

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9112170329      DOC. DATE: 91/12/03      NOTARIZED: NO      DOCKET #  
 FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co.      05000269  
 AUTH. NAME      AUTHOR AFFILIATION  
 HAMPTON, J.W.      Duke Power Co.  
 RECIP. NAME      RECIPIENT AFFILIATION  
                          Document Control Branch (Document Control Desk)

SUBJECT: "Oconee Unit 1 Steam Generator Tubing Surveillance 3-Month Inservice Insp Rept, End-of-Cycle 13 Outage."

DISTRIBUTION CODE: A001D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 8  
 TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT		COPIES			RECIPIENT		COPIES	
	ID	CODE/NAME	LTTR	ENCL		ID	CODE/NAME	LTTR	ENCL
	PD2-3	LA	1	1		PD2-3	PD	1	1
	WIENS,	L	2	2					
INTERNAL:	ACRS		6	6		NRR/DET/ECMB	7D	1	1
	NRR/DET/ESGB		1	1		NRR/DOEA/OTSB11		1	1
	NRR/DST	8E2	1	1		NRR/DST/SELB	7E	1	1
	NRR/DST/SICB8H7		1	1		NRR/DST/SRXB	8E	1	1
	NUDOCS-ABSTRACT		1	1		OC/LFMB		1	0
	OGC/HDS2		1	0		REG FILE	01	1	1
	RES/DSIR/EIB		1	1					
EXTERNAL:	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    24    ENCL    22

*MA*  
*edw*

R  
I  
D  
S  
/  
A  
D  
D  
S  
/  
A  
D  
D  
S  
/  
A  
D  
D  
S

Duke Power Company  
Oconee Nuclear Generation Department  
P.O. Box 1439  
Seneca, SC 29679

J.W. HAMPTON  
Vice President  
(803)885-3499 Office  
(704)373-5222 FAX



DUKE POWER

December 3, 1991

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Oconee Nuclear Station  
Docket No. 50-269  
Unit 1 Steam Generator Tubing Surveillance  
3-Month Inservice Inspection Report  
EOC-13 Outage

Pursuant to Technical Specification 4.17.6b, the following information is submitted:

1. The following quantities of tubes were inspected full length from the inlet or the outlet of the steam generators:

Steam Generator	Tubes Inspected Full Length
A	9096
B	9254

2. The following information is submitted concerning the indications of degradation. (The attached list identifies the location and percent of wall-thickness penetration for each indication of a degraded tube)

Steam Generator	Attachment
A	1
B	2

3. The attached list identifies the locations of tubes plugged. There were no tubes repaired by sleeving in either steam generator.

Steam Generator	Attachment
A	3
B	4

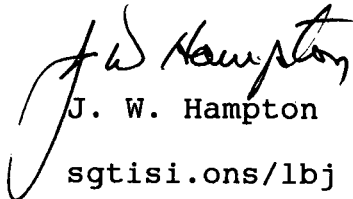
9112170329 911203  
PDR ADOCK 05000269  
Q PDR

A001  
11

Document Control Desk  
December 3, 1991  
Page 2

Contact Luellen Jones at (704) 373-2102 with questions or comments.

Very truly yours,

  
J. W. Hampton  
sgtisi.ons/lbj

Attachments

xc: S. D. Ebnetter, Regional Administrator  
U. S. Nuclear Regulatory Commission, Region II  
101 Marietta Street, NW Suite 2900  
Atlanta, GA 30323

L. A. Wiens, Projects Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

P. E. Harmon  
Sr. Resident Inspector  
Oconee Nuclear Station

Plant: Oconee Unit 1  
 Outage: 08/91 RFO

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF DEGRADATION

TEST	ROW	COL	IND	XTW	VOLTS	CHN	DEG	LOCATION	EXTENT	LEG	TAPE	ANLST	PRB	COMMENTS
BOBBIN	4	5	ODI	22	0.54	3	107	14TH TSP+	1.23	FL	LTPF	107	D3162	480
BOBBIN	4	9	ODI	90	2.48	17	36	10TH TSP-	0.90	FL	LTPF	107	D3162	480
BOBBIN	7	14	ODI	23	1.07	3	106	6TH TSP +	1.18	FL	LTPF	109	W6871	480
BOBBIN	7	50	ODI	34	0.67	17	93	10TH TSP+	0.75	FL	LTPF	150	C3556	500
BOBBIN	18	43	ODI	81	5.50	17	60	14TH TSP+	1.11	FL	LTPF	121	M0155	480
BOBBIN	19	43	ODI	38	0.73	17	90	14TH TSP+	0.78	FL	LTPF	122	T9924	480
BOBBIN	19	80	ODI	22	0.93	17	98	10TH TSP+	0.43	FL	LTPF	121	W4892	480
BOBBIN	23	40	ODI	26	0.67	17	101	8TH TSP +	0.36	FL	LTPF	47	L7871	500
SPEC. INT.	33	104	WAR	25	0.13	17	0	15TH TSP+	0.69	15TH TSP	UTPF	5	T7072	500
SPEC. INT.	34	103	WAR	24	0.12	17	0	15TH TSP+	0.64	15TH TSP	UTPF	5	T7072	500
BOBBIN	37	109	ODI	50	1.11	17	83	9TH TSP +	0.86	FL	LTPF	64	B5926	480
BOBBIN	41	104	ODI	48	0.67	17	85	15TH TSP-	0.85	FL	LTPF	79	D3162	480
BOBBIN	56	6	ODI	24	0.78	17	97	14TH TSP+	1.18	FL	LTPF	53	L7871	480
BOBBIN	60	2	ODI	34	2.31	17	94	14TH TSP+	0.69	FL	LTPF	127	M0155	480
BOBBIN	62	115	ODI	37	1.08	17	95	9TH TSP +	0.39	FL	LTPF	94	N0942	480
BOBBIN	66	3	ODI	30	1.14	3	102	14TH TSP+	1.30	14TH TSP	LTPF	144	T7072	500
BOBBIN	76	123	ODI	24	0.72	17	102	10TH TSP+	0.65	FL	UTPF	138	T7072	500
BOBBIN	81	3	ODI	27	1.10	17	99	14TH TSP+	1.48	14TH TSP	LTPF	142	M0155	500
BOBBIN	82	125	ODI	25	0.96	17	97	9TH TSP +	0.67	FL	LTPF	152	N0942	500
BOBBIN	86	5	ODI	65	9.08	3	75	14TH TSP+	1.18	15TH TSP	LTPF	145	T7072	500
BOBBIN	87	117	ODI	38	0.98	17	93	14TH TSP+	0.85	FL	UTPF	93	R4142	480
BOBBIN	115	5	WAR	31	1.06	17	92	14TH TSP+	0.00	FL	LTPF	42	D3162	480
SPEC. INT.			WAR	33	0.17	17	0	14TH TSP+	0.00	14TH TSP	LTPF	6	N7035	500
SPEC. INT.			WAR	31	0.16	17	0	11TH TSP+	0.00	11TH TSP	LTPF	6	N7035	500
BOBBIN	116	8	WAR	35	1.26	17	90	14TH TSP+	0.00	FL	LTPF	42	D3162	480
SPEC. INT.			WAR	35	0.19	17	75	14TH TSP+	0.00	14TH TSP	LTPF	6	N7035	500
SPEC. INT.			WAR	26	0.12	17	0	13TH TSP+	0.00	13TH TSP	LTPF	6	N7035	500
BOBBIN	116	113	ODI	27	4.49	3	103	14TH TSP+	1.27	FL	LTPF	37	H3921	480
BOBBIN	120	102	ODI	24	0.74	17	93	9TH TSP +	0.62	FL	LTPF	32	N0942	480
BOBBIN	129	56	ODI	63	4.06	17	76	14TH TSP+	0.72	FL	LTPF	24	N7035	480
BOBBIN	137	3	ODI	33	1.20	17	101	14TH TSP+	1.13	FL	LTPF	14	B3720	480
BOBBIN	144	34	ODI	33	0.97	17	75	9TH TSP -	0.10	FL	LTPF	5	W4892	480
BOBBIN	148	21	ODI	20	1.12	17	97	10TH TSP+	0.56	FL	LTPF	8	B0690	480

TOTAL TUBES FOUND = 29  
 TOTAL INDICATIONS FOUND = 33  
 TOTAL TUBES IN INPUT FILE = 15531

Plant: Oconee Unit 1 Steam Generator: B  
 Outage: 08/91 RFO

QUERY: ATTACHMENT 2 INDICATIONS OF DEGRADATION

TEST	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT	LEG	TAPE	ANLST	PRB	COMMENTS
BOBBIN	1	8	ODI	31	0.77	17	92	10TH TSP+	0.41	FL	LTPF	1	L7871	510
BOBBIN	3	30	ODI	24	0.83	17	95	10TH TSP-	0.42	FL	LTPF	2	T7072	510
BOBBIN	4	15	ODI	63	1.34	17	71	LTSF	+ 0.01	FL	LTPF	3	N0942	510
BOBBIN	4	35	ODI	33	1.36	17	90	14TH TSP+	0.97	FL	LTPF	2	T7072	510
BOBBIN	5	39	ODI	41	2.05	17	85	14TH TSP-	0.95	FL	LTPF	3	N0942	510
BOBBIN	6	19	ODI	39	0.99	17	91	14TH TSP+	0.80	FL	LTPF	4	L7871	510
BOBBIN	6	49	ODI	36	1.10	17	88	10TH TSP+	0.10	FL	LTPF	3	N0942	510
BOBBIN	7	11	ODI	26	0.93	17	95	14TH TSP+	1.03	FL	LTPF	4	L7871	510
BOBBIN	7	50	ODI	57	5.71	17	76	14TH TSP+	0.60	FL	LTPF	5	W4892	510
BOBBIN	7	51	ODI	54	2.32	17	78	14TH TSP+	0.91	FL	LTPF	5	W4892	510
BOBBIN	9	2	ODI	25	0.86	3	104	14TH TSP+	1.96	FL	LTPF	6	B3720	510
BOBBIN	10	21	ODI	38	0.86	17	86	14TH TSP+	0.90	FL	LTPF	7	L7871	510
BOBBIN	12	6	ODI	43	1.39	17	85	14TH TSP+	0.72	FL	LTPF	9	B3720	510
BOBBIN	12	19	ODI	36	1.01	17	90	10TH TSP-	0.68	FL	LTPF	9	B3720	510
BOBBIN	12	48	ODI	22	1.16	17	97	14TH TSP+	0.55	FL	LTPF	8	L7871	510
BOBBIN	13	70	ODI	25	0.63	17	99	14TH TSP+	0.64	FL	LTPF	10	N7035	510
BOBBIN	14	34	ODI	20	0.89	3	108	3RD TSP +	3.71	FL	LTPF	11	B4260	510
BOBBIN	14	73	ODI	23	1.61	17	100	14TH TSP+	1.26	FL	LTPF	10	N7035	510
BOBBIN	14	74	ODI	34	3.37	17	93	14TH TSP+	0.60	FL	LTPF	10	H3921	510
BOBBIN	16	54	IDI	23	2.73	3	9	4TH TSP +	11.64	FL	LTPF	13	K7060	510
BOBBIN	17	80	ODI	30	1.62	17	95	14TH TSP+	0.70	FL	LTPF	15	T7072	510
BOBBIN	18	2	ODI	20	1.24	17	96	8TH TSP +	0.70	FL	LTPF	16	B3720	510
BOBBIN	18	12	IDI	33	1.27	3	13	13TH TSP+	9.78	FL	LTPF	16	B3720	510
BOBBIN	19	3	ODI	42	1.06	17	85	8TH TSP +	0.94	FL	LTPF	16	B3720	510
BOBBIN	20	44	IDI	25	0.87	3	10	13TH TSP+	8.22	FL	LTPF	18	W4892	510
BOBBIN	20	47	ODI	22	1.40	3	103	10TH TSP+	1.26	FL	LTPF	18	T9924	510
BOBBIN	22	91	ODI	24	1.25	17	97	14TH TSP+	1.01	FL	LTPF	20	W4892	510
BOBBIN	25	1	IDI	36	3.20	3	14	UTSF	+ 19.51	FL	LTPF	23	W6871	510
BOBBIN	26	34	ODI	22	0.76	17	102	7TH TSP +	0.52	FL	LTPF	25	N7035	510
BOBBIN	26	98	ODI	27	0.68	3	99	14TH TSP+	1.37	FL	LTPF	24	T7072	510
BOBBIN	31	1	ODI	20	1.30	3	108	12TH TSP+	1.63	FL	LTPF	39	B5371	510
BOBBIN	31	73	IDI	23	4.06	3	9	3RD TSP +	30.19	FL	LTPF	29	B5926	510
BOBBIN			IDI	35	3.54	3	15	3RD TSP +	25.94	FL	LTPF	29	B5926	510
BOBBIN			IDI	38	2.21	3	15	3RD TSP +	22.72	FL	LTPF	29	B5926	510
BOBBIN	32	6	ODI	24	1.05	3	105	14TH TSP+	1.07	FL	LTPF	39	B5371	510
BOBBIN	32	73	ODI	40	0.99	3	92	12TH TSP+	1.61	FL	LTPF	30	G6495	510
BOBBIN	33	100	ODI	35	0.83	17	90	14TH TSP+	0.61	FL	LTPF	31	T7072	510
BOBBIN	33	102	ODI	26	0.63	17	95	9TH TSP -	0.66	FL	LTPF	31	T7072	510
BOBBIN	34	101	ODI	28	2.34	3	101	14TH TSP+	1.38	FL	LTPF	31	W4892	510
BOBBIN	35	90	ODI	48	1.71	17	80	13TH TSP+	0.75	FL	LTPF	32	W6871	510
BOBBIN	41	113	ODI	23	0.83	3	111	14TH TSP+	1.57	FL	LTPF	154	B4260	510
BOBBIN	42	20	ODI	34	1.17	17	96	14TH TSP+	0.72	FL	LTPF	41	C3556	510
BOBBIN	42	99	ODI	32	1.58	3	98	14TH TSP+	1.12	FL	LTPF	53	B4260	510
BOBBIN	42	114	ODI	38	0.79	17	92	14TH TSP+	0.84	FL	LTPF	53	K7060	510
BOBBIN	44	2	ODI	27	1.32	3	104	13TH TSP+	1.20	FL	LTPF	42	B5371	510
BOBBIN	46	1	ODI	38	1.00	17	90	2ND TSP +	0.90	FL	LTPF	44	B3720	510
BOBBIN	46	11	ODI	33	1.23	17	99	14TH TSP+	1.15	FL	LTPF	43	W4892	510
BOBBIN	47	24	ODI	47	3.55	17	84	11TH TSP+	0.83	FL	LTPF	44	B3720	510
BOBBIN	48	120	ODI	36	1.63	17	92	9TH TSP +	0.65	FL	LTPF	55	B4260	510
BOBBIN	49	2	ODI	26	1.36	3	102	13TH TSP+	1.16	FL	LTPF	155	W6871	500
BOBBIN	49	120	ODI	29	1.33	17	100	9TH TSP +	0.57	FL	LTPF	56	K7060	510
BOBBIN	49	123	ODI	21	0.70	3	106	14TH TSP+	21.36	FL	LTPF	56	B4260	510
BOBBIN	50	5	ODI	25	1.19	3	103	13TH TSP+	1.39	FL	LTPF	46	K7060	510
BOBBIN	50	6	ODI	27	1.43	17	97	13TH TSP+	0.84	FL	LTPF	46	K7060	510
BOBBIN	50	13	ODI	20	0.84	17	103	9TH TSP +	0.67	FL	LTPF	45	B4260	510
BOBBIN	50	118	ODI	32	0.83	17	98	9TH TSP +	0.63	UTSF	LTPF	56	W6871	510
BOBBIN	51	121	ODI	32	1.10	17	94	14TH TSP+	1.14	FL	LTPF	56	B4260	510
BOBBIN	52	122	ODI	42	1.12	17	92	14TH TSP+	0.95	FL	LTPF	57	W4892	510
BOBBIN	53	5	ODI	20	0.48	17	100	13TH TSP+	0.99	FL	LTPF	47	D3162	510
BOBBIN	53	13	ODI	20	0.51	17	99	7TH TSP +	0.43	FL	LTPF	47	C3556	510
BOBBIN	55	3	ODI	54	1.12	17	78	14TH TSP-	0.68	FL	LTPF	48	T7072	510
BOBBIN	58	126	ODI	28	1.18	17	95	14TH TSP+	1.31	FL	LTPF	60	N0942	510
BOBBIN	59	5	ODI	22	1.24	17	103	12TH TSP+	1.26	FL	LTPF	36	W4892	510
BOBBIN	59	116	ODI	36	1.20	17	91	14TH TSP+	1.25	FL	LTPF	60	N0942	510
BOBBIN			ODI	30	3.33	17	94	14TH TSP+	0.67	FL	LTPF	60	N0942	510
BOBBIN	60	5	ODI	40	2.54	17	91	12TH TSP+	0.74	FL	LTPF	36	W4892	510
BOBBIN	61	1	ODI	27	1.58	3	100	13TH TSP+	1.06	FL	LTPF	36	T9924	510
BOBBIN	61	115	ODI	39	0.70	17	91	9TH TSP +	0.74	FL	LTPF	130	C3556	510
BOBBIN	62	3	ODI	28	1.15	3	100	12TH TSP+	1.23	FL	LTPF	50	D3162	510
BOBBIN	66	122	ODI	31	0.63	3	100	14TH TSP+	1.92	FL	LTPF	127	T9924	510

Plant: Oconee Unit 1 Steam Generator: B  
 Outage: 08/91 RFO

QUERY: ATTACHMENT 2 INDICATIONS OF DEGRADATION

TEST	ROW	COL	IND	XTW	VOLTS	CHN	DEG	LOCATION	EXTENT	LEG	TAPE	ANLST	PRB	COMMENTS
BOBBIN	69	5	ODI	28	2.02	3	102	13TH TSP+	1.29	14TH TSP	LTPF	132	B4260	510
BOBBIN	70	118	ODI	33	0.96	17	96	14TH TSP+	0.70	FL	LTPF	125	L4332	510
BOBBIN	71	3	ODI	27	0.91	17	96	14TH TSP+	1.11	14TH TSP	LTPF	147	W4892	510
BOBBIN	71	122	ODI	33	0.80	17	96	14TH TSP+	1.06	FL	LTPF	125	B0690	510
BOBBIN	73	122	ODI	33	0.86	17	94	14TH TSP+	0.72	FL	LTPF	124	W6871	510
BOBBIN			ODI	24	1.20	17	99	14TH TSP+	0.42	FL	LTPF	124	W6871	510
BOBBIN	74	112	ODI	28	0.84	17	98	14TH TSP+	0.94	FL	LTPF	130	N0942	510
BOBBIN	75	114	ODI	30	0.52	17	97	14TH TSP+	0.89	FL	LTPF	131	D3162	510
BOBBIN			ODI	72	2.24	17	66	14TH TSP+	1.33	FL	LTPF	131	C3556	510
BOBBIN	76	114	ODI	28	0.72	3	102	11TH TSP+	2.07	FL	LTPF	131	N0942	510
BOBBIN	76	118	ODI	45	1.75	3	90	12TH TSP+	1.45	FL	LTPF	131	N0942	510
BOBBIN	77	114	ODI	42	1.97	17	90	14TH TSP+	0.88	FL	LTPF	139	W4892	510
BOBBIN	77	123	ODI	38	1.06	17	88	14TH TSP+	0.68	FL	LTPF	139	N7035	510
BOBBIN	81	130	ODI	35	0.99	3	97	13TH TSP+	1.11	FL	LTPF	150	D3162	510
BOBBIN	82	117	ODI	38	1.15	17	91	14TH TSP+	0.99	FL	LTPF	137	W4892	510
BOBBIN	82	129	ODI	34	2.22	17	94	10TH TSP+	0.63	FL	LTPF	137	B3720	510
BOBBIN			ODI	32	1.90	3	99	13TH TSP+	1.53	FL	LTPF	137	B3720	510
BOBBIN	84	124	ODI	26	1.00	17	97	14TH TSP+	1.16	FL	LTPF	136	W4892	510
BOBBIN			ODI	46	1.81	17	86	14TH TSP+	0.69	FL	LTPF	136	W4892	510
BOBBIN	84	129	ODI	24	1.72	17	98	14TH TSP+	0.96	FL	LTPF	136	W4892	510
BOBBIN			ODI	30	3.04	17	95	12TH TSP+	0.92	FL	LTPF	136	W4892	510
BOBBIN	86	125	ODI	32	2.07	17	93	14TH TSP+	1.24	FL	LTPF	135	W4892	510
BOBBIN	86	128	ODI	59	10.09	3	78	13TH TSP+	1.29	FL	LTPF	135	G6495	510
BOBBIN	87	4	ODI	40	1.41	17	89	12TH TSP+	1.38	14TH TSP	LTPF	149	D3162	510
BOBBIN			ODI	40	0.80	17	89	12TH TSP+	0.80	14TH TSP	LTPF	149	D3162	510
BOBBIN	88	3	ODI	31	0.71	3	99	14TH TSP+	1.47	14TH TSP	LTPF	149	K7060	510
BOBBIN	88	5	ODI	30	1.81	17	94	12TH TSP+	0.42	FL	LTPF	73	K7060	510
BOBBIN	88	124	ODI	34	1.75	17	92	14TH TSP+	0.82	FL	LTPF	134	W4892	510
BOBBIN	89	4	ODI	22	3.73	3	99	14TH TSP+	1.77	FL	LTPF	73	K7060	510
BOBBIN	90	38	ODI	30	0.73	17	99	11TH TSP+	0.73	FL	LTPF	62	N7035	510
BOBBIN	90	113	ODI	25	0.88	17	97	14TH TSP+	0.70	FL	LTPF	134	W4892	510
BOBBIN	91	13	ODI	32	2.98	17	93	14TH TSP+	0.77	FL	LTPF	73	K7060	510
BOBBIN	91	125	ODI	32	1.53	3	99	13TH TSP+	1.76	FL	LTPF	132	N0942	510
BOBBIN	92	117	ODI	22	1.86	3	106	8TH TSP +	33.47	FL	LTPF	132	N0942	510
BOBBIN	92	121	ODI	45	1.47	17	87	14TH TSP+	0.41	FL	LTPF	132	N0942	510
BOBBIN	92	128	ODI	25	0.58	3	104	11TH TSP+	1.17	FL	LTPF	132	B4260	510
BOBBIN	93	2	ODI	45	2.81	17	85	13TH TSP+	0.76	FL	LTPF	74	K7060	510
BOBBIN	93	116	ODI	38	1.73	17	90	14TH TSP+	1.04	FL	LTPF	133	W4892	510
BOBBIN	95	11	ODI	48	2.59	17	84	14TH TSP+	0.81	FL	LTPF	66	W4892	510
BOBBIN	95	13	ODI	41	1.81	17	88	14TH TSP+	1.28	FL	LTPF	66	W4892	510
BOBBIN	95	117	ODI	29	1.06	17	93	8TH TSP -	0.58	FL	LTPF	141	T7072	510
BOBBIN	99	123	ODI	38	1.07	17	91	14TH TSP+	1.04	FL	LTPF	119	W4892	510
BOBBIN	102	13	ODI	27	1.00	3	100	14TH TSP+	1.11	FL	LTPF	76	K7060	510
BOBBIN	102	94	ODI	28	1.31	3	101	15TH TSP+	40.59	FL	LTPF	118	W4892	510
BOBBIN	108	111	WAR	38	2.00	17	90	13TH TSP+	0.00	FL	LTPF	113	L4332	510
BOBBIN			WAR	25	1.36	17	97	11TH TSP+	0.00	FL	LTPF	113	L4332	510
BOBBIN	108	112	ODI	22	1.49	17	99	10TH TSP-	0.67	FL	LTPF	113	L4332	510
BOBBIN	108	114	WAR	30	2.32	17	85	13TH TSP+	0.00	FL	LTPF	113	C3556	510
BOBBIN			WAR	36	1.08	17	106	12TH TSP+	0.00	FL	LTPF	113	C3556	510
BOBBIN	111	1	ODI	40	1.24	3	93	4TH TSP +	1.30	FL	LTPF	78	B3720	510
BOBBIN	113	6	ODI	20	0.99	3	103	5TH TSP +	1.31	FL	LTPF	79	W4892	510
BOBBIN	116	1	ODI	36	1.17	3	93	14TH TSP+	8.43	FL	LTPF	81	W4892	510
BOBBIN	116	5	ODI	30	1.50	17	94	5TH TSP +	1.20	FL	LTPF	81	W4892	510
BOBBIN	116	16	ODI	45	1.36	17	87	14TH TSP+	0.75	FL	LTPF	81	W4892	510
BOBBIN	117	5	ODI	32	1.26	3	95	5TH TSP +	2.02	FL	LTPF	81	W4892	510
BOBBIN	118	97	ODI	49	0.92	17	82	8TH TSP +	0.68	FL	LTPF	109	W6871	510
BOBBIN	120	4	ODI	30	1.64	17	97	14TH TSP+	1.15	FL	LTPF	143	W4892	510
BOBBIN	122	4	ODI	30	0.69	3	101	13TH TSP+	1.24	FL	LTPF	84	K7060	510
BOBBIN	123	89	ODI	31	1.32	3	100	8TH TSP +	1.30	FL	LTPF	106	T9924	510
BOBBIN	124	95	ODI	28	1.20	17	94	9TH TSP -	0.58	FL	LTPF	105	L4332	510
BOBBIN	126	93	ODI	35	1.28	17	91	9TH TSP -	0.51	FL	LTPF	103	L4332	510
BOBBIN	130	93	ODI	39	1.01	17	88	14TH TSP+	0.91	FL	LTPF	116	B3720	510
BOBBIN	134	11	ODI	24	0.75	17	97	9TH TSP -	0.69	FL	LTPF	89	C3556	510
BOBBIN	136	19	ODI	29	1.25	17	94	10TH TSP+	0.99	FL	LTPF	90	L4332	510
BOBBIN	136	78	ODI	40	1.03	17	90	14TH TSP+	1.04	FL	LTPF	92	W4892	510
BOBBIN	137	16	ODI	30	0.69	17	96	9TH TSP +	0.05	FL	LTPF	91	L4332	510
BOBBIN	138	16	ODI	33	1.45	17	92	10TH TSP+	1.07	FL	LTPF	96	K7060	510
BOBBIN	139	19	ODI	24	0.98	17	105	9TH TSP -	0.68	FL	LTPF	154	C3556	510
BOBBIN	139	74	ODI	36	2.33	17	91	12TH TSP+	1.04	FL	LTPF	97	K7060	510
BOBBIN	140	4	ODI	24	0.76	3	105	13TH TSP+	1.66	FL	LTPF	97	T7072	510

Plant: Oconee Unit 1 Steam Generator: B  
 Outage: 08/91 RFO

-----  
 QUERY: ATTACHMENT 2 INDICATIONS OF DEGRADATION  
 -----

TEST	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT	LEG	TAPE	ANLST	PRB	COMMENTS
BOBBIN	140	66	ODI	24	1.21	3	110	14TH TSP+	1.27	FL	LTPF	154	C3556	510
BOBBIN	141	64	ODI	20	0.83	3	106	14TH TSP+	1.29	FL	LTPF	99	W6871	510
BOBBIN	143	14	ODI	25	1.77	17	96	9TH TSP -	0.64	FL	LTPF	100	W6871	510
BOBBIN	143	56	ODI	27	1.04	17	94	7TH TSP +	1.24	FL	LTPF	100	C3556	510
BOBBIN	143	62	ODI	39	0.53	3	93	7TH TSP +	1.25	FL	LTPF	100	W6871	510
BOBBIN	146	5	ODI	39	3.80	3	91	UTSF -	1.20	FL	LTPF	72	K7060	510
BOBBIN	146	34	ODI	26	1.13	17	98	9TH TSP -	0.36	FL	LTPF	72	N7035	510
BOBBIN	146	50	ODI	29	0.88	17	97	7TH TSP +	1.80	FL	LTPF	71	M0155	510
BOBBIN	147	11	ODI	38	1.06	17	91	14TH TSP+	1.09	FL	LTPF	71	M0155	510
BOBBIN	148	34	ODI	35	1.01	3	96	14TH TSP+	1.65	FL	LTPF	70	K7060	510
BOBBIN	149	10	ODI	20	1.07	3	106	6TH TSP +	1.27	FL	LTPF	70	T7072	510
BOBBIN	149	17	ODI	31	1.00	17	99	8TH TSP +	1.25	FL	LTPF	70	T7072	510

TOTAL TUBES FOUND = 141  
 TOTAL INDICATIONS FOUND = 152  
 TOTAL TUBES IN INPUT FILE = 15531

Plant: OCONEE UNIT 1

Steam Generator: A

Order: Sort by ROW, TUBE

Title: ATTACHMENT 3 TUBES PLUGGED

NO.	ROW	TUBE
1.	4-	9
2.	6-	6
3.	18-	43
4.	19-	43
5.	33-	2
6.	36-	109
7.	37-	109
8.	41-	104
9.	66-	114
10.	86-	5
11.	113-	116
12.	129-	56



Plant: OCONEE UNIT 1

Steam Generator: B

Order: Sort by ROW, TUBE

Title: ATTACHMENT 4 TUBES PLUGGED

NO.	ROW	TUBE
1.	4-	15
2.	5-	39
3.	6-	41
4.	7-	50
5.	7-	51
6.	10-	51
7.	12-	6
8.	14-	74
9.	19-	3
10.	32-	73
11.	35-	5
12.	35-	90
13.	47-	24
14.	49-	7
15.	50-	6
16.	52-	122
17.	55-	3
18.	59-	116
19.	60-	5
20.	75-	114
21.	76-	118
22.	77-	114
23.	77-	123
24.	84-	124
25.	86-	128
26.	87-	4
27.	92-	120
28.	92-	121
29.	93-	2
30.	95-	11
31.	95-	13
32.	111-	1
33.	112-	5
34.	116-	16
35.	118-	97
36.	130-	62
37.	136-	78