

ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8812140200 DOC.DATE: 88/12/07 NOTARIZED: NO
 FACIL:50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.
 AUTH.NAME AUTHOR AFFILIATION
 TUCKER,H.B. Duke Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

DOCKET #
 05000287

Document Control Branch (Document Control Desk)

SUBJECT: Forwards lists of tubes having eddy current indications of degraded tubes,per SG inservice insp completed on 880907.

DISTRIBUTION CODE: A047D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 11
 TITLE: OR Submittal: Inservice Inspection/Testing/Relief from ASME Code

NOTES:

	RECIPIENT ID CODE/NAME	COPIES		RECIPIENT ID CODE/NAME	COPIES	
		LTTR	ENCL		LTTR	ENCL
	PD2-3 LA	1	0	PD2-3 PD	5	5
	PASTIS,H	1	1			
INTERNAL:	ACRS	6	6	AEOD/DSP/TPAB	1	1
	ARM/DAF/LFMB	1	0	NRR/DEST/MEB 9H	1	1
	NRR/DEST/MTB 9H	1	1	NUDOCS-ABSTRACT	1	1
	OGC/HDS2	1	0	<u>REG FILE 01</u>	1	1
	RES/DSIR/EIB	1	1			
EXTERNAL:	EG&G ROCKHOLD,H	1	1	LPDR	1	1
	NL 007 HEMMING	1	1	NRC PDR	1	1
	NSIC	1	1			

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK,
 ROOM P1-37 (EXT. 20079) TO ELIMINATE YOUR NAME FROM DISTRIBUTION
 LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 26 ENCL 23

m/A-4
cc

R
I
D
S
/
A
D
D
S

R
I
D
S
/
A
D
D
S

Duke Power Company
P.O. Box 33198
Charlotte, N.C. 28242

HAL B. Tucker
Vice President
Nuclear Production
(704)373-4531



DUKE POWER

December 7, 1988

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

Subject: Oconee Nuclear Station, Unit 3
Docket No. 50-287
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 3 steam generator inservice inspection. The inservice inspection and tube plugging/repair operation for the Unit 3 End of Cycle 10 refueling outage was completed on September 7, 1988.

There were approximately 8342 tubes inspected full length in the Unit 3 OTSG "A". For the Unit 3 OTSG "B", there were approximately 8256 tubes inspected full length.

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

Very Truly Yours,

Hal B. Tucker

PJN

xc: Mr. M.L. Ernst, Acting Regional Administrator
U.S. Nuclear Regulatory Commission - Region II
101 Marietta Street, NW, Suite 2900
Atlanta, GA 30323

Ms. Helen Pastis
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. P.H. Skinner
NRC Resident Inspector
Oconee Nuclear Station

8812140200 881207
PDR ADDCK 05000287
Q FDC

A047
11

TABLE 1

Oconee Nuclear Station Unit 3
Steam Generators
8/88 Inspection Reports

	<u>"A" OTSG</u>		<u>"B" OTSG</u>	
	# of tubes	Attachment # for additional information	# of tubes	Attachment # for additional information
1. Tubes Inspected:				
Full Length:	8342	NA	8256	NA
2. Indications of Imperfections:				
Degraded tubes ($\geq 20\%$ TWD)	33	1	24	3
3. Tubes Repaired:	167	2	101	4
Plugged Tubes:	18	2	4	4
Sleeved Tubes:	150	2	97	4

OTSG = Once Through Steam Generator

TWD = Through Wall Depth

UTPF = Upper Tube Sheet Primary Face

TSP = Tube Support Plate

Plant: OCONEE UNIT 3
Outage: 08/88 RFD

Steam Generator: A

QUERY: ATTACHMENT 1 DEGRADED TUBES

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
4	5	08/88 RFD	OD Wear/Thin	29 % TW	0.76	14	
		08/88 RFD	OD Wear/Thin	53 % TW	1.30	11	
		08/88 RFD	8 x 1	23 % TW	6.11	11	
4	6	08/88 RFD	OD Wear/Thin	44 % TW	1.49	12	
		08/88 RFD	OD Wear/Thin	38 % TW	1.21	11	
		08/88 RFD	8 x 1	28 % TW	7.69	12	
6	1	08/88 RFD	8 x 1	22 % TW	5.62	15	+17.70
10	25	08/88 RFD	OD (general)	32 % TW	1.63	15	+ 0.50
10	26	08/88 RFD	OD (general)	40 % TW	1.29	15	
15	78	08/88 RFD	OD (general)	45 % TW	1.55	LTS-SF	+ 0.30
16	79	08/88 RFD	OD (general)	21 % TW	1.50	14	
		08/88 RFD	OD (general)	21 % TW	0.72	LTS-SF	+ 0.70
16	80	08/88 RFD	OD (general)	41 % TW	2.10	LTS-SF	+ 0.70
		08/88 RFD	8 x 1	24 % TW	4.99	LTS-SF	+ 0.70
17	3	08/88 RFD	OD (general)	49 % TW	0.84	9	
17	6	08/88 RFD	OD (general)	23 % TW	1.13	12	
26	1	08/88 RFD	OD (general)	39 % TW	0.82	14	+ 1.40
29	1	08/88 RFD	OD (general)	34 % TW	1.24	15	+ 0.50
31	3	08/88 RFD	OD (general)	35 % TW	1.25	10	
		08/88 RFD	8 x 1	51 % TW	3.60	10	
32	3	08/88 RFD	OD (general)	37 % TW	0.89	10	
		08/88 RFD	8 x 1	26 % TW	1.07	10	
33	20	08/88 RFD	OD (general)	39 % TW	0.81	14	
		08/88 RFD	8 x 1	34 % TW	1.79	14	+ 0.10
34	3	08/88 RFD	OD (general)	31 % TW	0.67	10	
34	20	08/88 RFD	OD (general)	33 % TW	1.28	15	
39	12	08/88 RFD	OD (general)	37 % TW	6.03	LTS-SF	+29.30
		08/88 RFD	OD (general)	48 % TW	4.53	LTS-SF	+30.70
		08/88 RFD	OD (general)	22 % TW	1.29	2	+ 0.20
		08/88 RFD	OD (general)	24 % TW	2.17	2	
		08/88 RFD	8 x 1	31 % TW	6.80	LTS-SF	+23.00
42	59	08/88 RFD	OD (general)	60 % TW	0.54	LTS-SF	+21.80
45	5	08/88 RFD	OD (general)	31 % TW	1.34	14	
53	10	08/88 RFD	OD (general)	45 % TW	1.09	14	+12.50
68	3	08/88 RFD	8 x 1	38 % TW	2.11	15	
74	2	08/88 RFD	OD (general)	36 % TW	0.89	4	
79	105	08/88 RFD	OD (general)	28 % TW	1.14	14	
80	5	08/88 RFD	OD (general)	22 % TW	1.14	12	
82	129	08/88 RFD	OD (general)	36 % TW	1.37	11	+ 0.20
89	1	08/88 RFD	8 x 1	53 % TW	3.85	15	
107	119	08/88 RFD	OD (general)	42 % TW	1.03	13	
		08/88 RFD	8 x 1	23 % TW	5.97	13	
109	115	08/88 RFD	OD (general)	38 % TW	1.53	13	
111	13	08/88 RFD	OD (general)	51 % TW	1.09	3	+38.00
124	73	08/88 RFD	OD Long. Crack	27 % TW	2.03	LTS-SF	+22.60
147	16	08/88 RFD	OD (general)	37 % TW	0.69	14	+ 0.80
		08/88 RFD	8 x 1	21 % TW	3.90	14	+ 0.70
149	10	08/88 RFD	OD (general)	38 % TW	0.79	14	+ 0.40

TOTAL TUBES FOUND = 33
TOTAL INDICATIONS FOUND = 48TOTAL TUBES IN INPUT FILE = 15531
TOTAL TUBES INSPECTED = 8371

Plant: OCONEE UNIT 3
Outage: 08/88 RFO

Steam Generator: A

QUERY: ATTACHMENT 2 TUBES REPAIRED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
10	26	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
15	78	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
16	80	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
17	3	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
31	3	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
39	12	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
42	69	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
53	10	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
62	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
63	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
63	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
64	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
64	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
64	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
65	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
65	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
66	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
66	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
66	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
67	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
67	3	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
67	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
67	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
68	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
68	3	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
68	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
68	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
68	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
		08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
71	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	

Plant: OCONEE UNIT 3
Outage: 08/88 RFO

Steam Generator: A

QUERY: ATTACHMENT 2 TUBES REPAIRED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
73	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	10	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	2	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
74	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	10	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	11	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	12	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	13	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	14	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	15	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	16	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	17	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	18	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	19	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	20	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	21	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	22	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	23	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	24	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	25	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	26	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	27	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	28	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	29	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	2	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
75	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	11	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	12	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	13	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	14	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	15	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	16	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	17	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	18	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	19	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	20	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	21	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	22	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	23	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	24	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	

Plant: OCONEE UNIT 3
Outage: 08/88 RFO

Steam Generator: A

QUERY: ATTACHMENT 2 TUBES REPAIRED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
78	25	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	26	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	27	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	28	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
78	29	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	10	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	11	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
79	12	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
80	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
80	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
80	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
80	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
81	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
82	129	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
83	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
83	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
83	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
83	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
84	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
84	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
84	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
84	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
85	3	08/88 RFO	PLUG	MECH-ST	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
86	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
86	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
87	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
89	1	08/88 RFO	PLUG	MECH-ST	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
107	119	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
111	13	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		

TOTAL TUBES FOUND = 167
TOTAL INDICATIONS FOUND = 186

TOTAL TUBES IN INPUT FILE = 15531
TOTAL TUBES INSPECTED = 8371

Plant: OCONEE UNIT 3
Outage: 08/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 3 DEGRADED TUBES

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
8	16	08/88 RFD	OD (general)	32 % TW	1.13	10	- 0.10
9	3	08/88 RFD	OD (general)	20 % TW	1.60	LTS-SF	
28	88	08/88 RFD	OD (general)	34 % TW	0.72	13	
33	88	08/88 RFD	OD (general)	20 % TW	1.14	15	
40	1	08/88 RFD	OD (general)	26 % TW	0.98	14	+ 0.60
46	4	08/88 RFD	OD (general)	29 % TW	1.00	10	
52	45	08/88 RFD	OD (general)	51 % TW	1.10	13	
54	47	08/88 RFD	OD (general)	38 % TW	0.96	13	+16.80
62	115	08/88 RFD	OD (general)	32 % TW	0.80	14	+ 0.60
63	120	08/88 RFD	OD (general)	41 % TW	1.08	14	
65	115	08/88 RFD	OD (general)	35 % TW	0.86	14	
75	13	08/88 RFD	OD Wear/Thin	37 % TW	1.38	15	
75	21	08/88 RFD	OD Wear/Thin	48 % TW	1.22	15	
76	118	08/88 RFD	OD (general)	22 % TW	0.77	11	+25.10
77	28	08/88 RFD	OD (general)	26 % TW	1.24	15	
78	24	08/88 RFD	OD (general)	31 % TW	0.87	15	
80	123	08/88 RFD	OD (general)	27 % TW	0.49	14	+ 0.90
83	132	08/88 RFD	OD (general)	24 % TW	0.96	14	
104	93	08/88 RFD	8 x I	20 % TW	5.01	LTS-SF	+19.00
116	97	08/88 RFD	OD (general)	21 % TW	1.36	14	
118	88	08/88 RFD	OD (general)	27 % TW	2.80	14	
118	88	08/88 RFD	8 x I	22 % TW	6.39	14	
118	89	08/88 RFD	OD (general)	48 % TW	3.04	14	
118	89	08/88 RFD	8 x I	32 % TW	10.68	14	
126	10	08/88 RFD	OD (general)	35 % TW	0.92	14	+ 0.20
142	6	08/88 RFD	OD (general)	34 % TW	1.42	9	
		08/88 RFD	8 x I	24 % TW	7.13	9	

TOTAL TUBES FOUND = 24
TOTAL INDICATIONS FOUND = 27

TOTAL TUBES IN INPUT FILE = 15531
TOTAL TUBES INSPECTED = 8278

Plant: OCONEE UNIT 3
Outage: 08/88 RFO

Steam Generator: B

QUERY: ATTACHMENT 4 TUBES REPAIRED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
52	45	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
63	120	08/88 RFO	PLUG	MECH	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
68	3	08/88 RFO	PLUG	MECH-STA	UTS-PF		
		08/88 RFO	PLUG	MECH	LTS-PF		
69	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
69	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
70	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
71	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
72	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	2	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
73	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	9	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	10	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
74	11	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	1	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	7	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	12	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	13	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	14	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	15	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	16	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	17	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	18	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	19	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	20	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	21	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	22	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	23	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	24	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	25	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	26	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	27	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	28	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	29	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
75	30	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	3	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	4	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	5	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	6	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	8	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	22	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	23	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	24	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	25	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	26	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	27	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	
77	28	08/88 RFO	SLEEVE	Design 1	UTS-PF	+80.00	

Plant: OGDNEE UNIT 3
Outage: 08/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 4 TUBES REPAIRED

ROW	TUBE	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
77	29	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
77	30	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	3	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	4	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	5	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	7	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	8	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	9	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	10	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	11	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	12	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	13	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	14	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	15	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	17	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	18	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	19	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	20	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	21	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	22	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	23	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	24	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
78	25	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	1	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	2	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	3	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	4	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	5	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	6	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
79	7	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
80	1	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
80	2	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
81	1	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
81	2	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
82	1	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
83	1	08/88 RFD	SLEEVE	Design 1	UTS-PF	+80.00	
118	89	08/88 RFD	PLUG	MECH	UTS-PF		
		08/88 RFD	PLUG	MECH	LTS-PF		

TOTAL TUBES FOUND = 101
TOTAL INDICATIONS FOUND = 105

TOTAL TUBES IN INPUT FILE = 15531
TOTAL TUBES INSPECTED = 8278

Plant: OGDNEE UNIT 3
Outage: 08/88 RFO

Steam Generator: B

Tubes Inspected EC

ELEVATION 08/88 RFO

1. UTS-PF	8261
2. UTS-M	8261
3. UTS-SF	8278
4. UTS-15	8278
5. 15	8278
6. 15-14	8278
7. 14	8278
8. 14-13	8278
9. 13	8278
10. 13-12	8278
11. 12	8278
12. 12-11	8278
13. 11	8278
14. 11-10	8278
15. 10	8278
16. 10-9	8278
17. 9	8278
18. 9-8	8278
19. 8	8278
20. 8-7	8278
21. 7	8278
22. 7-6	8278
23. 6	8278
24. 6-5	8278
25. 5	8278
26. 5-4	8278
27. 4	8278
28. 4-3	8278
29. 3	8278
30. 3-2	8278
31. 2	8278
32. 2-1	8278
33. 1	8278
34. 1-LTS	8278
35. LTS-SF	8278
36. LTS-M	8256
37. LTS-PF	8256

TOTAL TUBES: 8278

Plant: OCONEE UNIT 3
Outage: 08/88 RFD

Steam Generator: A.

Tubes Inspected EC

ELEVATION 08/88 RFD

1. UTS-PF	8342
2. UTS-M	8342
3. UTS-SF	8371
4. UTS-15	8371
5. 15	8371
6. 15-14	8371
7. 14	8371
8. 14-13	8371
9. 13	8371
10. 13-12	8371
11. 12	8371
12. 12-11	8371
13. 11	8371
14. 11-10	8371
15. 10	8371
16. 10-9	8371
17. 9	8371
18. 9-8	8371
19. 8	8371
20. 8-7	8371
21. 7	8371
22. 7-6	8371
23. 6	8371
24. 6-5	8371
25. 5	8371
26. 5-4	8371
27. 4	8371
28. 4-3	8371
29. 3	8371
30. 3-2	8371
31. 2	8371
32. 2-1	8371
33. 1	8371
34. 1-LTS	8371
35. LTS-SF	8371
36. LTS-M	8371
37. LTS-PF	8371

TOTAL TUBES: 8371