SLEEVED
30	50	DTI	TSH + 0.02	SLEEVED
30	112	DTI	TSH + 0.03	SLEEVED
30	114	DTI	TSH + 0.02	SLEEVED
30	120	DTI	TSH + 0.13	SLEEVED
30	124	DTI	TSH + 0.09	PLUGGED
31	41	DTI	TSH + 0.03	SLEEVED
31	51	DTI	TSH - 0.05	SLEEVED
31	53	DTI	TSH + 0.07	SLEEVED
31	63	DTI	TSH - 0.05	SLEEVED
31	123	DTI	TSH + 0.03	SLEEVED
31	125	DTI	TSH + 0.05	SLEEVED
31	127	DTI	TSH + 0.04	SLEEVED
32	20	DTI	TSH + 0.11	SLEEVED
32	46	DTI	TSH + 0.11	SLEEVED
32	48	21%TW	07H + 12.01	SLEEVED
		DTI	TSH + 0.18	
32	50	DTI	TSH - 0.02	SLEEVED
32	52	DTI	TSH + 0.00	SLEEVED
		27%TW	TSC + 1.33	
32	124	DTI	TSH + 0.08	SLEEVED
32	130	DTI	TSH + 0.05	SLEEVED
34	24	JTI	TSH + 0.05	SLEEVED
34	40	DTI	TSH + 0.01	SLEEVED
34	42	DTI	TSH + 0.09	SLEEVED
34	44	DTI	TSH + 0.10	SLEEVED
34	50	DTI	TSH - 0.05	SLEEVED
34	98	DTI	TSH + 0.07	SLEEVED
34	112	DTI	TSH + 0.11	SLEEVED
34	128	DTI	TSH + 0.00	SLEEVED
35	127	DTI	TSH + 0.08	SLEEVED
36	38	DTI	TSH + 0.03	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
36	44	DTI	TSH + 0.02	SLEEVED
36	50	DTI	TSH + 0.06	SLEEVED
36	52	DTI	TSH + 0.04	SLEEVED
36	130	DTI	TSH + 0.12	SLEEVED
37	27	DTI	TSH + 0.00	SLEEVED
37	37	DTI	TSH + 0.08	SLEEVED
37	39	DTI	TSH + 0.04	SLEEVED
37	95	DTI	TSH + 0.26	SLEEVED
40	22	DTI	TSH + 0.19	SLEEVED
40	56	DTI	TSH + 0.00	SLEEVED
40	120	DTI	TSH + 0.03	PLUGGED
40	140	DTI	TSH + 0.14	SLEEVED
41	35	DTI	TSH + 0.03	SLEEVED
41	39	DTI	TSH + 0.05	SLEEVED
41	109	DTI	TSH + 0.02	SLEEVED
42	118	DTI	TSH + 0.02	SLEEVED
42	132	DTI	TSH + 0.12	SLEEVED
43	119	DTI	TSH + 0.04	SLEEVED
44	46	DTI	TSH + 0.13	SLEEVED
44	48	DTI	TSH + 0.12	SLEEVED
44	108	DTI	TSH + 0.02	SLEEVED
44	120	DTI	TSH + 0.10	SLEEVED
45	47	DTI	TSH + 0.00	SLEEVED
45	49	DTI	TSH + 0.03	SLEEVED
45	119	DTI	TSH + 0.11	SLEEVED
45	121	DTI	TSH + 0.04	SLEEVED
45	45	DTI	TSH + 0.08	SLEEVED
45	48	DTI	TSH + 0.04	SLEEVED
46	50	DSI	01H + 0.87	PLUGGED
46	54	DTI	TSH + 0.01	SLEEVED
46	56	25%TW	TSC + 0.74	
46	58	DTI	TSH + 0.05	SLEEVED
46	74	DTI	TSH + 0.00	SLEEVED
46	78	41%TW	02H + 0.85	PLUGGED
		DTI	TSH + 0.07	
46	106	DTI	TSH + 0.14	SLEEVED
46	120	DTI	TSH + 0.06	SLEEVED
47	49	DTI	TSH + 0.06	SLEEVED
47	63	DTI	TSH + 0.17	SLEEVED
47	121	DTI	TSH + 0.03	SLEEVED
47	139	DTI	TSH + 0.08	SLEEVED
48	104	DTI	TSH + 0.08	SLEEVED
48	106	DTI	TSH + 0.07	SLEEVED
49	46	DTI	TSH + 0.05	SLEEVED
50	38	DTI	TSH + 0.10	SLEEVED
50	64	DTI	TSH + 0.11	SLEEVED
50	66	DTI	TSH + 0.08	SLEEVED
50	102	DTI	TSH + 0.06	SLEEVED
50	104	DTI	TSH + 0.10	SLEEVED
50	114	DTI	TSH + 0.16	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
50	118	DTI	TSH - 0.02	SLEEVED
50	120	DTI	TSH + 0.08	SLEEVED
51	45	DTI	TSH + 0.03	SLEEVED
51	51	DTI	TSH + 0.11	SLEEVED
51	117	DTI	TSH - 0.01	SLEEVED
		DTI	TSH + 0.01	
51	119	DTI	TSH + 0.03	SLEEVED
52	44	DTI	TSH + 0.09	SLEEVED
52	52	DTI	TSH - 0.05	PLUGGED
52	54	DTI	TSH - 0.02	SLEEVED
52	102	DTI	TSH + 0.16	SLEEVED
52	106	DTI	TSH + 0.05	SLEEVED
52	116	DTI	TSH - 0.02	SLEEVED
53	33	DTI	TSH - 0.15	SLEEVED
53	67	DTI	TSH + 0.08	SLEEVED
53	115	DTI	TSH + 0.09	SLEEVED
54	54	DTI	TSH + 0.04	SLEEVED
54	114	DTI	TSH + 0.07	SLEEVED
		24XTW	01H + 0.89	
54	116	DTI	TSH + 0.05	SLEEVED
55	53	DTI	TSH + 0.03	SLEEVED
55	63	DTI	TSH + 0.11	PLUGGED
55	65	DTI	TSH + 0.05	SLEEVED
55	77	DTI	TSH + 0.04	SLEEVED
		22XTW	07H + 18.81	
		21XTW	07H + 15.46	
		23XTW	07H + 5.58	
56	54	DTI	TSH + 0.00	SLEEVED
56	62	DTI	TSH + 0.05	SLEEVED
56	64	DTI	TSH + 0.04	SLEEVED
56	100	DTI	TSH + 0.00	SLEEVED
56	114	24XTW	06H + 0.12	
57	65	DTI	TSH + 0.04	SLEEVED
57	67	DTI	TSH + 0.13	SLEEVED
58	32	DTI	TSH + 0.05	SLEEVED
58	56	DTI	TSH + 0.01	SLEEVED
58	64	DTI	TSH + 0.14	SLEEVED
58	68	DTI	TSH + 0.09	SLEEVED
59	57	DTI	TSH + 0.13	SLEEVED
59	63	DTI	TSH + 0.04	SLEEVED
59	65	DTI	TSH + 0.07	SLEEVED
60	56	DTI	TSH - 0.04	SLEEVED
60	66	DTI	TSH + 0.01	SLEEVED
60	68	DTI	TSH + 0.09	SLEEVED
60	112	DTI	TSH + 0.04	SLEEVED
60	114	DTI	TSH - 0.02	SLEEVED
61	111	DTI	TSH + 0.06	SLEEVED
62	58	DTI	TSH + 0.03	SLEEVED
62	64	DTI	TSH + 0.05	SLEEVED
62	66	DTI	TSH + 0.03	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
62	70	DTI	TSH + 0.05	SLEEVED
62	112	DTI	TSH + 0.09	SLEEVED
62	138	DTI	TSH + 0.06	SLEEVED
63	59	DTI	TSH + 0.06	SLEEVED
63	61	DTI	TSH + 0.16	SLEEVED
63	67	DTI	TSH + 0.07	SLEEVED
63	69	DTI	TSH + 0.07	SLEEVED
63	77	DTI	TSH + 0.05	SLEEVED
63	81	DTI	TSH + 0.08	SLEEVED
63	91	DTI	TSH + 0.03	SLEEVED
63	97	DTI	TSH + 0.07	SLEEVED
63	111	DTI	TSH + 0.09	SLEEVED
64	68	DTI	TSH + 0.07	SLEEVED
64	70	DTI	TSH + 0.04	SLEEVED
64	76	DTI	TSH + 0.04	SLEEVED
64	82	DTI	TSH + 0.04	SLEEVED
64	90	DTI	TSH - 0.04	SLEEVED
64	92	DTI	TSH + 0.05	SLEEVED
65	77	DTI	TSH + 0.05	SLEEVED
65	89	DTI	TSH + 0.04	SLEEVED
65	93	DTI	TSH + 0.02	SLEEVED
66	58	DTI	TSH + 0.04	SLEEVED
66	82	DTI	TSH + 0.04	SLEEVED
66	84	DTI	TSH + 0.03	SLEEVED
66	92	DTI	TSH + 0.01	SLEEVED
66	106	DTI	TSH + 0.02	SLEEVED
66	108	DTI	TSH + 0.05	PLUGGED
67	77	DTI	TSH + 0.00	SLEEVED
67	81	DTI	TSH - 0.06	SLEEVED
67	109	DTI	TSH + 0.19	PLUGGED
68	32	DTI	TSH + 0.06	SLEEVED
68	76	DTI	TSH + 0.05	SLEEVED
68	78	DTI	TSH + 0.03	SLEEVED
68	80	DTI	TSH + 0.10	SLEEVED
68	84	DTI	TSH + 0.11	SLEEVED
68	108	DTI	TSH + 0.03	PLUGGED
68	110	DTI	TSH + 0.00	SLEEVED
69	65	DTI	TSH + 0.00	SLEEVED
69	95	DTI	TSH + 0.25	SLEEVED
70	72	DTI	TSH + 0.04	SLEEVED
70	74	DTI	TSH + 0.03	PLUGGED
		37*TW	06H + 0.26	
70	78	DTI	TSH + 0.04	SLEEVED
71	73	DTI	TSH + 0.04	SLEEVED
71	105	DTI	TSH + 0.12	SLEEVED
71	107	DTI	TSH + 0.04	SLEEVED
71	131	DTI	TSH + 0.04	SLEEVED
72	72	DTI	TSH + 0.03	SLEEVED
72	74	DTI	TSH + 0.00	SLEEVED
72	76	DTI	TSH - 0.03	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
72	104	DTI	TSH + 0.06	SLEEVED
73	69	DTI	TSH + 0.10	SLEEVED
73	73	DTI	TSH + 0.03	SLEEVED
73	133	DTI	TSH + 0.20	SLEEVED
74	130	DTI	TSH + 0.07	SLEEVED
74	132	DTI	TSH + 0.03	SLEEVED
75	73	DTI	TSH + 0.07	SLEEVED
75	131	DTI	TSH + 0.13	PLUGGED
76	74	DTI	TSH + 0.04	SLEEVED
76	76	DTI	TSH + 0.04	PLUGGED
76	80	DTI	TSH + 0.07	SLEEVED
77	81	DTI	TSH - 0.04	SLEEVED
77	99	DTI	TSH + 0.00	SLEEVED
77	101	DTI	TSH + 0.18	SLEEVED
78	78	DTI	TSH + 0.02	SLEEVED
78	84	DTI	TSH + 0.07	SLEEVED
78	86	DTI	TSH + 0.02	SLEEVED
78	130	DTI	TSH + 0.10	SLEEVED
79	79	DTI	TSH + 0.00	SLEEVED
79	81	DTI	TSH + 0.06	SLEEVED
79	87	21XTW	TSH + 1.19	SLEEVED
		DTI	TSH + 0.01	
80	78	DTI	TSH + 0.01	SLEEVED
80	82	DTI	TSH + 0.01	SLEEVED
80	84	DTI	TSH + 0.04	PLUGGED
		31XTW	08H + 0.93	
80	90	DTI	TSH + 0.09	PLUGGED
80	92	DTI	TSH + 0.07	SLEEVED
80	94	DTI	TSH + 0.08	SLEEVED
81	63	DTI	TSH + 0.08	SLEEVED
81	93	DTI	TSH + 0.12	SLEEVED
81	127	DTI	TSH + 0.09	PLUGGED
82	80	DTI	TSH + 0.00	SLEEVED
82	86	DTI	TSH - 0.07	SLEEVED
83	83	DTI	TSH + 0.04	PLUGGED
83	125	23XTW	TSH + 3.56	
83	127	DTI	TSH + 0.03	PLUGGED
84	126	DTI	TSH + 0.07	SLEEVED
85	133	DTI	TSH + 0.03	SLEEVED
86	84	DTI	TSH + 0.16	SLEEVED
86	124	DTI	TSH + 0.08	SLEEVED
87	43	DTI	TSH + 0.12	SLEEVED
88	46	DTI	TSH + 0.13	SLEEVED
88	126	DTI	TSH + 0.12	PLUGGED
90	80	DTI	TSH + 0.08	SLEEVED
90	84	DTI	TSH + 0.31	SLEEVED
		DTI	TSH + 0.33	
90	122	DTI	TSH + 0.08	SLEEVED
91	45	DTI	TSH + 0.01	SLEEVED
91	119	DTI	TSH + 0.11	SLEEVED

TABLE 1
"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
92	46	DTI	TSH + 0.24	PLUGGED
92	78	DTI	TSH + 0.07	SLEEVED
92	118	DTI	TSH + 0.07	SLEEVED
93	45	DTI	TSH - 0.01	SLEEVED
94	44	30%TW	BW3 + 0.95	
94	46	DTI	TSH + 0.19	SLEEVED
94	50	DTI	TSH - 0.05	SLEEVED
95	119	DTI	TSH + 0.04	SLEEVED
96	46	DTI	TSH + 0.20	SLEEVED
96	84	DTI	TSH + 0.12	SLEEVED
96	118	DTI	TSH + 0.08	SLEEVED
97	115	DTI	TSH + 0.09	SLEEVED
97	121	DTI	TSH + 0.13	SLEEVED
98	84	DTI	TSH + 0.03	SLEEVED
98	110	DTI	TSH - 0.03	SLEEVED
98	116	DTI	TSH + 0.11	SLEEVED
99	109	DTI	TSH + 0.02	SLEEVED
100	78	DTI	TSH - 0.05	SLEEVED
100	122	DTI	TSH + 0.13	SLEEVED
101	69	DTI	TSH + 0.15	SLEEVED
101	73	DTI	TSH + 0.05	SLEEVED
101	79	DTI	TSH + 0.01	SLEEVED
101	109	DTI	TSH + 0.16	SLEEVED
102	72	DTI	TSH + 0.03	SLEEVED
102	76	DTI	TSH + 0.05	SLEEVED
102	82	DTI	TSH + 0.10	SLEEVED
102	84	DTI	TSH + 0.09	SLEEVED
102	94	DTI	TSH + 0.07	SLEEVED
102	106	DTI	TSH - 0.02	SLEEVED
103	63	DTI	TSH + 0.14	SLEEVED
103	69	DTI	TSH + 0.10	SLEEVED
103	97	DTI	TSH + 0.15	SLEEVED
103	105	DTI	TSH + 0.11	PLUGGED
103	107	DTI	TSH + 0.06	SLEEVED
103	109	DTI	TSH + 0.10	SLEEVED
104	78	DTI	TSH + 0.04	SLEEVED
104	82	DTI	TSH + 0.06	SLEEVED
104	92	DTI	TSH + 0.03	SLEEVED
104	96	DTI	TSH + 0.04	SLEEVED
104	108	DTI	TSH + 0.01	SLEEVED
105	61	DTI	TSH + 0.16	SLEEVED
105	63	DTI	TSH + 0.03	SLEEVED
105	67	DTI	TSH + 0.06	SLEEVED
105	69	DTI	TSH + 0.13	SLEEVED
105	71	DTI	TSH + 0.06	SLEEVED
105	73	DTI	TSH + 0.04	SLEEVED
105	77	DTI	TSH + 0.04	SLEEVED
105	79	DTI	TSH + 0.06	SLEEVED
105	85	DTI	TSH + 0.13	SLEEVED
105	103	DTI	TSH + 0.14	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
106	64	DTI	TSH + 0.00	SLEEVED
106	68	DTI	TSH + 0.09	SLEEVED
106	70	DTI	TSH + 0.14	SLEEVED
106	76	D'	TSH + 0.07	SLEEVED
106	78	DTI	TSH + 0.05	SLEEVED
106	80	DTI	TSH + 0.10	SLEEVED
106	82	DTI	TSH + 0.13	SLEEVED
106	86	DTI	TSH + 0.00	SLEEVED
106	88	DTI	TSH - 0.02	SLEEVED
106	92	DTI	TSH + 0.03	SLEEVED
106	96	DTI	TSH + 0.12	SLEEVED
106	98	DTI	TSH + 0.10	SLEEVED
106	100	DTI	TSH + 0.00	SLEEVED
106	104	DTI	TSH + 0.08	SLEEVED
107	63	DTI	TSH + 0.11	SLEEVED
107	65	DTI	TSH + 0.08	SLEEVED
107	69	DTI	TSH + 0.08	SLEEVED
107	71	DTI	TSH + 0.07	SLEEVED
107	73	DTI	TSH + 0.10	SLEEVED
107	75	DTI	TSH + 0.05	SLEEVED
107	81	DTI	TSH + 0.13	SLEEVED
107	87	DTI	TSH + 0.13	SLEEVED
107	89	DTI	TSH + 0.08	SLEEVED
107	91	DTI	TSH + 0.19	SLEEVED
107	93	DTI	TSH + 0.11	SLEEVED
107	95	DTI	TSH + 0.15	SLEEVED
107	97	68%TW	BW1 - 0.02	PLUGGED
		47%TW	BW3 - 0.90	
		58%TW	BW1 + 0.49	
108	72	DTI	TSH + 0.07	SLEEVED
108	74	DTI	TSH + 0.09	SLEEVED
108	76	DTI	TSH + 0.02	SLEEVED
108	82	DTI	TSH + 0.18	SLEEVED
108	88	DTI	TSH - 0.06	SLEEVED
108	90	DTI	TSH + 0.06	SLEEVED
108	92	DTI	TSH + 0.05	SLEEVED
108	94	DTI	TSH + 0.01	SLEEVED
109	77	DTI	TSH + 0.00	PLUGGED
109	85	DTI	TSH + 0.11	SLEEVED
110	62	DTI	TSH + 0.03	SLEEVED
110	68	DTI	TSH + 0.07	SLEEVED
110	74	DTI	TSH + 0.05	SLEEVED
110	92	DTI	TSH + 0.08	SLEEVED
111	93	DTI	TSH + 0.01	SLEEVED
111	95	DTI	TSH + 0.16	SLEEVED
113	67	DTI	TSH + 0.09	SLEEVED
113	71	DTI	TSH + 0.11	SLEEVED
113	73	DTI	TSH + 0.05	SLEEVED
113	91	DTI	TSH + 0.05	SLEEVED
113	93	DTI	TSH + 0.07	SLEEVED

TABLE 1

"A" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
114	72	DTI	TSH + 0.18	SLEEVED
115	71	DTI	TSH + 0.05	SLEEVED
120	72	DTI	TSH - 0.10	PLUGGED
133	85	DTI	TSH + 0.05	SLEEVED
139	95	DTI	TSH + 0.68	SLEEVED

LEGEND:

TSH - TUBESHEET HOT LEG SIDE
TSH + X.X - FLAW LOCATED X.X INCHES ABOVE
THE HOT LEG TUBESHEET
DSI - DISTORTED SUPPORT INDICATION
DTI - DISTORTED TUBESHEET INDICATION
OXH - "Xth" TUBE SUPPORT, HOT LEG SIDE
BWX - "Xth" BATWING SUPPORT
TW - THROUGH WALL

TABLE 2
"B" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
11	17	DTI	TSH + 0.11	SLEEVED
14	148	DTI	TSH + 0.06	SLEEVED
15	19	DTI	TSH + 0.03	SLEEVED
15	31	64XTW	01H + 0.94	PLUGGED
		DTI	TSH + 0.00	
15	145	DTI	TSH + 0.08	SLEEVED
17	147	DTI	TSH + 0.00	SLEEVED
18	154	DTI	TSH + 0.03	SLEEVED
19	55	37XTW	02H + 0.70	PLUGGED
		DTI	TSH + 0.00	
		25XTW	TSH + 1.46	
19	151	DTI	TSH + 0.00	SLEEVED
19	165	DTI	TSH + 0.17	SLEEVED
20	16	DTI	TSH + 0.09	SLEEVED
20	164	DTI	TSH + 0.07	SLEEVED
21	19	DTI	TSH + 0.04	SLEEVED
24	54	DTI	TSH + 0.11	SLEEVED
36	130	DTI	TSH + 0.02	PLUGGED
43	67	DTI	TSH + 0.06	SLEEVED
43	101	DTI	TSH + 0.02	SLEEVED
53	45	DTI	TSH + 0.12	SLEEVED
60	32	DTI	TSH + 0.00	SLEEVED
60	100	47XTW	01H + 0.85	PLUGGED
		DTI	TSH + 0.00	
66	132	DTI	TSH + 0.06	SLEEVED
67	45	DTI	TSH + 0.15	SLEEVED
68	48	DTI	TSH + 0.00	SLEEVED
74	40	DTI	TSH + 0.10	SLEEVED
76	94	DTI	TSH + 0.23	SLEEVED
81	39	DTI	TSH + 0.05	SLEEVED
81	43	DTI	TSH + 0.03	SLEEVED
81	45	DTI	TSH + 0.02	SLEEVED
81	87	DTI	TSH + 0.22	SLEEVED
84	40	DTI	TSH + 0.04	PLUGGED
84	42	DTI	TSH + 0.13	SLEEVED
		DTI	TSH + 0.10	
84	44	DTI	TSH + 0.13	SLEEVED
84	150	25XTW	BW3 + 0.00	PLUGGED
		42XTW	BW5 + 0.00	
		DTI	TSH + 0.00	
		DTI	TSH + 0.12	
87	119	DTI	TSH + 0.00	SLEEVED
90	120	DTI	TSH + 0.11	SLEEVED
91	53	DTI	TSH + 0.04	SLEEVED
91	85	DTI	TSH + 0.11	PLUGGED
91	125	DTI	TSH + 0.04	SLEEVED
93	53	DTI	TSH + 0.02	SLEEVED
94	54	DTI	TSH + 0.04	SLEEVED

TABLE 2

"B" STEAM GENERATOR

ROW	TUBE	INDICATION	LOCATION	DISPOSITION
96	116	56%TW DTI	02H + 0.51 TSH + 0.00	PLUGGED
98	52	DTI	TSH + 0.11	SLEEVED
100	106	DTI	TSH + 0.05	SLEEVED
102	96	DTI	TSH + 0.37	SLEEVED
103	65	DTI	TSH + 0.11	SLEEVED
104	60	DTI	TSH + 0.20	PLUGGED
104	68	DTI	TSH + 0.01	SLEEVED
104	90	DTI	TSH + 0.00	PLUGGED
104	106	DTI	TSH + 0.11	SLEEVED
105	61	DTI	TSH + 0.00	SLEEVED
105	69	DTI	TSH + 0.11	SLEEVED
105	89	DTI	TSH + 0.13	SLEEVED
		DTI	TSH + 0.12	
105	93	DTI	TSH + 0.14	SLEEVED
106	70	DTI	TSH + 0.34	SLEEVED
106	82	DTI	TSH + 0.04	SLEEVED
107	63	DTI	TSH + 0.13	SLEEVED
		DTI		
107	71	DTI	TSH + 0.06	SLEEVED
107	79	DTI	TSH + 0.00	SLEEVED
108	102	DTI	TSH + 0.00	SLEEVED
108	136	DTI	TSH + 0.00	SLEEVED
		DTI	TSH + 0.22	
110	70	DTI	TSH + 0.14	SLEEVED
111	71	DTI	TSH + 0.14	SLEEVED
111	73	DTI	TSH + 0.09	SLEEVED
111	85	DTI	TSH + 0.04	SLEEVED
111	94	DTI	TSH + 0.11	SLEEVED
113	99	DTI	TSH + 0.04	SLEEVED
131	113	73%TW DTI	BW1 + 0.85 TSH + 0.00	PLUGGED

LEGEND:

TSH - TUBESHEET HOT LEG SIDE
TSH + X.X - FLAW LOCATED X.X INCHES ABOVE
THE HOT LEG TUBESHEET
DSI - DISTORTED SUPPORT INDICATION
DTI - DISTORTED TUBESHEET INDICATION
OXH - "Xth" TUBE SUPPORT HOT LEG SIDE
BWX - "Xth" BATWING SUPPORT
TW - THROUGH WALL

TABLE 3	
"A" SG TUBES WITH REMOVED SEGMENTS	
ROW	LINE
13	147
55	63

TABLE 4	
"B" SG TUBES WITH REMOVED SEGMENTS	
ROW	LINE
19	55
36	130
96	116

TABLE 5	
"B" SG HOTLEG TUBE PLUGS STABILIZED	
ROW	LINE
28	100
29	69
30	70
32	70
36	92
39	83