

# ***Steam Generator Inspection Summary Report***

## ***McGuire Unit 1 August – October 1996 Pre-Service Inspection of RSGs***

Location: Hwy. 73, Cowans Ford, North Carolina 28216

NRC Docket No. 50-369

National Board No. 44

Commercial Service Date: December 1, 1981

Owner: Duke Energy Corporation  
526 South Church St.  
Charlotte, N.C. 28201-1006

Revision 0

Prepared By: *Donald W. Cump* Date: *2/29/00*

Reviewed By: *R. S. Cope* Date: *2/29/00*

Approved By: *Morris Sample* Date: *2/29/00*

Copy No. *1* Assigned To: *NRC Document Control*

Controlled: *X* Uncontrolled: \_\_\_\_\_

***Controlled Distribution***

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McGuire Nuclear Station  
Document Control  
Master File  
MC 1201.35

1

NRC Document Control

***Uncontrolled Distribution***

2

Hartford Steam Boiler  
Inspection and Insurance  
Company (AIA)

3

State of North Carolina  
Department of Labor  
C/o J. M. Givens, Jr.

**FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**

**As required by the Provisions of the ASME Code Rules**

1. Owner: Duke Energy Corporation, 526 S. Church St., Charlotte, NC 28201-1006  
(Name and Address of Owner)
2. Plant: McGuire Nuclear Station, Highway 73, Cowans Ford, N. C. 28216  
(Name and Address of Plant)
3. Plant Unit: 1
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: December 1, 1981
6. National Board Number for Unit 44
7. Components Inspected:

<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Steam Generator 1A	BWI	7701-04	NC-302668	157
Steam Generator 1B	BWI	7693-01	NC-302669	146
Steam Generator 1C	BWI	7701-03	NC-302670	155
Steam Generator 1D	BWI	7701-02	NC-302671	154

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8<sup>1</sup>/<sub>2</sub> in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

- 8. Examination Dates August 21, 1996 to October 7, 1996
- 9. Inspection Period Identification: Second Period of the Second Interval
- 10. Inspection Interval Identification: Second In-service Inspection Interval
- 11. Applicable Edition of Section XI 1989 Addenda None
- 12. Date/Revision of Inspection Plan: Tech Spec 3-4.4.5 Steam Generator 7/30/96 Revision  
Steam Generator Maintenance Manual Rev. 2

- 13. Abstract of Examinations and Test. Reference attached Inspection Summary Report dated 2/28/00.
- 14. Abstract of Results of Examination and Tests. Reference attached Inspection Summary Report dated 2/28/00.
- 15. Abstract of Corrective Measures. Reference attached Inspection Summary Report dated 2/28/00.

We certify that a) the statements made in this report are correct b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) NA Expiration Date NA  
 Date 2-29 20 00 Signed Duke Energy Corp. By Mours Sample  
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of North Carolina employed by \*The HSBI&I Co. of Hartford, Ct. have inspected the components described in this Owner's Report during the period 8-21-1996 to 10-7-1996, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, test, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection

[Signature] Commissions NB 7728, NC 853, N-I  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 3-2 ~~19~~ 2000

\* The Hartford Steam Boiler Inspection & Insurance Co.  
 200 Ashford Center North  
 Suite 300  
 Atlanta, GA. 30338

February 28, 2000

Gerald W Crump

Subject: McGuire Nuclear Station  
Unit 1 Steam Generator  
August, 1996 Baseline Inspection

Dear Sir,

1. The following quantity of tubes were inspected from either side of the generator.

<u>Steam Generator</u>	<u>Tubes Inspected Full Length</u>
A	6632
B	6632
C	6631
D	6631

2. The following information is submitted concerning tube indications of imperfections. (The attached list identifies the tubes with imperfections, their locations and their size.)

<u>Steam Generator</u>	<u>Attachment</u>
A	1
B	2
C	3
D	4

3. The following tubes were removed from service by plugging.

**Steam Generator**

**Attachment**

A	5
B	6
C	7
D	8

If further information is required, please call me at 875-5584.

Sincerely,



P D Christopher  
Eddy Current Data Administrator

PDC:pd

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FTI TUBAN II (Version 2.3) 02/28/2000 13:05:48  
 McGuire N.S. - Unit One Replacement  
 S/G A  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
2	17	08/96	BOBBIN	BOBBIN	ODI	10	0.19	02H	+22.57
2	137	08/96	BOBBIN	BOBBIN	NQI		0.05	01C	+18.86
3	16	08/96	BOBBIN	BOBBIN	ODI	12	0.08	03H	+32.29
6	39	08/96	BOBBIN	BOBBIN	ODI	1	0.16	02C	+16.05
6	47	08/96	BOBBIN	BOBBIN	ODI	1	0.06	08C	+21.71
7	52	08/96	BOBBIN	BOBBIN	ODI	3	0.10	01C	+13.26
8	59	08/96	BOBBIN	BOBBIN	ODI	10	0.10	02H	+31.61
12	29	08/96	BOBBIN	BOBBIN	ADI		0.10	03C	+30.35
		08/96	BOBBIN	BOBBIN	ODI	9	0.08	04C	+11.05
		08/96	BOBBIN	BOBBIN	ODI	9	0.19	08H	+34.04
15	128	08/96	BOBBIN	BOBBIN	ODI	4	0.10	08C	+24.16
22	31	08/96	BOBBIN	BOBBIN	ODI	2	0.14	06C	+7.03
		08/96	BOBBIN	BOBBIN	ODI	7	0.04	08H	+15.20
		08/96	BOBBIN	BOBBIN	ODI	12	0.10	06C	+31.97
22	37	08/96	BOBBIN	BOBBIN	ODI	3	0.12	02C	+35.58
22	71	08/96	BOBBIN	BOBBIN	ODI	10	0.08	01C	+22.41
23	30	08/96	BOBBIN	BOBBIN	ODI	6	0.11	05C	+14.30
		08/96	BOBBIN	BOBBIN	ODI	11	0.07	05C	+16.21
24	39	08/96	BOBBIN	BOBBIN	ODI	8	0.14	06C	+36.68
		08/96	BOBBIN	BOBBIN	ODI	12	0.16	05H	+7.88
24	67	08/96	BOBBIN	BOBBIN	ODI	4	0.07	05H	+19.67
24	69	08/96	BOBBIN	BOBBIN	ODI	9	0.07	04H	+26.24
24	89	08/96	BOBBIN	BOBBIN	ODI	14	0.09	07C	+31.15
24	129	08/96	BOBBIN	BOBBIN	ODI	5	0.07	01H	+25.56
25	72	08/96	BOBBIN	BOBBIN	ODI	8	0.08	03H	+10.00
25	86	08/96	BOBBIN	BOBBIN	ADI		0.12	03H	+25.03
25	126	08/96	BOBBIN	BOBBIN	ODI	5	0.07	04C	+16.18
26	57	08/96	BOBBIN	BOBBIN	ODI	7	0.09	04C	+4.35
27	56	08/96	BOBBIN	BOBBIN	ODI	1	0.08	05H	+4.46
27	112	08/96	BOBBIN	BOBBIN	ODI	1	0.00	03H	+31.17
27	136	08/96	BOBBIN	BOBBIN	ODI	1	0.10	06H	+6.78
28	123	08/96	BOBBIN	BOBBIN	ODI	6	0.06	04H	+14.43
29	70	08/96	BOBBIN	BOBBIN	ODI	6	0.06	04H	+14.43
29	84	08/96	BOBBIN	BOBBIN	ODI	5	0.04	08C	+4.30
30	89	08/96	BOBBIN	BOBBIN	ADI		0.18	01H	+22.51
32	101	08/96	BOBBIN	BOBBIN	ODI	6	0.12	08C	+3.24
37	122	08/96	BOBBIN	BOBBIN	ODI	2	0.21	05C	+18.31
41	134	08/96	BOBBIN	BOBBIN	ODI	8	0.04	02H	+37.40
45	118	08/96	BOBBIN	BOBBIN	ODI	6	0.13	04H	+5.76
47	52	08/96	BOBBIN	BOBBIN	NQI		0.04	TSH	+3.44
48	31	08/96	BOBBIN	BOBBIN	ODI	2	0.09	06H	+27.72
48	43	08/96	BOBBIN	BOBBIN	ODI	13	0.21	02C	+19.10
48	57	08/96	BOBBIN	BOBBIN	ODI	5	0.14	02C	+17.19
55	56	08/96	BOBBIN	BOBBIN	NQI		0.03	08C	+14.64
55	92	08/96	BOBBIN	BOBBIN	ODI	3	0.09	06H	+25.59
58	59	08/96	BOBBIN	BOBBIN	ADI		0.10	02C	+26.50
59	16	08/96	BOBBIN	BOBBIN	ADI		0.12	04C	+19.73
65	54	08/96	BOBBIN	BOBBIN	ODI	4	0.05	03H	+5.59
66	17	08/96	BOBBIN	BOBBIN	ODI	8	0.10	05H	+31.30
68	69	08/96	BOBBIN	BOBBIN	ODI	10	0.17	02H	+9.56
69	58	08/96	BOBBIN	BOBBIN	ODI	5	0.17	02H	+3.76
72	53	08/96	BOBBIN	BOBBIN	ODI	6	0.05	03C	+5.08
73	88	08/96	BOBBIN	BOBBIN	ODI	4	0.35	02C	+19.53
73	90	08/96	BOBBIN	BOBBIN	ODI	9	0.13	03H	+9.13
75	72	08/96	BOBBIN	BOBBIN	ODI	2	0.07	TSC	+0.76
		08/96	BOBBIN	BOBBIN	ODI	7	0.08	01C	-0.93
79	72	08/96	BOBBIN	BOBBIN	ODI	7	0.10	03H	+16.95
93	42	08/96	BOBBIN	BOBBIN	ODI	9	0.12	04H	+16.45
96	71	08/96	BOBBIN	BOBBIN	ODI	4	0.10	03C	+12.90
97	102	08/96	BOBBIN	BOBBIN	IRR		15.99	TEH	+12.93
107	60	08/96	BOBBIN	BOBBIN	ADI		0.12	03C	+16.35
107	94	08/96	BOBBIN	BOBBIN	ADI		0.18	01C	+19.47

to +24.96

Total Indications Found = 62  
 Total Tubes Found = 55

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGB  
 ROW COL OUTAGE TEST TYPE

IND %TW VOLTS LOCATION

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION		
1	40	08/96	BOBBIN	NEX		5.09	TSC		-0.26
2	25	08/96	BOBBIN	ODI	11	0.05	01H		+4.16
2	55	08/96	BOBBIN	ADI		0.08	02C		+20.10
3	64	08/96	BOBBIN	ODI	5	0.21	07H		+10.68
3	88	08/96	BOBBIN	ODI	1	0.11	08C		+17.98
3	114	08/96	BOBBIN	ODI	8	0.08	01H		+13.73
3	124	08/96	BOBBIN	ODI	1	0.15	04C		+17.30
3	142	08/96	BOBBIN	NEX		5.42	TSH		-0.25
4	5	08/96	BOBBIN	NEX		5.28	TSH		-0.26
5	22	08/96	BOBBIN	ODI	1	0.24	04C		+17.70
6	111	08/96	BOBBIN	ODI	1	0.65	09C		+5.55
7	4	08/96	BOBBIN	NEX		4.27	TSC		-0.29
7	6	08/96	BOBBIN	NEX		5.02	TSH		-0.26
8	5	08/96	BOBBIN	NEX		4.24	TSH		-0.26
9	6	08/96	BOBBIN	NEX		4.40	TSH		-0.26
9	14	08/96	BOBBIN	ADI		0.20	03C		+2.34
9	126	08/96	BOBBIN	ODI	4	0.29	03C		+15.11
10	5	08/96	BOBBIN	ODI	3	0.17	01C		+19.72
10	5	08/96	BOBBIN	NEX		4.70	TSH		-0.30
12	51	08/96	BOBBIN	ODI	8	0.28	03H		+11.64
15	108	08/96	BOBBIN	ODI	2	0.10	03C		+18.44
15	114	08/96	BOBBIN	ODI		26.96	TEC		+6.91
17	84	08/96	BOBBIN	ODI		25.21	TEC		+4.37
17	116	08/96	BOBBIN	ODI	6	0.12	06H		+9.23
17	116	08/96	BOBBIN	ODI	7	0.14	03C		+29.47
19	6	08/96	BOBBIN	NEX			TSH		-0.26
19	84	08/96	BOBBIN	ODI	3	0.13	05C		+14.56
20	5	08/96	BOBBIN	NEX		3.83	TSH		-0.29
21	54	08/96	BOBBIN	ODI	14	0.11	04H		+28.41
23	6	08/96	BOBBIN	NEX		4.43	TSH		-0.32
23	140	08/96	BOBBIN	NEX		4.27	TSH		-0.25
24	63	08/96	BOBBIN	ODI		27.16	TEC		+9.34 to +11.85
24	71	08/96	BOBBIN	ODI		30.13	TEC		+10.69 to +12.90
24	71	08/96	BOBBIN	ODI		28.36	TEC		+12.68
25	6	08/96	BOBBIN	ODI		4.48	TSH		-0.29
27	6	08/96	BOBBIN	NEX		4.75	TSH		-0.32
27	8	08/96	BOBBIN	ADI		0.12	01C		+22.12
27	12	08/96	BOBBIN	ADI		0.08	02H		+23.91
27	26	08/96	BOBBIN	ADI		0.20	02C		+26.89
28	47	08/96	BOBBIN	ODI	4	0.18	01C		+24.99
28	63	08/96	BOBBIN	ODI	2	0.18	07C		+25.68
28	113	08/96	BOBBIN	ODI		25.63	TEC		+18.44
29	6	08/96	BOBBIN	ODI		4.27	TSH		-0.29
29	48	08/96	BOBBIN	ODI		29.79	TEC		+0.00 to +10.88
29	64	08/96	BOBBIN	ODI		20.28	TEC		+23.74
29	132	08/96	BOBBIN	ODI	2	0.12	TSH		+6.40
31	6	08/96	BOBBIN	NEX		3.82	TSH		-0.28
31	88	08/96	BOBBIN	ODI	4	0.09	07H		+6.78
32	5	08/96	BOBBIN	NEX		4.03	TSH		-0.28
37	6	08/96	BOBBIN	NEX		5.16	TSH		-0.35 to -0.08
37	120	08/96	BOBBIN	ODI	10	0.18	TSH		+13.64
38	61	08/96	BOBBIN	ODI	5	0.13	TSH		+16.95
39	102	08/96	BOBBIN	ADI		0.10	02H		+5.23
39	102	08/96	BOBBIN	ODI	11	0.07	02C		+5.49
39	130	08/96	BOBBIN	ODI		28.26	TEC		+6.06
40	83	08/96	BOBBIN	NEX		4.37	TSH		-0.27
41	6	08/96	BOBBIN	NEX		5.24	TSH		-0.25 to +0.03
42	75	08/96	BOBBIN	ODI	14	0.08	01C		+5.72
42	91	08/96	BOBBIN	ODI	7	0.10	03C		+17.49
43	40	08/96	BOBBIN	ODI	12	0.39	08C		+10.50
43	62	08/96	BOBBIN	ODI		30.88	TEC		+0.00 to +19.07
43	70	08/96	BOBBIN	ODI		26.56	TEC		+19.73
44	7	08/96	BOBBIN	NQI		0.03	06C		+10.37
46	35	08/96	BOBBIN	ODI	13	0.09	02C		+13.79
48	41	08/96	BOBBIN	ODI		24.11	TSC		-2.14



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FTI TUBAN II (Version 2.3) 02/28/2000 13:06:22  
 McGuire N.S. - Unit One Replacement  
 S/G B  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION		
49	42	08/96	BOBBIN	BOBBIN	ODI	14	0.10	02C		+25.75
51	34	08/96	BOBBIN	BOBBIN	ODI	1	0.06	01H		+16.01
51	48	08/96	BOBBIN	BOBBIN	ODI	1	0.06	01H		+16.01
51	64	08/96	BOBBIN	BOBBIN	ODI	1	0.06	01H		+16.01
51	72	08/96	BOBBIN	BOBBIN	ODI	1	0.06	01H		+16.01
53	90	08/96	BOBBIN	BOBBIN	ODI	7	0.23	02C		+28.40
54	61	08/96	BOBBIN	BOBBIN	ODI	12	0.08	TSH		+18.82
54	93	08/96	BOBBIN	BOBBIN	ODI	1	0.21	02H		+24.00
56	75	08/96	BOBBIN	BOBBIN	ODI	1	0.14	03H		+10.58
58	51	08/96	BOBBIN	BOBBIN	ODI	4	0.05	TSC		+13.80
58	85	08/96	BOBBIN	BOBBIN	ODI	5	0.13	06C		+18.20
58	91	08/96	BOBBIN	BOBBIN	ODI	8	0.23	02H		+11.68
59	46	08/96	BOBBIN	BOBBIN	ODI	11	0.05	03C		+12.72
59	128	08/96	BOBBIN	BOBBIN	NEX		3.93	TSH		-0.28
60	85	08/96	BOBBIN	BOBBIN	ODI	1	0.07	04H		+30.52
60	109	08/96	BOBBIN	BOBBIN	ADI		0.07	04C		+37.61
61	104	08/96	BOBBIN	BOBBIN	ODI	10	0.13	06H		+34.43
62	85	08/96	BOBBIN	BOBBIN	ADI		0.12	04C		+36.07
63	84	08/96	BOBBIN	BOBBIN	ODI	1	0.18	02C		+6.61
64	129	08/96	BOBBIN	BOBBIN	NEX		3.71	TSH		-0.25
66	103	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
67	106	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
67	122	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
67	130	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
68	35	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
68	55	08/96	BOBBIN	BOBBIN	ODI	8	0.12	06H		+3.30
68	59	08/96	BOBBIN	BOBBIN	ODI	6	0.10	06C		+29.87
68	59	08/96	BOBBIN	BOBBIN	ODI	6	0.10	06C		+29.87
69	72	08/96	BOBBIN	BOBBIN	ODI	13	0.09	07H		+8.50
70	71	08/96	BOBBIN	BOBBIN	ODI	10	0.08	07H		+8.62
71	56	08/96	BOBBIN	BOBBIN	ODI	1	0.14	FB8		+5.16
71	60	08/96	BOBBIN	BOBBIN	ODI	8	0.11	03C		+31.47
71	74	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
71	82	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
71	82	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
71	82	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
71	82	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
71	82	08/96	BOBBIN	BOBBIN	ODI	12	0.11	03C		+28.80
73	52	08/96	BOBBIN	BOBBIN	ODI	6	0.08	02C		+29.10
73	112	08/96	BOBBIN	BOBBIN	ODI	6	0.08	02C		+29.10
73	120	08/96	BOBBIN	BOBBIN	ODI	6	0.08	02C		+29.10
73	128	08/96	BOBBIN	BOBBIN	ODI	6	0.08	02C		+29.10
75	98	08/96	BOBBIN	BOBBIN	ODI	1	0.21	01H		+10.01
75	100	08/96	BOBBIN	BOBBIN	ODI	1	0.21	01H		+10.01
75	124	08/96	BOBBIN	BOBBIN	ODI	1	0.21	01H		+10.01
76	49	08/96	BOBBIN	BOBBIN	ODI	1	0.21	01H		+10.01
76	69	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
78	31	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
78	55	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
79	24	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
79	82	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
79	86	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
79	86	08/96	BOBBIN	BOBBIN	ODI	2	0.09	04H		+20.21
81	32	08/96	BOBBIN	BOBBIN	ODI	4	0.23	08C		+30.15
84	27	08/96	BOBBIN	BOBBIN	ODI	4	0.23	08C		+30.15
84	35	08/96	BOBBIN	BOBBIN	ODI	4	0.23	08C		+30.15
85	52	08/96	BOBBIN	BOBBIN	ODI	9	0.03	04H		+29.32
86	91	08/96	BOBBIN	BOBBIN	ODI	9	0.03	04H		+29.32
86	115	08/96	BOBBIN	BOBBIN	ODI	9	0.03	04H		+29.32
87	26	08/96	BOBBIN	BOBBIN	ODI	9	0.03	04H		+29.32
88	29	08/96	BOBBIN	BOBBIN	ODI	9	0.03	04H		+29.32
88	53	08/96	BOBBIN	BOBBIN	ODI	3	0.12	01H		+10.35
88	53	08/96	BOBBIN	BOBBIN	ODI	3	0.12	01H		+10.35
88	101	08/96	BOBBIN	BOBBIN	ODI	3	0.23	02H		+9.16
90	115	08/96	BOBBIN	BOBBIN	ODI	6	0.13	03C		+29.01
92	91	08/96	BOBBIN	BOBBIN	ODI	2	0.10	02H		+24.42

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FTI TUBAN II (Version 2.3) 02/28/2000 13:06:22  
 McGuire N.S. - Unit One Replacement  
 S/G B  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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Page 3

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION		
92	99	08/96	BOBBIN	BOBBIN	OXP		27.80	TEC	+0.00	to +25.99
95	102	08/96	BOBBIN	BOBBIN	ADI		0.08	01H	+27.91	
96	37	08/96	BOBBIN	BOBBIN	ODI	4	0.08	08C	+23.72	
97	66	08/96	BOBBIN	BOBBIN	OXP		39.84	TEC	+14.04	
99	36	08/96	BOBBIN	BOBBIN	ODI	14	0.06	02C	+13.43	
101	66	08/96	BOBBIN	BOBBIN	ODI	8	0.09	02C	+32.08	
101	86	08/96	BOBBIN	BOBBIN	OXP		29.07	TEC	+1.93	to +22.20
102	35	08/96	BOBBIN	BOBBIN	ODI	6	0.04	02H	+26.36	
		08/96	BOBBIN	BOBBIN	ODI	12	0.05	01H	+14.00	
103	48	08/96	BOBBIN	BOBBIN	OXP		37.94	TEC	+10.44	
103	56	08/96	BOBBIN	BOBBIN	OXP		29.26	TEC	+9.58	
103	64	08/96	BOBBIN	BOBBIN	OXP		43.05	TEC	+10.72	
103	72	08/96	BOBBIN	BOBBIN	OXP		34.70	TEC	+10.20	
104	45	08/96	BOBBIN	BOBBIN	NEX		5.08	TSC	-0.26	
104	79	08/96	BOBBIN	BOBBIN	OXP		27.08	TEC	+14.00	
104	87	08/96	BOBBIN	BOBBIN	OXP		26.87	TEC	+14.05	
105	46	08/96	BOBBIN	BOBBIN	OXP		25.13	TEC	+4.14	
106	49	08/96	BOBBIN	BOBBIN	OXP		35.80	TEC	+0.48	to +7.72
106	57	08/96	BOBBIN	BOBBIN	OXP		59.50	TEC	+0.47	to +3.10
106	65	08/96	BOBBIN	BOBBIN	OXP		33.07	TEC	+0.03	to +8.10
106	73	08/96	BOBBIN	BOBBIN	OXP		24.03	TEC	+8.26	
106	89	08/96	BOBBIN	BOBBIN	OXP		28.64	TSC	-1.76	
107	60	08/96	BOBBIN	BOBBIN	OXP		25.83	TEC	+8.12	
107	80	08/96	BOBBIN	BOBBIN	OXP		30.69	TEC	+5.85	
108	45	08/96	BOBBIN	BOBBIN	NEX		4.63	TSC	-0.26	
		08/96	BOBBIN	BOBBIN	OXP		36.70	TEC	+1.59	to +7.84
108	69	08/96	BOBBIN	BOBBIN	OXP		25.31	TEC	+7.69	
108	77	08/96	BOBBIN	BOBBIN	OXP		27.73	TEC	+9.12	
108	97	08/96	BOBBIN	BOBBIN	OXP		25.90	TEC	+12.87	
112	57	08/96	BOBBIN	BOBBIN	NEX		3.34	TSH	-0.25	
113	78	08/96	BOBBIN	BOBBIN	OXP		40.99	TEC	+8.88	to +13.40
114	53	08/96	BOBBIN	BOBBIN	NEX		4.27	TSH	-0.25	
114	55	08/96	BOBBIN	BOBBIN	NEX		3.12	TSH	-0.25	
114	73	08/96	BOBBIN	BOBBIN	OXP		39.27	TEC	+6.06	to +8.52
114	79	08/96	BOBBIN	BOBBIN	OXP		22.16	TEC	+5.43	to +17.44
114	81	08/96	BOBBIN	BOBBIN	OXP		37.99	TEC	+4.47	to +11.88
114	83	08/96	BOBBIN	BOBBIN	OXP		24.73	TEC	+8.05	
114	87	08/96	BOBBIN	BOBBIN	IRR		4.34	TEC	+16.80	to +27.00
114	89	08/96	BOBBIN	BOBBIN	OXP		27.12	TEC	+3.64	to +12.52
114	91	08/96	BOBBIN	BOBBIN	OXP		30.41	TEC	+0.37	to +8.61
115	56	08/96	BOBBIN	BOBBIN	NEX		3.46	TSH	-0.26	
116	55	08/96	BOBBIN	BOBBIN	NEX		4.09	TSH	-0.25	
117	58	08/96	BOBBIN	BOBBIN	NEX		3.94	TSH	-0.25	
117	70	08/96	BOBBIN	BOBBIN	OXP		36.41	TEC	+2.57	to +24.96
117	86	08/96	BOBBIN	BOBBIN	OXP		34.44	TEC	+4.56	to +13.68

Total Indications Found = 175  
 Total Tubes Found = 163

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION		
2	139	08/96	BOBBIN	ODI	6	0.19	01H		+8.75	
3	46	08/96	BOBBIN	ODI	4	0.11	02C		+21.10	
		08/96	BOBBIN	ODI	9	0.10	08C		+10.87	
4	51	08/96	BOBBIN	OXF		47.54	TEC		+12.26	to +13.55
4	59	08/96	BOBBIN	OXF		75.99	TEC		+12.39	to +13.61
4	67	08/96	BOBBIN	OXF		45.07	TEC		+12.19	to +13.61
5	80	08/96	BOBBIN	ODI	13	0.19	02C		+33.77	
6	77	08/96	BOBBIN	ODI	6	0.19	01C		+16.55	
6	129	08/96	BOBBIN	ODI	6	0.13	02H		+31.93	
7	80	08/96	BOBBIN	ADI		0.13	02C		+16.05	
12	45	08/96	BOBBIN	ODI	9	0.20	03H		+15.10	
12	49	08/96	BOBBIN	NQI		0.05	08C		+5.77	
		08/96	BOBBIN	NQI		0.09	04C		+15.16	
12	105	08/96	BOBBIN	ADI		0.10	01C		+17.09	
13	54	08/96	BOBBIN	ODI	9	0.22	01C		+7.10	
13	122	08/96	BOBBIN	ADI		0.14	05H		+26.25	
		08/96	BOBBIN	ODI	2	0.10	04C		+6.86	
14	43	08/96	BOBBIN	ADI		0.11	04C		+2.96	
16	37	08/96	BOBBIN	NQI		0.07	01C		+23.17	to +30.00
17	96	08/96	BOBBIN	ODI	11	0.09	03C		+28.82	
18	9	08/96	BOBBIN	ODI	7	0.09	05C		+19.14	
18	17	08/96	BOBBIN	OXF		29.16	TEC		+14.49	to +15.88
18	19	08/96	BOBBIN	ODI	14	0.08	01C		+18.57	
18	25	08/96	BOBBIN	OXF		25.44	TEC		+14.33	to +16.29
19	12	08/96	BOBBIN	ODI	6	0.12	06H		+13.91	
19	78	08/96	BOBBIN	OXF		27.56	TEH		+0.41	to +1.79
19	86	08/96	BOBBIN	OXF		27.10	TEH		+0.57	to +3.56
21	10	08/96	BOBBIN	ODI	7	0.11	03H		+13.22	
22	121	08/96	BOBBIN	ODI	7	0.30	03H		+15.02	
23	78	08/96	BOBBIN	ADI		0.18	03C		+15.43	
		08/96	BOBBIN	NQI		0.06	01C		+12.50	
23	118	08/96	BOBBIN	ODI	9	0.10	02H		+17.53	
25	12	08/96	BOBBIN	ODI	12	0.16	07H		+16.56	
25	66	08/96	BOBBIN	ODI	7	0.13	06C		+32.17	
26	9	08/96	BOBBIN	ODI	10	0.21	04C		+37.01	
27	32	08/96	BOBBIN	ODI	2	0.14	03C		+29.09	
29	20	08/96	BOBBIN	ODI	3	0.33	06C		+23.37	
29	102	08/96	BOBBIN	ADI		0.16	02H		+20.42	
30	69	08/96	BOBBIN	ADI		0.11	03H		+7.15	
		08/96	BOBBIN	ADI		0.12	07H		+2.64	
		08/96	BOBBIN	ODI	9	0.21	01C		+12.95	
31	12	08/96	BOBBIN	ODI	6	0.09	02C		+14.54	
31	98	08/96	BOBBIN	ADI		0.07	07C		+30.06	
34	93	08/96	BOBBIN	ODI	9	0.22	04C		+26.37	
35	126	08/96	BOBBIN	ADI		0.07	05H		+6.97	
36	27	08/96	BOBBIN	ODI	10	0.09	02C		+14.96	
37	6	08/96	BOBBIN	ODI	3	0.12	05H		+17.12	
37	44	08/96	BOBBIN	ODI	11	0.10	03C		+15.87	
39	64	08/96	BOBBIN	ODI	11	0.12	02C		+27.46	
39	68	08/96	BOBBIN	ODI	12	0.08	02C		+14.50	
39	82	08/96	BOBBIN	ODI	4	0.14	06C		+7.59	
39	104	08/96	BOBBIN	ADI		0.24	06C		+5.52	
40	49	08/96	BOBBIN	ODI	11	0.06	04C		+21.83	
41	10	08/96	BOBBIN	ODI	9	0.05	02C		+9.55	
41	14	08/96	BOBBIN	ODI	7	0.14	02C		+27.94	
45	106	08/96	BOBBIN	ODI	8	0.15	02C		+5.62	
45	122	08/96	BOBBIN	ODI	21	0.17	02C		+13.41	
45	132	08/96	BOBBIN	ODI	1	0.03	04C		+12.10	
		08/96	BOBBIN	ODI	1	0.04	02C		+15.12	
46	37	08/96	BOBBIN	ODI	1	0.19	06C		+18.59	
		08/96	BOBBIN	ODI	11	0.16	06C		+19.70	
47	24	08/96	BOBBIN	ODI	3	0.20	02H		+22.63	
49	104	08/96	BOBBIN	ADI		0.17	03C		+17.13	
51	20	08/96	BOBBIN	ODI	2	0.17	04C		+22.32	
		08/96	BOBBIN	ODI	8	0.26	04C		+21.80	

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FTI TUBAN II (Version 2.3) 02/28/2000 13:07:11  
 McGuire N.S. - Unit One Replacement  
 S/G C  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGC  
 ROW COL OUTAGE TEST TYPE

IND %TW VOLTS LOCATION

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION		
		08/96	BOBBIN	ODI	9	0.07	04C	+19.66	
51	66	08/96	BOBBIN	ODI	3	0.16	02C	+11.29	
51	74	08/96	BOBBIN	ADI		0.13	04C	+19.80	
51	90	08/96	BOBBIN	ADI		0.06	06C	+12.94	
51	96	08/96	BOBBIN	ODI	10	0.09	04C	+16.76	
52	75	08/96	BOBBIN	ADI		0.08	06C	+20.46	
		08/96	BOBBIN	ADI		0.11	06C	+21.45	
54	13	08/96	BOBBIN	ODI	4	0.07	03C	+21.56	
54	35	08/96	BOBBIN	ADI		0.10	TSC	+4.01	
55	10	08/96	BOBBIN	ODI	1	0.11	04C	+19.95	
55	20	08/96	BOBBIN	ODI	10	0.08	06C	+17.20	
60	115	08/96	BOBBIN	ODI	5	0.05	01C	+9.67	
60	123	08/96	BOBBIN	ADI		0.23	05C	+27.78	
62	77	08/96	BOBBIN	ODI	1	0.06	01C	+9.78	
63	44	08/96	BOBBIN	ODI	1	0.07	07H	+25.23	
63	62	08/96	BOBBIN	EXP		79.12	TEC	+1.41	to +2.94
63	70	08/96	BOBBIN	EXP		75.34	TEC	+1.36	to +2.45
63	78	08/96	BOBBIN	EXP		*****	TEC	+1.22	to +2.83
63	82	08/96	BOBBIN	ODI	1	0.04	03C	+29.14	
		08/96	BOBBIN	ODI	1	0.05	02C	+4.40	
64	21	08/96	BOBBIN	ODI	9	0.17	04C	+32.53	
64	25	08/96	BOBBIN	ODI	12	0.08	03H	+8.86	
65	98	08/96	BOBBIN	ODI	1	0.07	03H	+5.73	
		08/96	BOBBIN	ODI	1	0.17	03C	+6.88	
		08/96	BOBBIN	ODI	2	0.14	02C	+34.30	
		08/96	BOBBIN	ODI	11	0.07	07C	+6.96	
66	85	08/96	BOBBIN	ODI	1	0.08	03C	+22.71	
66	101	08/96	BOBBIN	ADI		0.10	04H	+26.01	
67	106	08/96	BOBBIN	ODI	2	0.08	07H	+24.80	
		08/96	BOBBIN	ODI	7	0.26	07H	+25.77	
68	99	08/96	BOBBIN	ODI	11	0.07	01C	+26.15	
		08/96	BOBBIN	ODI	14	0.06	01C	+28.13	
69	88	08/96	BOBBIN	ODI	1	0.06	02C	+11.98	
70	55	08/96	BOBBIN	ADI		0.08	03C	+5.11	
70	107	08/96	BOBBIN	ODI	8	0.06	05H	+26.29	
71	72	08/96	BOBBIN	ODI	3	0.12	02H	+20.90	
73	18	08/96	BOBBIN	ADI		0.13	02H	+25.84	
73	74	08/96	BOBBIN	ADI		0.07	03H	+34.24	
73	90	08/96	BOBBIN	ODI	10	0.06	03C	+33.14	
73	98	08/96	BOBBIN	ODI	1	0.11	01C	+19.39	
74	117	08/96	BOBBIN	ADI		0.11	TSC	+1.80	
75	48	08/96	BOBBIN	ODI	2	0.10	09C	+5.38	
		08/96	BOBBIN	ODI	14	0.08	08H	+33.74	
75	60	08/96	BOBBIN	ADI		0.13	02H	+14.87	
78	21	08/96	BOBBIN	ODI	24	0.16	08C	+18.02	
78	35	08/96	BOBBIN	ODI	12	0.27	08C	+11.77	
		08/96	BOBBIN	ODI	13	0.11	06C	+4.90	
79	52	08/96	BOBBIN	ODI	12	0.19	01C	+19.70	
79	68	08/96	BOBBIN	ODI	12	0.18	01C	+12.26	
83	50	08/96	BOBBIN	ODI	1	0.10	05H	+23.23	
85	28	08/96	BOBBIN	ADI		0.18	04C	+21.02	
85	48	08/96	BOBBIN	ADI		0.08	03C	+15.91	
		08/96	BOBBIN	ADI		0.09	TSC	+17.96	
86	55	08/96	BOBBIN	ADI		0.14	02H	+27.98	
88	41	08/96	BOBBIN	ODI	12	0.10	05C	+18.14	
92	51	08/96	BOBBIN	ODI	7	0.15	04H	+33.50	
92	117	08/96	BOBBIN	ODI	8	0.15	FB4	+6.30	
94	67	08/96	BOBBIN	ODI	13	0.13	05C	+16.22	
96	97	08/96	BOBBIN	ODI	1	0.08	02C	+26.16	
97	68	08/96	BOBBIN	ADI		0.12	08C	+27.38	
98	103	08/96	BOBBIN	ODI	13	0.11	03H	+17.63	
99	34	08/96	BOBBIN	NEX		3.67	TSC	-0.28	
104	67	08/96	BOBBIN	ODI	11	0.11	03C	+9.22	
105	40	08/96	BOBBIN	ADI		0.10	04H	+10.75	
105	54	08/96	BOBBIN	ODI	1	0.14	04C	+21.91	

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FTI TUBAN II (Version 2.3) 02/28/2000 13:07:11  
McGuire N.S. - Unit One Replacement  
S/G C  
08/96 BASELINE  
BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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Page 3

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS  
INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
106	43	08/96	BOBBIN	ODI	13	0.23	04C	+24.37
110	71	08/96	BOBBIN	ODI	14	0.18	06C	+22.78
112	81	08/96	BOBBIN	ADI		0.23	02C	+33.38
112	97	08/96	BOBBIN	ODI	10	0.17	02C	+34.64
117	84	08/96	BOBBIN	ODI	1	0.09	06C	+31.78

Total Indications Found = 135  
Total Tubes Found = 115

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FTI TUBAN II (Version 2.3) 02/28/2000 13:07:59  
 McGuire N.S. - Unit One Replacement  
 S/G D  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS  
 INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION		
2	79	08/96	BOBBIN	ADI		0.45	04H		+6.86	
5	8	08/96	BOBBIN	ODI	2	0.11	01H		+30.19	
7	140	08/96	BOBBIN	OXF		22.19	TSC		-0.79	
9	68	08/96	BOBBIN	ODI	4	0.20	01H		+25.45	
11	60	08/96	BOBBIN	OXF		26.25	TEC		+23.79	to +26.13
13	46	08/96	BOBBIN	ODI	7	0.11	07C		+31.09	
14	95	08/96	BOBBIN	ODI	14	0.16	04C		+4.58	
15	142	08/96	BOBBIN	ODI	10	0.08	01C		+20.39	
18	43	08/96	BOBBIN	OXF		26.07	TSH		-0.66	
22	53	08/96	BOBBIN	ODI	5	0.24	05H		+34.77	
22	131	08/96	BOBBIN	ADI		0.14	04H		+34.60	
		08/96	BOBBIN	NQI		0.06	07C		+11.64	
		08/96	BOBBIN	ODI	2	0.09	04H		+32.77	
		08/96	BOBBIN	ODI	7	0.13	06H		+29.80	
23	130	08/96	BOBBIN	OXF		21.30	TEH		+1.16	
24	55	08/96	BOBBIN	ODI	11	0.10	05H		+19.84	
24	59	08/96	BOBBIN	ODI	4	0.13	01H		+27.25	
		08/96	BOBBIN	ODI	10	0.09	04C		+19.68	
		08/96	BOBBIN	ODI	11	0.08	04C		+20.76	
		08/96	BOBBIN	ODI	12	0.12	05H		+29.77	
24	65	08/96	BOBBIN	OXF		25.25	TSH		-0.81	to -0.13
25	60	08/96	BOBBIN	ODI	10	0.11	04C		+20.31	
25	88	08/96	BOBBIN	ADI		0.11	02H		+5.22	
30	109	08/96	BOBBIN	ODI	3	0.37	04H		+11.49	
31	90	08/96	BOBBIN	ODI	16	0.12	05H		+23.60	
31	134	08/96	BOBBIN	OXF		25.82	TSH		-0.89	to +0.00
31	136	08/96	BOBBIN	OXF		27.44	TSH		-0.91	to +0.00
32	129	08/96	BOBBIN	OXF		29.80	TSC		-0.93	to -0.28
34	71	08/96	BOBBIN	ODI	8	0.08	02H		+31.00	
34	135	08/96	BOBBIN	OXF		25.95	TSH		-1.64	to -0.65
35	138	08/96	BOBBIN	OXF		28.28	TSC		-1.23	to -0.20
38	21	08/96	BOBBIN	OXF		27.11	TSH		-1.38	to -0.29
38	71	08/96	BOBBIN	NQI		0.04	04C		+10.61	
		08/96	BOBBIN	NQI		0.05	04C		+14.77	
40	125	08/96	BOBBIN	ODI	2	0.16	02H		+28.17	
42	71	08/96	BOBBIN	ODI	8	0.13	03H		+20.82	
		08/96	BOBBIN	ODI	12	0.16	01C		+25.07	
44	7	08/96	BOBBIN	ODI	2	0.16	04H		+14.91	
45	66	08/96	BOBBIN	ODI	8	0.14	03H		+9.54	
46	127	08/96	BOBBIN	ODI	4	0.13	08H		+11.20	
47	42	08/96	BOBBIN	ODI	14	0.07	03H		+25.22	
47	66	08/96	BOBBIN	ODI	14	0.19	04C		+9.96	
47	80	08/96	BOBBIN	ODI	14	0.09	02H		+29.33	
48	23	08/96	BOBBIN	ODI	5	0.31	06C		+26.27	
51	14	08/96	BOBBIN	OXF		25.14	TSC		-1.19	to +0.00
52	69	08/96	BOBBIN	ODI	8	0.23	03C		+2.78	
53	32	08/96	BOBBIN	ODI	9	0.10	06H		+20.05	
53	84	08/96	BOBBIN	ADI		0.08	03H		+19.09	
		08/96	BOBBIN	ADI		0.10	03H		+21.24	
54	97	08/96	BOBBIN	ODI	7	0.09	05C		+11.07	
55	40	08/96	BOBBIN	OXF		25.15	TSC		-1.21	to +0.00
56	65	08/96	BOBBIN	OXF		25.80	TSH		-0.75	to +0.00
56	93	08/96	BOBBIN	ADI		0.09	04H		+13.97	
57	72	08/96	BOBBIN	ODI	5	0.11	04H		+20.72	
58	47	08/96	BOBBIN	ODI	3	0.15	06H		+23.59	
		08/96	BOBBIN	ODI	7	0.11	04H		+24.78	
		08/96	BOBBIN	ODI	10	0.08	02H		+28.93	
59	54	08/96	BOBBIN	OXF		25.23	TEH		+22.80	to +24.69
60	17	08/96	BOBBIN	OXF		28.65	TEH		+0.00	to +3.56
63	32	08/96	BOBBIN	OXF		27.36	TSH		-1.39	to -0.38
63	124	08/96	BOBBIN	ADI		0.12	05C		+2.71	
		08/96	BOBBIN	ODI	4	0.15	08H		+23.04	
		08/96	BOBBIN	ODI	11	0.10	04H		+29.48	
63	130	08/96	BOBBIN	ADI		0.05	05H		+16.72	
64	57	08/96	BOBBIN	ODI	14	0.10	02H		+22.75	

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FTI TUBAN II (Version 2.3) 02/28/2000 13:07:59  
 McGuire N.S. - Unit One Replacement  
 S/G D  
 08/96 BASELINE  
 BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE

IND %TW VOLTS LOCATION

64	63	08/96	BOBBIN	ODI	3	0.07	05C	+17.06		
64	71	08/96	BOBBIN	ODI	11	0.09	03C	+6.61		
64	85	08/96	BOBBIN	EXP		20.52	TEC	+19.97		
65	74	08/96	BOBBIN	EXP		25.95	TSH	-1.02	to	-0.21
66	97	08/96	BOBBIN	ODI	7	0.18	06H	+27.84		
68	43	08/96	BOBBIN	ODI	13	0.09	04C	+23.11		
69	80	08/96	BOBBIN	ODI	8	0.07	02C	+15.69		
70	91	08/96	BOBBIN	ODI	1	0.26	03C	+37.09		
73	56	08/96	BOBBIN	ODI	7	0.11	08H	+31.57		
73	96	08/96	BOBBIN	ADI		0.17	FB1	+6.43		
		08/96	BOBBIN	ADI		0.19	FB1	+9.36		
76	107	08/96	BOBBIN	EXP		27.02	TSC	-1.12	to	+0.00
79	68	08/96	BOBBIN	EXP		25.86	TSH	-0.94	to	-0.35
83	98	08/96	BOBBIN	EXP		28.55	TSH	-1.04	to	+0.00
84	93	08/96	BOBBIN	ODI	4	0.09	07H	+15.08		
		08/96	BOBBIN	ODI	6	0.12	03H	+19.54		
		08/96	BOBBIN	ODI	7	0.12	03C	+10.32		
85	120	08/96	BOBBIN	ADI		0.11	04C	+28.04		
86	69	08/96	BOBBIN	EXP		24.65	TEC	+13.55		
		08/96	BOBBIN	EXP		31.29	TSC	-1.33		
86	103	08/96	BOBBIN	ODI	13	0.14	FB8	+9.07		
86	109	08/96	BOBBIN	ODI	12	0.11	04C	+10.56		
90	101	08/96	BOBBIN	ODI	12	0.07	06H	+24.34		
		08/96	BOBBIN	ODI	13	0.12	06C	+5.94		
91	96	08/96	BOBBIN	EXP		30.36	TEC	+0.00	to	+5.08
93	102	08/96	BOBBIN	ODI	5	0.12	06H	+22.63		
95	34	08/96	BOBBIN	NEX		21.11	TEH	+1.27	to	+13.20
95	72	08/96	BOBBIN	ODI	6	0.29	04C	+29.18		
98	45	08/96	BOBBIN	ODI	10	0.10	06C	+20.37		
98	71	08/96	BOBBIN	ODI	7	0.09	06C	+18.75		
		08/96	BOBBIN	ODI	7	0.21	02C	+28.48		
101	48	08/96	BOBBIN	EXP		55.00	TEH	+0.38	to	+5.89
110	63	08/96	BOBBIN	EXP		40.20	TEH	+10.91	to	+20.96
110	71	08/96	BOBBIN	EXP		44.64	TEH	+10.89	to	+21.93
110	97	08/96	BOBBIN	EXP		25.05	TEH	+1.12	to	+1.60
112	67	08/96	BOBBIN	ODI	11	0.06	05C	+33.58		
116	75	08/96	BOBBIN	ADI		0.09	FB7	+9.69		

Total Indications Found = 102  
 Total Tubes Found = 83

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FTI TUBAN II (Version 2.3) 02/29/2000 11:45:14  
McGuire N.S. - Unit One Replacement  
S/G A  
08/96 BASELINE

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Page 1

ATTACHMENT #5 - PLUGGED TUBES  
COUNT ROW COL

COUNT ROW COL

1. 1 10

Total Data Items Found = 1  
Total Tubes Found = 1



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FTI TUBAN II (Version 2.3) 02/29/2000 11:46:28  
McGuire N.S. - Unit One Replacement  
S/G B  
08/96 BASELINE

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Page 1

ATTACHMENT #6 - PLUGGED TUBES  
COUNT ROW COL

COUNT ROW COL

1. 24 121

Total Data Items Found = 1  
Total Tubes Found = 1

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FTI TUBAN II (Version 2.3) 02/29/2000 11:47:32  
McGuire N.S. - Unit One Replacement  
S/G C  
08/96 BASELINE

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Page 1

ATTACHMENT #7 - PLUGGED TUBES  
COUNT ROW COL

1.	45	122
2.	78	21
3.	93	98
4.	94	99

COUNT ROW COL

Total Data Items Found = 4  
Total Tubes Found = 4

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FTI TUBAN II (Version 2.3) 02/29/2000 11:48:42  
McGuire N.S. - Unit One Replacement  
S/G D  
08/96 BASELINE

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Page 1

ATTACHMENT #8 - PLUGGED TUBES  
COUNT ROW COL

COUNT ROW COL

1.	31	90
2.	81	106
3.	95	34
4.	106	39

Total Data Items Found = 4  
Total Tubes Found = 4