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 RECIP. NAME RECIPIENT AFFILIATION
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SUBJECT: Forwards info re steam generator inservice insp. Insp & tube
 plugging/repair operation for End of Cycle 10 refueling
 outage completed on 871023.

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NOTES: AEOD/Ornstein:1cy.

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January 25, 1988

U.S. Nuclear Regulatory Commission
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Washington, D.C. 20555

Subject: Oconee Nuclear Station, Unit 1
Docket No. 50-269
OTSG Tube Plugging and Repair

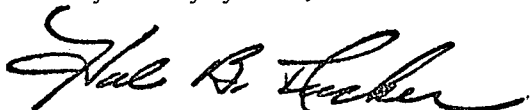
Gentlemen:

Pursuant to Oconee Nuclear Station Technical Specification 4.17.6(a), Duke Power Company is providing the following information concerning the Oconee Unit 1 steam generator inservice inspection. The inservice inspection and tube plugging/repair operation for the Unit 1 End of Cycle 10 refueling outage was completed on October 23, 1987.

There were approximately 2551 tubes inspected full length and 8140 tubes inspected partial length in the Unit 1 OTSG "A". For the Unit 1 OTSG "B", there were approximately 3962 tubes inspected full length and 8072 tubes inspected partial length.

Please find attached (Attachments 1 and 4) lists of tubes located in OTSGs "A" and "B" respectively which have eddy current indications of degraded tubes. Attachments 2 and 5 are lists of tubes from the same OTSGs which have eddy current indications of defective tubes. Attachments 3 and 6 are lists of tubes plugged or sleeved.

Very truly yours,



Hal B. Tucker

PJN/279/jgc

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NRC Resident Inspector
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A047
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Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL DEGRADED TUBES >= 20% TWD AND < 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
3	28	10/87 PR C OD	(general)	38 % TW	1.79	14	+ 0.10
6	13	10/87 PR C OD	(general)	33 % TW	3.07	14	
		10/87 PT C OD	(general)	39 % TW	2.22	14	+ 0.40
7	14	10/87 PR C OD	(general)	30 % TW	2.07	6	
		10/87 PT C OD	(general)	32 % TW	0.91	6	+ 0.30
7	50	10/87 PR C OD	(general)	23 % TW	0.93	10	
41	104	10/87 PR C OD	(general)	33 % TW	1.16	15	
47	6	10/87 PR C OD	(general)	29 % TW	1.75	10	
60	2	10/87 PR C OD	(general)	22 % TW	1.83	14	
		10/87 PT C OD	(general)	22 % TW	3.84	14	
62	115	10/87 PR C OD	(general)	35 % TW	1.79	9	
67	4	10/87 PT C OD	(general)	31 % TW	1.11	14	
72	126	10/87 PR C OD	(general)	28 % TW	2.97	11	+ 0.70
		10/87 PT C OD	(general)	23 % TW	2.57	11	+ 0.70
76	123	10/87 PR C OD	(general)	24 % TW	1.11	10	
82	127	10/87 PR C OD	(general)	21 % TW	2.18	9	
89	10	10/87 PR C OD	(general)	28 % TW	1.57	12	+ 0.80
102	6	10/87 PR C 8 x 1		28 % TW	2.30	13	
103	6	10/87 PR C 8 x 1		29 % TW	2.40	13	
105	5	10/87 PR C OD	(general)	25 % TW	1.42	10	
106	5	10/87 PR C OD	Wear/Thin	31 % TW	1.66	12	
		10/87 PR C 8 x 1		34 % TW	3.20	12	
112	2	10/87 PR C 8 x 1		39 % TW	3.98	12	
		10/87 PR C 8 x 1		38 % TW	3.80	11	
112	3	10/87 PR C 8 x 1		25 % TW	1.88	14	
		10/87 PR C 8 x 1		34 % TW	3.20	12	
		10/87 PR C 8 x 1		33 % TW	3.00	11	
112	5	10/87 PR C OD	Wear/Thin	34 % TW	1.54	14	
		10/87 PR C 8 x 1		28 % TW	2.30	14	
		10/87 PR C 8 x 1		25 % TW	1.90	12	
		10/87 PR C 8 x 1		33 % TW	2.90	11	
112	6	10/87 PR C OD	Wear/Thin	23 % TW	1.56	12	
		10/87 PR C 8 x 1		25 % TW	1.60	13	
		10/87 PR C 8 x 1		20 % TW	1.40	12	
113	2	10/87 PR C OD	Wear/Thin	25 % TW	4.00	14	
113	4	10/87 PR C OD	Wear/Thin	34 % TW	1.68	14	
		10/87 PR C 8 x 1		30 % TW	2.60	14	
114	7	10/87 PR C 8 x 1		35 % TW	3.40	14	
116	8	10/87 PR C 8 x 1		33 % TW	3.00	14	
		10/87 PT C OD	Wear/Thin	38 % TW	1.61	14	
117	5	10/87 PR C 8 x 1		35 % TW	3.40	11	
117	6	10/87 PR C 8 x 1		29 % TW	2.50	12	
117	7	10/87 PR C 8 x 1		21 % TW	1.54	12	
131	39	10/87 PT C OD	(general)	31 % TW	1.69	14	
133	84	10/87 PT C OD	(general)	31 % TW	1.30	10	
137	3	10/87 PT C OD	(general)	31 % TW	1.31	14	
147	29	10/87 PR C OD	Wear/Thin	34 % TW	0.88	11	
148	21	10/87 PR C OD	(general)	31 % TW	1.58	10	

TOTAL TUBES FOUND = 33
TOTAL INDICATIONS FOUND = 48

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL DEFECTS > /= 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
5	6	10/87 PR C OD	(general)	53 % TW	2.59	14	
		10/87 PR C OD	(general)	50 % TW	1.80	14	
5	15	10/87 PR C OD	(general)	80 % TW	8.32	14	
		10/87 PR C OD	(general)	50 % TW	8.04	14	+ 0.80
6	18	10/87 PR C OD	(general)	64 % TW	14.83	14	
9	30	10/87 PR C OD	(general)	44 % TW	1.86	12	
10	31	10/87 PR C OD	(general)	88 % TW	19.42	12	
18	72	10/87 PR C OD	(general)	40 % TW	3.09	14	
60	3	10/87 PR C OD	(general)	53 % TW	9.24	14	+ 0.30
62	16	10/87 PR C OD	(general)	50 % TW	6.47	14	
62	17	10/87 PR C OD	(general)	51 % TW	20.20	14	
66	125	10/87 PR C OD	(general)	40 % TW	4.30	14	- 0.40
		10/87 PR C 8 x 1		40 % TW	9.60	14	
66	127	10/87 PR C OD	(general)	45 % TW	2.72	10	
75	4	10/87 PR C OD	Wear/Thin	58 % TW	2.57	15	
		10/87 PT C OD	(general)	53 % TW	1.84	15	
75	6	10/87 PR C OD	Wear/Thin	44 % TW	3.24	15	
77	10	10/87 PR C OD	(general)	44 % TW	1.02	15	
83	129	10/87 PR C OD	(general)	43 % TW	1.27	14	+ 0.20
88	11	10/87 PR C OD	(general)	40 % TW	9.29	12	+ 0.70
91	9	10/87 PR C OD	(general)	46 % TW	3.52	12	
94	2	10/87 PR C OD	(general)	46 % TW	1.50	12	
102	6	10/87 PR C OD	Wear/Thin	87 % TW	2.06	14	
		10/87 PR C 8 x 1		54 % TW	6.20	14	
		10/87 PT C OD	Wear/Thin	47 % TW	1.62	14	
103	4	10/87 PR C OD	Wear/Thin	51 % TW	4.34	14	
		10/87 PR C 8 x 1		43 % TW	4.50	14	
103	6	10/87 PR C OD	Wear/Thin	78 % TW	2.46	14	
		10/87 PR C 8 x 1		61 % TW	7.20	14	
		10/87 PT C OD	Wear/Thin	53 % TW	1.98	14	
103	7	10/87 PR C OD	Wear/Thin	65 % TW	3.24	14	
		10/87 PR C 8 x 1		44 % TW	4.70	14	
104	6	10/87 PR C OD	Wear/Thin	48 % TW	1.72	14	
		10/87 PR C 8 x 1		53 % TW	6.00	14	
106	5	10/87 PR C OD	Wear/Thin	50 % TW	2.59	14	
		10/87 PR C 8 x 1		44 % TW	4.60	14	
112	2	10/87 PR C OD	Wear/Thin	51 % TW	4.21	11	
		10/87 PR C OD	Wear/Thin	54 % TW	2.55	12	
		10/87 PR C OD	Wear/Thin	42 % TW	6.84	14	
		10/87 PR C 8 x 1		65 % TW	7.90	14	
112	6	10/87 PR C OD	Wear/Thin	45 % TW	4.61	14	
		10/87 PR C 8 x 1		53 % TW	10.00	14	
113	2	10/87 PR C OD	Wear/Thin	48 % TW	2.73	11	
		10/87 PR C 8 x 1		54 % TW	6.20	14	
		10/87 PR C 8 x 1		44 % TW	4.70	11	
117	6	10/87 PR C OD	(general)	48 % TW	1.85	11	
		10/87 PR C OD	Wear/Thin	54 % TW	1.64	12	
123	84	10/87 PR C OD	(general)	56 % TW	5.68	14	
135	6	10/87 PR C OD	(general)	61 % TW	6.51	14	
136	4	10/87 PR C OD	(general)	45 % TW	3.13	14	
		10/87 PT C OD	(general)	47 % TW	3.74	14	
136	5	10/87 PR C OD	(general)	86 % TW	18.06	14	
147	38	10/87 PR C OD	(general)	66 % TW	1.98	4	
		10/87 PT C OD	(general)	53 % TW	1.96	4	

TOTAL TUBES FOUND = 33
TOTAL INDICATIONS FOUND = 54

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
5	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
5	15	10/87 PR C	SLEEVE	Design 2		14	+15.00
6	18	10/87 PR C	SLEEVE	Design 2		14	+15.00
9	30	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
10	31	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
18	72	10/87 PR C	SLEEVE	Design 2		14	+15.00
60	3	10/87 PR C	SLEEVE	Design 2		14	+15.00
62	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
62	16	10/87 PR C	SLEEVE	Design 2		14	+15.00
62	17	10/87 PR C	SLEEVE	Design 2		14	+15.00
63	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
63	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	125	10/87 PR C	SLEEVE	Design 2		14	+15.00
66	127	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
67	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
71	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	12	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	9	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	18	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	22	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	23	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	24	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	26	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	27	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	4	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	18	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	23	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
75	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	32	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	33	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	34	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	35	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	14	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	23	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	24	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	31	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	34	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	35	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	18	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	27	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	7	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	2	10/87 PR C	SLEEVE	Design 2		14	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
80	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	12	10/87 PR C	SLEEVE	Design 2	14		+15.00
84	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	11	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		UTS-PF	
89	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
89	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: A

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
90	1	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
91	9	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
94	2	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
102	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
103	4	10/87 PR C	SLEEVE	Design 2		14	+15.00
103	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
103	7	10/87 PR C	SLEEVE	Design 2		14	+15.00
104	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
106	5	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
112	2	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
112	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
113	2	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
117	6	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	
123	84	10/87 PR C	SLEEVE	Design 2		14	+15.00
135	6	10/87 PR C	SLEEVE	Design 2		14	+15.00
136	4	10/87 PR C	SLEEVE	Design 2		14	+15.00
136	5	10/87 PR C	SLEEVE	Design 2		14	+15.00
147	38	10/87 PR C	PLUG	MECH		UTS-PF	
		10/87 PR C	PLUG	MECH		LTS-PF	

TOTAL TUBES FOUND = 276
TOTAL INDICATIONS FOUND = 293

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: B

QUERY: ALL DEGRADED TUBES >= 20% AND < 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
4	41	10/87 PR C	8 x 1	38 % TW	1.10	10	
6	9	10/87 PR C	OD (general)	38 % TW	1.40	14	
6	14	10/87 PR C	8 x 1	37 % TW	2.24	10	
6	45	10/87 PR C	OD (general)	36 % TW	1.63	14	+ 0.30
7	11	10/87 PR C	OD (general)	28 % TW	1.81	14	+ 0.30
		10/87 PT C	OD (general)	33 % TW	0.88	14	+ 0.30
9	19	10/87 PR C	OD (general)	33 % TW	1.47	10	
		10/87 PR C	8 x 1	29 % TW	1.60	10	
11	20	10/87 PR C	8 x 1	30 % TW	0.78	10	
11	52	10/87 PR C	OD Wear/Thin	36 % TW	0.95	2	- 0.80
		10/87 PR C	8 x 1	27 % TW	3.00	2	
12	21	10/87 PR C	OD (general)	36 % TW	1.70	10	
		10/87 PR C	8 x 1	31 % TW	1.70	10	
13	17	10/87 PR C	8 x 1	28 % TW	1.60	10	
13	19	10/87 PR C	8 x 1	36 % TW	2.00	10	
13	68	10/87 PR C	8 x 1	20 % TW	1.20	14	
13	71	10/87 PR C	OD (general)	23 % TW	1.12	14	+ 0.30
14	31	10/87 PR C	8 x 1	38 % TW	2.40	8	
		10/87 PT C	OD (general)	35 % TW	1.71	8	
14	72	10/87 PR C	OD (general)	30 % TW	2.49	14	+ 0.20
17	80	10/87 PR C	OD (general)	36 % TW	2.92	14	
19	15	10/87 PR C	OD (general)	26 % TW	1.78	14	+ 0.50
21	86	10/87 PR C	8 x 1	37 % TW	2.20	13	
22	17	10/87 PR C	OD (general)	33 % TW	1.39	14	+ 0.60
22	91	10/87 PR C	OD (general)	28 % TW	1.29	14	+ 0.20
23	13	10/87 PR C	OD (general)	31 % TW	2.53	4	
26	88	10/87 PR C	OD (general)	22 % TW	1.86	14	
27	18	10/87 PR C	OD (general)	24 % TW	1.32	4	
29	89	10/87 PR C	OD (general)	29 % TW	1.10	14	
31	1	10/87 PR C	OD (general)	27 % TW	2.23	12	+ 0.80
		10/87 PT C	OD (general)	23 % TW	1.88	12	+ 0.90
32	72	10/87 PR C	OD (general)	36 % TW	1.75	12	
33	7	10/87 PR C	OD (general)	38 % TW	1.35	14	
37	7	10/87 PR C	8 x 1	36 % TW	2.00	10	
39	9	10/87 PR C	OD (general)	36 % TW	2.22	10	
42	111	10/87 PR C	OD (general)	33 % TW	1.86	14	
43	117	10/87 PR C	8 x 1	36 % TW	2.00	10	
45	1	10/87 PR C	OD (general)	36 % TW	1.58	2	+ 0.50
		10/87 PT C	OD (general)	36 % TW	1.57	2	+ 0.30
46	1	10/87 PR C	OD (general)	36 % TW	1.99	2	
46	11	10/87 PR C	8 x 1	37 % TW	2.30	14	
48	120	10/87 PR C	OD (general)	33 % TW	2.89	9	
49	2	10/87 PR C	OD (general)	26 % TW	1.23	13	+ 0.40
49	120	10/87 PR C	OD (general)	36 % TW	2.47	9	
50	6	10/87 PR C	OD (general)	31 % TW	1.57	13	+ 0.40
51	120	10/87 PR C	8 x 1	24 % TW	1.30	10	
54	5	10/87 PR C	8 x 1	30 % TW	1.70	14	
54	120	10/87 PR C	OD (general)	36 % TW	2.76	10	
		10/87 PR C	8 x 1	38 % TW	2.40	10	
55	120	10/87 PR C	8 x 1	34 % TW	4.00	10	
58	113	10/87 PR C	OD (general)	38 % TW	1.98	14	+ 0.10
58	126	10/87 PR C	OD (general)	36 % TW	1.48	14	
59	118	10/87 PR C	8 x 1	28 % TW	1.50	10	
60	120	10/87 PR C	8 x 1	38 % TW	2.30	14	
61	1	10/87 PR C	OD (general)	36 % TW	2.79	13	+ 0.70
63	28	10/87 PR C	OD (general)	22 % TW	2.85	15	+44.40
68	4	10/87 PR C	OD (general)	35 % TW	3.37	13	
		10/87 PT C	OD (general)	29 % TW	2.07	13	
70	129	10/87 PR C	8 x 1	36 % TW	1.90	14	
71	3	10/87 PR C	OD (general)	29 % TW	1.66	14	
74	7	10/87 PR C	OD (general)	27 % TW	1.30	14	
76	114	10/87 PR C	OD (general)	22 % TW	0.85	11	+ 0.60
76	118	10/87 PR C	OD (general)	35 % TW	1.19	12	+ 0.50
80	129	10/87 PR C	OD (general)	29 % TW	1.67	14	
81	131	10/87 PR C	8 x 1	38 % TW	5.41	13	
82	117	10/87 PR C	OD (general)	33 % TW	1.55	14	+ 0.10
82	129	10/87 PR C	OD (general)	31 % TW	2.11	13	+ 0.60

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: B

QUERY: ALL DEGRADED TUBES >= 20% AND < 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
84	124	10/87 PR C OD (general)	29 % TW	3.28	10		
		10/87 PR C OD (general)	37 % TW	2.75	14		
		10/87 PR C OD (general)	24 % TW	1.45	14	+ 0.50	
84	129	10/87 PR C OD (general)	29 % TW	2.58	14	+ 0.10	
85	124	10/87 PR C 8 x 1	33 % TW	3.86	14		
85	130	10/87 PR C OD (general)	33 % TW	2.27	10		
86	4	10/87 PR C OD (general)	23 % TW	1.01	14	+ 0.40	
86	16	10/87 PR C OD (general)	38 % TW	3.37	12		
86	125	10/87 PR C OD (general)	33 % TW	2.98	14		
87	7	10/87 PR C OD (general)	36 % TW	1.20	14		
88	3	10/87 PR C OD (general)	32 % TW	1.15	14	+ 0.70	
88	7	10/87 PR C 8 x 1	31 % TW	0.90	14		
88	124	10/87 PR C OD (general)	33 % TW	1.58	14		
90	118	10/87 PR C 8 x 1	38 % TW	2.50	9		
90	119	10/87 PR C OD (general)	28 % TW	1.58	9		
91	125	10/87 PT C OD (general)	22 % TW	2.13	11	+ 0.20	
92	117	10/87 PT C OD (general)	27 % TW	4.02	8	+32.80	
93	7	10/87 PR C 8 x 1	34 % TW	1.00	14		
93	116	10/87 PR C OD (general)	35 % TW	1.84	14	+ 0.20	
94	12	10/87 PR C OD (general)	36 % TW	2.51	14	+ 0.50	
95	11	10/87 PR C OD (general)	27 % TW	1.16	14		
95	13	10/87 PR C OD (general)	36 % TW	1.74	14		
95	117	10/87 PR C OD (general)	26 % TW	1.72	8		
96	119	10/87 PR C OD (general)	24 % TW	1.51	10		
100	121	10/87 PR C OD (general)	36 % TW	2.04	13		
102	9	10/87 PR C OD Wear/Thin	30 % TW	1.53	13		
		10/87 PR C OD Wear/Thin	30 % TW	1.37	10		
		10/87 PR C 8 x 1	31 % TW	2.70	11		
102	10	10/87 PR C 8 x 1	27 % TW	2.20	13		
103	8	10/87 PR C OD Wear/Thin	36 % TW	1.06	12		
		10/87 PR C 8 x 1	32 % TW	2.90	12		
103	53	10/87 PR C OD (general)	25 % TW	1.41	7		
103	116	10/87 PR C OD (general)	36 % TW	1.30	14		
104	9	10/87 PR C OD Wear/Thin	23 % TW	0.94	11		
104	117	10/87 PR C 8 x 1	32 % TW	3.70	10		
106	13	10/87 PR C OD (general)	35 % TW	1.62	14		
106	111	10/87 PR C 8 x 1	32 % TW	7.50	11		
106	112	10/87 PR C 8 x 1	32 % TW	7.16	13		
		10/87 PR C 8 x 1	38 % TW	4.20	10		
		10/87 PR C 8 x 1	29 % TW	6.20	11		
107	113	10/87 PR C OD (general)	29 % TW	2.93	10		
108	111	10/87 PR C OD Wear/Thin	29 % TW	2.91	13		
		10/87 PR C OD Wear/Thin	27 % TW	2.53	11		
		10/87 PR C 8 x 1	28 % TW	5.60	11		
		10/87 PT C OD Wear/Thin	25 % TW	3.06	13		
108	112	10/87 PR C OD (general)	21 % TW	1.77	10		
		10/87 PR C 8 x 1	28 % TW	5.20	10		
		10/87 PT C OD Wear/Thin	21 % TW	1.33	10		
108	113	10/87 PR C OD Wear/Thin	32 % TW	2.39	13		
		10/87 PT C OD (general)	36 % TW	3.54	13		
108	114	10/87 PR C OD Wear/Thin	27 % TW	3.72	13		
		10/87 PR C OD (general)	22 % TW	1.65	12		
		10/87 PR C 8 x 1	34 % TW	8.30	13		
		10/87 PR C 8 x 1	29 % TW	6.00	12		
		10/87 PT C OD Wear/Thin	36 % TW	3.34	13		
		10/87 PT C OD Wear/Thin	28 % TW	2.00	12		
111	1	10/87 PR C OD (general)	20 % TW	2.09	12		
		10/87 PT C OD (general)	28 % TW	1.91	12		
111	3	10/87 PR C OD (general)	36 % TW	1.94	14		
111	110	10/87 PR C OD (general)	38 % TW	2.53	10		
112	5	10/87 PR C OD (general)	29 % TW	1.77	9		
		10/87 PT C OD (general)	26 % TW	2.16	9		
112	110	10/87 PR C OD (general)	20 % TW	2.12	10		
112	117	10/87 PR C OD (general)	38 % TW	1.92	7		
115	109	10/87 PR C OD (general)	26 % TW	1.22	10		
116	1	10/87 PR C OD (general)	25 % TW	1.72	14	+ 7.20	
116	5	10/87 PR C OD (general)	30 % TW	2.09	5	+ 0.30	

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: B

QUERY: ALL DEGRADED TUBES >= 20% AND < 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
116	6	10/87 PT C	OD (general)	33 % TW	1.94	5	+ 0.30
		10/87 PR C	OD (general)	25 % TW	2.69	12	
		10/87 PT C	OD (general)	33 % TW	3.77	12	
116	22	10/87 PR C	OD (general)	34 % TW	2.36	10	
116	105	10/87 PR C	OD Wear/Thin	34 % TW	2.31	9	
117	5	10/87 PT C	OD (general)	21 % TW	1.58	5	+ 0.90
118	97	10/87 PR C	8 x 1	29 % TW	3.29	8	
120	4	10/87 PR C	OD (general)	29 % TW	1.87	14	+ 0.30
121	104	10/87 PR C	8 x 1	31 % TW	3.60	10	
123	4	10/87 PR C	OD (general)	29 % TW	1.64	3	
123	89	10/87 PT C	OD (general)	34 % TW	2.29	8	+ 0.50
124	6	10/87 PR C	OD (general)	29 % TW	1.25	4	
125	99	10/87 PR C	OD (general)	38 % TW	0.97	11	
128	20	10/87 PR C	OD (general)	34 % TW	1.81	9	
		10/87 PT C	OD (general)	39 % TW	1.37	9	
128	55	10/87 PR C	OD (general)	24 % TW	0.83	7	+ 0.10
128	92	10/87 PR C	8 x 1	23 % TW	2.50	9	
130	12	10/87 PR C	OD (general)	20 % TW	1.18	9	
		10/87 PR C	8 x 1	37 % TW	4.31	9	
130	89	10/87 PR C	OD (general)	36 % TW	1.18	9	
		10/87 PR C	8 x 1	35 % TW	4.11	9	
130	93	10/87 PR C	OD (general)	37 % TW	1.60	14	
131	5	10/87 PR C	OD (general)	32 % TW	1.40	13	+ 0.20
133	14	10/87 PR C	OD (general)	20 % TW	0.66	13	
135	16	10/87 PR C	OD (general)	30 % TW	0.88	13	
136	3	10/87 PR C	OD (general)	34 % TW	1.45	14	
136	65	10/87 PR C	OD (general)	39 % TW	1.86	9	
		10/87 PR C	8 x 1	38 % TW	5.40	9	
137	18	10/87 PR C	OD (general)	25 % TW	1.26	10	
138	5	10/87 PR C	OD (general)	21 % TW	1.82	14	+ 0.60
		10/87 PT C	OD (general)	21 % TW	3.24	14	+ 0.80
138	7	10/87 PR C	OD (general)	34 % TW	1.00	9	
		10/87 PR C	8 x 1	37 % TW	1.49	9	
139	5	10/87 PT C	OD (general)	36 % TW	3.32	13	
139	19	10/87 PR C	OD (general)	20 % TW	1.54	9	
139	65	10/87 PR C	OD (general)	27 % TW	1.27	9	
139	74	10/87 PR C	OD (general)	37 % TW	2.48	12	
141	51	10/87 PR C	8 x 1	26 % TW	0.70	10	
141	53	10/87 PR C	8 x 1	27 % TW	0.60	10	
142	20	10/87 PR C	OD (general)	29 % TW	1.93	7	
142	49	10/87 PR C	8 x 1	28 % TW	0.70	10	
142	52	10/87 PR C	8 x 1	32 % TW	1.00	10	
142	54	10/87 PR C	OD (general)	31 % TW	1.36	10	
143	56	10/87 PR C	OD (general)	31 % TW	1.62	7	+ 0.20
145	34	10/87 PR C	8 x 1	27 % TW	0.70	9	
148	34	10/87 PT C	OD (general)	31 % TW	1.34	14	+ 0.70
149	17	10/87 PR C	OD (general)	25 % TW	0.88	8	+ 0.40
150	13	10/87 PT C	OD (general)	21 % TW	2.09	8	

TOTAL TUBES FOUND = 145
TOTAL INDICATIONS FOUND = 182

Plant: OCONEE UNIT 1
Outages: 10/87 PR C 10/87 PT C

Steam Generator: B

QUERY: ALL DEFECTS > /= 40% TWD

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	2	10/87 PR C	8 x 1	40 % TW	1.80	LTS-SF	
4	40	10/87 PR C	OD (general)	44 % TW	1.58	10	
		10/87 PR C	8 x 1	43 % TW	1.90	10	
4	41	10/87 PR C	OD (general)	55 % TW	1.61	10	
6	14	10/87 PR C	OD (general)	51 % TW	2.44	10	
7	54	10/87 PR C	OD (general)	42 % TW	2.31	14	
11	11	10/87 PR C	OD (general)	66 % TW	1.77	10	
		10/87 PR C	8 x 1	44 % TW	3.60	10	
12	22	10/87 PR C	OD (general)	45 % TW	1.58	10	
		10/87 PR C	8 x 1	45 % TW	3.90	10	
14	31	10/87 PR C	OD (general)	47 % TW	1.62	8	
21	86	10/87 PR C	OD (general)	49 % TW	2.54	13	
31	89	10/87 PR C	OD (general)	55 % TW	6.46	14	+ 0.60
		10/87 PR C	8 x 1	46 % TW	4.20	14	
31	90	10/87 PR C	OD (general)	45 % TW	4.55	14	
		10/87 PR C	8 x 1	61 % TW	7.80	14	
33	8	10/87 PR C	OD (general)	68 % TW	1.34	9	
		10/87 PR C	8 x 1	40 % TW	2.80	9	
33	72	10/87 PR C	OD (general)	63 % TW	5.20	12	+ 0.30
		10/87 PR C	8 x 1	49 % TW	5.00	12	
34	72	10/87 PR C	OD (general)	60 % TW	9.89	12	
		10/87 PR C	8 x 1	67 % TW	9.80	12	
39	9	10/87 PR C	8 x 1	44 % TW	3.80	10	
43	117	10/87 PR C	OD (general)	61 % TW	1.81	10	
		10/87 PT C	OD (general)	62 % TW	2.45	10	
50	1	10/87 PR C	OD (general)	56 % TW	1.51	11	
60	120	10/87 PR C	OD (general)	49 % TW	2.29	14	
70	129	10/87 PR C	OD (general)	61 % TW	3.35	14	
78	117	10/87 PR C	OD (general)	53 % TW	4.31	14	+ 0.40
		10/87 PR C	8 x 1	44 % TW	8.33	14	
81	131	10/87 PR C	OD (general)	50 % TW	2.55	13	
84	125	10/87 PR C	OD (general)	66 % TW	9.63	14	
		10/87 PR C	8 x 1	58 % TW	16.10	14	
85	124	10/87 PR C	OD (general)	45 % TW	1.59	14	
90	118	10/87 PR C	OD (general)	49 % TW	2.17	9	+ 0.50
104	117	10/87 PR C	OD (general)	40 % TW	2.70	10	
106	111	10/87 PR C	OD Wear/Thin	73 % TW	4.77	13	
		10/87 PR C	OD Wear/Thin	66 % TW	3.24	11	
		10/87 PR C	8 x 1	42 % TW	11.65	13	
		10/87 PT C	OD (general)	40 % TW	3.75	13	
		10/87 PT C	OD Wear/Thin	66 % TW	2.27	11	
106	112	10/87 PR C	OD Wear/Thin	49 % TW	2.28	10	
		10/87 PR C	OD Wear/Thin	67 % TW	3.68	13	
		10/87 PR C	OD Wear/Thin	54 % TW	2.31	11	
		10/87 PT C	OD Wear/Thin	48 % TW	3.65	13	
		10/87 PT C	OD Wear/Thin	55 % TW	1.60	11	
107	9	10/87 PR C	OD (general)	46 % TW	3.86	14	
		10/87 PR C	8 x 1	53 % TW	4.50	14	
		10/87 PT C	OD (general)	46 % TW	6.14	14	
107	113	10/87 PR C	8 x 1	41 % TW	3.00	10	
108	113	10/87 PR C	8 x 1	41 % TW	11.00	13	
134	65	10/87 PR C	OD (general)	53 % TW	1.75	9	
		10/87 PR C	8 x 1	40 % TW	4.31	9	
137	17	10/87 PR C	OD (general)	42 % TW	2.05	10	+ 0.30
		10/87 PT C	OD (general)	54 % TW	3.61	10	+ 0.50
138	19	10/87 PR C	OD (general)	42 % TW	1.53	9	
		10/87 PR C	8 x 1	43 % TW	8.00	9	
139	5	10/87 PR C	OD (general)	45 % TW	5.32	13	
		10/87 PR C	8 x 1	66 % TW	7.10	13	
142	52	10/87 PR C	OD (general)	49 % TW	1.87	10	
143	13	10/87 PR C	OD (general)	49 % TW	2.37	9	
		10/87 PR C	8 x 1	43 % TW	2.50	9	
143	46	10/87 PR C	OD (general)	51 % TW	2.91	10	
		10/87 PR C	8 x 1	43 % TW	2.50	10	

TOTAL TUBES FOUND = 37
TOTAL INDICATIONS FOUND = 64

Plant: OCONEE UNIT 1
Outage: 10/87 PR C

Steam Generator: B

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	2	10/87 PR C	PLUG	MECH-STA		UTS-PF	
4	40	10/87 PR C	PLUG	MECH-STA		UTS-PF	
4	41	10/87 PR C	PLUG	MECH-STA		UTS-PF	
6	14	10/87 PR C	PLUG	MECH		UTS-PF	
7	54	10/87 PR C	PLUG	MECH-STA		UTS-PF	
11	11	10/87 PR C	PLUG	MECH		UTS-PF	
12	22	10/87 PR C	PLUG	MECH		UTS-PF	
14	31	10/87 PR C	PLUG	MECH		UTS-PF	
21	86	10/87 PR C	PLUG	MECH		UTS-PF	
31	89	10/87 PR C	PLUG	MECH		UTS-PF	
31	90	10/87 PR C	PLUG	MECH		UTS-PF	
33	8	10/87 PR C	PLUG	MECH		UTS-PF	
33	72	10/87 PR C	PLUG	MECH		UTS-PF	
34	72	10/87 PR C	PLUG	MECH		UTS-PF	
39	9	10/87 PR C	PLUG	MECH		UTS-PF	
43	117	10/87 PR C	PLUG	MECH		UTS-PF	
50	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
54	120	10/87 PR C	PLUG	MECH		UTS-PF	
60	120	10/87 PR C	PLUG	MECH		UTS-PF	
62	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
63	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
63	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
64	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
64	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
65	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
65	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
66	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
66	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
		10/87 PR C	SLEEVE	Design 2		14	+15.00
67	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
67	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
67	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
68	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	4	10/87 PR C	PLUG	MECH		UTS-PF	
68	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
68	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
69	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
70	129	10/87 PR C	PLUG	MECH		UTS-PF	
71	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
71	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

***** B&W TUBAN(TM) (VER. 3.0)***** MONDAY JANUARY 25, 1988

11:34 AM ***** BABCOCK & WILCOX CO. ***** Page

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Plant: OCONEE UNIT 1
Outage: 10/87 PR C

Steam Generator: B

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
71	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
71	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
72	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
		10/87 PR C	SLEEVE	Design 2	14		+15.00
72	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
72	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
73	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
73	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
74	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
		10/87 PR C	SLEEVE	Design 2	14		+15.00
74	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
		10/87 PR C	SLEEVE	Design 2	14		+15.00
74	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	18	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	22	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	23	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	24	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	26	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	27	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
74	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	22	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	23	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	24	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	26	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	27	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
 Outage: 10/87 PR C

Steam Generator: B

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
75	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	30	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	31	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	32	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	33	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	34	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
75	35	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	16	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	26	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	30	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	31	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	32	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	33	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	34	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
77	35	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	8	10/87 PR C	SLEEVE	Design 2	14	UTS-PF	+15.00
78	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	13	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	14	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	15	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	17	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	18	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	19	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	20	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	21	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	22	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	25	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	26	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	27	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	28	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	29	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
78	117	10/87 PR C	PLUG	MECH		UTS-PF	
79	1	10/87 PR C	PLUG	MECH-ST		UTS-PF	
79	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
79	12	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	1	10/87 PR C	PLUG	MECH-ST		UTS-PF	
80	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	3	10/87 PR C	PLUG	MECH		UTS-PF	
80	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00

Plant: OCONEE UNIT 1
Outage: 10/87 PR C

Steam Generator: B

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
80	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
80	11	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
81	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	9	10/87 PR C	SLEEVE	Design 2	14	UTS-PF	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	10	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
81	131	10/87 PR C	PLUG	MECH-STA		UTS-PF	
82	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
82	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
82	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
83	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	3	10/87 PR C	PLUG	MECH		UTS-PF	
83	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	8	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
83	9	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
84	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	7	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
84	125	10/87 PR C	PLUG	MECH		UTS-PF	
85	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
85	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	6	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
85	124	10/87 PR C	PLUG	MECH		UTS-PF	
86	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
86	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	4	10/87 PR C	SLEEVE	Design 2	14	UTS-PF	+15.00
		10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
86	5	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
87	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
87	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
88	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	3	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
88	4	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
89	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
89	2	10/87 PR C	SLEEVE	Design 1		UTS-PF	+80.00
90	1	10/87 PR C	PLUG	MECH-STA		UTS-PF	
90	118	10/87 PR C	PLUG	MECH		UTS-PF	
104	117	10/87 PR C	PLUG	MECH		UTS-PF	
106	111	10/87 PR C	PLUG	MECH		UTS-PF	
106	112	10/87 PR C	PLUG	MECH		UTS-PF	
107	9	10/87 PR C	PLUG	MECH		UTS-PF	
107	113	10/87 PR C	PLUG	MECH		UTS-PF	
108	113	10/87 PR C	PLUG	MECH		UTS-PF	

***** B&W TUBAN(TM) (VER. 3.0)***** MONDAY JANUARY 25, 1988

11:35 AM ***** BABCOCK & WILCOX CO. ***** Page

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Plant: OCONEE UNIT 1
 Outage: 10/87 PR C

Steam Generator: B

QUERY: ALL TUBES PLUGGED OR SLEEVED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
130	12	10/87 PR C	PLUG	MECH		UTS-PF	
130	89	10/87 PR C	PLUG	MECH		UTS-PF	
134	65	10/87 PR C	PLUG	MECH		UTS-PF	
136	65	10/87 PR C	PLUG	MECH		UTS-PF	
137	17	10/87 PR C	PLUG	MECH		UTS-PF	
138	7	10/87 PR C	PLUG	MECH		UTS-PF	
138	19	10/87 PR C	PLUG	MECH		UTS-PF	
139	5	10/87 PR C	PLUG	MECH		UTS-PF	
142	52	10/87 PR C	PLUG	MECH		UTS-PF	
143	13	10/87 PR C	PLUG	MECH		UTS-PF	
143	46	10/87 PR C	PLUG	MECH		UTS-PF	

TOTAL TUBES FOUND = 272
 TOTAL INDICATIONS FOUND = 279