

Steam Generator Inspection Summary Report

McGuire Unit 1 January 1992 Tube Leak Outage

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: *Shelded Crump* Date: *2/29/00*

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

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

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

Controlled: *X* Uncontrolled:

Controlled Distribution

Copy No.

Assigned To

Original

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	Westinghouse	1461	NC-178375	68-107
Steam Generator 1B	Westinghouse	1462	NC-178376	68-108
Steam Generator 1C	Westinghouse	1463	NC-178377	68-109
Steam Generator 1D	Westinghouse	1464	NC-178378	68-110

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8¹/₂ 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 January 17, 1992 to February 20, 1992
- 9. Inspection Period Identification: 3rd Period of the 1st Interval
- 10. Inspection Interval Identification: 1st Interval
- 11. Applicable Edition of Section XI 1986 Addenda None
- 12. Date/Revision of Inspection Plan: Tech Spec 3-4.4.5 Steam Generator 12/9/91 Revision
- 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 Yours 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 1-17-1992 to 2-20-1992, 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

R Klein Commissions NB 7728, NC 853, N-I
Inspector's Signature National Board, State, Province, and Endorsements
Date 3-1 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
January, 1992, Leaker Outage

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	0
B	252
C	52
D	77

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.

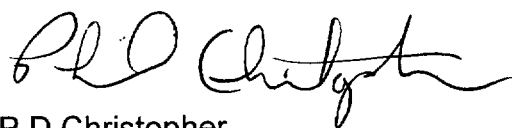
Steam Generator

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

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA
 ROW COL OUTAGE TEST TYPE

IND	%TW	VOLTS	LOCATION	
2	8	01/92	C/L Special Interest	ODI S/N 0.24 9TH TSP +34.44
		01/92	C/L Special Interest	ODI S/N 0.26 9TH TSP +28.91
		01/92	C/L Special Interest	ODI S/N 0.30 9TH TSP +20.44
		01/92	C/L Special Interest	ODI S/N 0.32 15TH TSP +15.89
		01/92	C/L Special Interest	ODI S/N 0.58 15TH TSP +11.54
2	17	01/92	H/L Special Interest	ODI S/N 0.60 3RD TSP +20.73
2	36	01/92	H/L Special Interest	ODI S/N 0.60 3RD TSP -5.91
3	44	01/92	H/L Special Interest	ODI S/N 0.31 TTS-HL +11.10
6	32	01/92	C/L Special Interest	ODI S/N 1.77 16TH TSP +9.03
8	39	01/92	H/L Special Interest	ODI S/N 0.52 5TH TSP +12.57
8	46	01/92	C/L Special Interest	ODI S/N 0.32 12TH TSP +10.74
8	79	01/92	H/L Special Interest	ODI S/N 0.38 5TH TSP +32.16
		01/92	H/L Special Interest	ODI S/N 0.56 6TH TSP -12.40
8	92	01/92	H/L Special Interest	ODI S/N 0.34 3RD TSP +1.89
		01/92	H/L Special Interest	ODI S/N 0.75 3RD TSP +2.31
9	4	01/92	C/L Special Interest	ODI S/N 0.40 TTS-CL +13.88
9	17	01/92	H/L Special Interest	ODI S/N 0.69 5TH TSP -9.19
		01/92	H/L Special Interest	ODI S/N 1.12 5TH TSP -6.14
9	59	01/92	C/L Special Interest	ODI S/N 0.23 10TH TSP +24.88
9	66	01/92	H/L Special Interest	ODI S/N 0.41 1ST TSP +17.75
10	57	01/92	C/L Special Interest	ODI S/N 0.34 10TH TSP +26.02
10	78	01/92	H/L Special Interest	ODI S/N 0.26 2ND TSP +41.53
10	93	01/92	H/L Special Interest	ODI S/N 0.51 1ST TSP +18.48
11	64	01/92	H/L Special Interest	ODI S/N 0.16 2ND TSP +11.79
12	13	01/92	C/L Special Interest	ODI S/N 1.00 19TH TSP +3.72
12	109	01/92	H/L Special Interest	ODI S/N 0.53 4TH TSP +10.21
13	16	01/92	C/L Special Interest	ODI S/N 0.57 18TH TSP +5.58
13	33	01/92	C/L Special Interest	ODI S/N 0.43 12TH TSP +12.32
14	52	01/92	C/L Special Interest	ODI S/N 0.34 15TH TSP +9.53
14	61	01/92	C/L Special Interest	ODI S/N 0.40 8TH TSP -5.33
		01/92	C/L Special Interest	ODI S/N 0.17 11TH TSP +8.40
14	68	01/92	H/L Special Interest	ODI S/N 1.56 2ND TSP +8.09
14	82	01/92	H/L Special Interest	ODI S/N 0.41 6TH TSP +27.04
14	84	01/92	C/L Special Interest	ODI S/N 0.53 TTS-CL +25.15
		01/92	H/L Special Interest	ODI S/N 0.40 4TH TSP -8.30
14	92	01/92	C/L Special Interest	ODI S/N 0.22 11TH TSP +8.43
14	93	01/92	C/L Special Interest	ODI S/N 1.27 10TH TSP -9.28
14	94	01/92	H/L Special Interest	ODI S/N 1.16 4TH TSP +15.70
14	99	01/92	H/L Special Interest	ODI S/N 0.27 2ND TSP +23.01
15	55	01/92	C/L Special Interest	ODI S/N 1.13 9TH TSP +32.30
		01/92	C/L Special Interest	ODI S/N 0.31 12TH TSP +5.44
17	5	01/92	C/L Special Interest	ODI S/N 0.59 9TH TSP +22.86
17	26	01/92	C/L Special Interest	ODI S/N 0.20 15TH TSP +6.47
17	82	01/92	C/L Special Interest	ODI S/N 0.72 17TH TSP +5.63
19	48	01/92	C/L Special Interest	ODI S/N 0.44 TTS-CL +17.10
19	110	01/92	H/L Special Interest	ODI S/N 0.48 2ND TSP -4.09
20	97	01/92	H/L Special Interest	ODI S/N 0.14 3RD TSP -14.54
20	109	01/92	H/L Special Interest	ODI S/N 0.46 7TH TSP -5.91
21	49	01/92	C/L Special Interest	ODI S/N 0.33 TTS-CL +16.77
21	95	01/92	H/L Special Interest	ODI S/N 0.33 1ST TSP +12.38
21	102	01/92	H/L Special Interest	ODI S/N 0.69 TTS-HL +17.52
22	33	01/92	H/L Special Interest	ODI S/N 0.71 6TH TSP +6.69
22	55	01/92	H/L Special Interest	ODI S/N 0.36 1ST TSP +3.82
22	85	01/92	C/L Special Interest	ODI S/N 0.38 20TH TSP +5.04
23	16	01/92	C/L Special Interest	ODI S/N 0.36 11TH TSP +19.12
23	45	01/92	C/L Special Interest	ODI S/N 0.21 12TH TSP +10.46
23	52	01/92	C/L Special Interest	ODI S/N 0.51 11TH TSP +12.35
23	61	01/92	C/L Special Interest	ODI S/N 0.63 10TH TSP +25.84
		01/92	C/L Special Interest	ODI S/N 1.01 10TH TSP +10.60
23	85	01/92	H/L Special Interest	ODI S/N 0.34 4TH TSP +33.11
23	99	01/92	H/L Special Interest	ODI S/N 0.17 6TH TSP +36.05
24	28	01/92	C/L Special Interest	ODI S/N 0.49 10TH TSP +3.57
		01/92	C/L Special Interest	ODI S/N 1.26 16TH TSP +5.44
25	36	01/92	C/L Special Interest	ODI S/N 0.56 9TH TSP +22.07
25	58	01/92	H/L Special Interest	ODI S/N 0.36 3RD TSP +16.87

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
25	70	01/92	H/L	Special Interest	ODI S/N	1.55	5TH TSP		+40.66
25	71	01/92	C/L	Special Interest	ODI S/N	1.24	11TH TSP		+41.71
26	26	01/92	C/L	Special Interest	ODI S/N	0.17	12TH TSP		+6.64
27	39	01/92	C/L	Special Interest	ODI 12	0.39	16TH TSP		
28	46	01/92	C/L	Special Interest	ODI S/N	0.29	TTS-CL		+21.19
28	94	01/92	H/L	Special Interest	ODI S/N	0.39	3RD TSP		+33.99
		01/92	H/L	Special Interest	ODI S/N	0.59	4TH TSP		+25.09
29	15	01/92	C/L	Special Interest	ODI S/N	0.18	11TH TSP		+25.45
		01/92	C/L	Special Interest	ODI S/N	0.66	17TH TSP		+11.68
29	80	01/92	H/L	Special Interest	ODI S/N	0.42	2ND TSP		+24.07
29	98	01/92	H/L	Special Interest	ODI S/N	0.27	6TH TSP		+12.58
30	97	01/92	H/L	Special Interest	ODI S/N	0.39	TTS-HL		+14.80
31	46	01/92	C/L	Special Interest	ODI S/N	0.28	10TH TSP		+7.80
32	48	01/92	H/L	Special Interest	ODI S/N	0.54	5TH TSP		+11.25
33	27	01/92	C/L	Special Interest	ODI S/N	0.71	9TH TSP		+35.29
		01/92	C/L	Special Interest	ODI S/N	0.54	19TH TSP		+2.98
33	32	01/92	H/L	Special Interest	ODI S/N	0.23	3RD TSP		+36.02
34	19	01/92	H/L	Special Interest	ODI S/N	0.43	6TH TSP		+27.25
		01/92	C/L	Special Interest	ODI S/N	0.17	13TH TSP		+5.70
34	26	01/92	C/L	Special Interest	ODI S/N	0.27	10TH TSP		+3.92
		01/92	C/L	Special Interest	ODI S/N	0.42	10TH TSP		+37.12
34	73	01/92	H/L	Special Interest	ODI S/N	0.27	6TH TSP		+10.99
34	95	01/92	C/L	Special Interest	ODI S/N	0.25	9TH TSP		+16.24
		01/92	C/L	Special Interest	ODI S/N	0.37	17TH TSP		+15.16
35	41	01/92	H/L	Special Interest	ODI S/N	0.46	6TH TSP		+20.19
35	90	01/92	C/L	Special Interest	ODI S/N	1.94	9TH TSP		+40.38
36	25	01/92	C/L	Special Interest	ODI S/N	0.37	17TH TSP		+5.06
36	34	01/92	H/L	Special Interest	ODI S/N	1.38	3RD TSP		-4.15
36	56	01/92	H/L	Special Interest	ODI S/N	1.14	5TH TSP		+18.78
36	81	01/92	C/L	Special Interest	ODI S/N	0.49	11TH TSP		+31.12
36	89	01/92	H/L	Special Interest	ODI S/N	0.32	TTS-HL		+2.34
36	98	01/92	C/L	Special Interest	ODI S/N	0.32	TTS-CL		+9.91
37	18	01/92	C/L	Special Interest	ODI S/N	0.15	17TH TSP		+11.61
37	81	01/92	H/L	Special Interest	ODI S/N	0.72	TTS-HL		+8.89
		01/92	H/L	Special Interest	ODI S/N	1.16	TTS-HL		+12.91
37	98	01/92	H/L	Special Interest	ODI S/N	0.41	1ST TSP		+13.73
38	18	01/92	C/L	Special Interest	ODI S/N	0.29	10TH TSP		-7.22
38	40	01/92	C/L	Special Interest	ODI S/N	0.14	10TH TSP		+15.12
		01/92	C/L	Special Interest	ODI S/N	0.18	10TH TSP		+11.06
		01/92	C/L	Special Interest	ODI S/N	0.20	10TH TSP		+13.71
		01/92	C/L	Special Interest	ODI S/N	0.28	10TH TSP		+17.55
38	83	01/92	H/L	Special Interest	ODI S/N	0.23	6TH TSP		+9.52
38	90	01/92	H/L	Special Interest	ODI S/N	0.57	TTS-HL		+20.89
38	92	01/92	H/L	Special Interest	ODI S/N	0.43	2ND TSP		+21.97
38	95	01/92	C/L	Special Interest	ODI S/N	0.50	18TH TSP		+4.34
38	97	01/92	H/L	Special Interest	ODI S/N	0.48	4TH TSP		-8.41
38	98	01/92	C/L	Special Interest	ODI S/N	0.09	TTS-CL		+13.07
39	91	01/92	C/L	Special Interest	ODI S/N	0.27	17TH TSP		+16.10
39	94	01/92	C/L	Special Interest	ODI S/N	0.31	9TH TSP		+26.40
		01/92	C/L	Special Interest	ODI S/N	0.58	9TH TSP		+9.13
39	96	01/92	C/L	Special Interest	ODI S/N	0.50	10TH TSP		+31.12
39	97	01/92	C/L	Special Interest	ODI S/N	0.37	10TH TSP		+13.34
40	23	01/92	H/L	Special Interest	ODI S/N	0.45	6TH TSP		+12.95
40	50	01/92	C/L	Special Interest	ODI S/N	0.29	12TH TSP		+10.01
40	57	01/92	H/L	Special Interest	ODI S/N	0.49	6TH TSP		+24.35
40	69	01/92	C/L	Special Interest	ODI S/N	0.43	TTS-CL		+20.81
40	76	01/92	C/L	Special Interest	ODI S/N	0.80	10TH TSP		+20.87
40	79	01/92	H/L	Special Interest	ODI S/N	0.29	7TH TSP		-9.52
40	84	01/92	H/L	Special Interest	ODI S/N	0.31	1ST TSP		+18.64
40	87	01/92	C/L	Special Interest	ODI S/N	2.35	TTS-CL		+7.00
		01/92	H/L	Special Interest	ODI S/N	0.22	3RD TSP		+10.62
		01/92	H/L	Special Interest	ODI S/N	0.54	3RD TSP		+13.35
40	89	01/92	C/L	Special Interest	ODI S/N	0.25	17TH TSP		+9.91
41	40	01/92	H/L	Special Interest	ODI S/N	0.20	4TH TSP		+9.29
41	65	01/92	C/L	Special Interest	ODI S/N	0.20	TTS-CL		+10.54

FTI TUBAN II (Version 2.3) 02/28/2000 10:47:52
McGuire Nuclear Station - Unit One
S/G A
01/92 LKR
BOBBIN,MRPC C/L SI,MRPC H/L SI,MRPC UBEND SI

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
41	66	01/92	H/L	Special Interest	ODI	S/N	0.21	TTS-HL	+22.51
42	56	01/92	H/L	Special Interest	ODI	S/N	0.66	1ST TSP	+12.98
43	32	01/92	H/L	Special Interest	ODI	S/N	0.52	4TH TSP	+23.22
43	35	01/92	H/L	Special Interest	ODI	S/N	0.18	2ND TSP	+33.87
43	58	01/92	C/L	Special Interest	ODI	S/N	0.41	17TH TSP	+16.38
43	62	01/92	C/L	Special Interest	ODI	S/N	0.18	11TH TSP	+12.99
43	87	01/92	C/L	Special Interest	ODI	S/N	0.65	9TH TSP	+6.78
44	90	01/92	C/L	Special Interest	WAR	11	0.30	16TH TSP	
		01/92	C/L	Special Interest	ODI	S/N	0.16	17TH TSP	+0.27
45	39	01/92	H/L	Special Interest	ODI	S/N	1.43	4TH TSP	+20.36
45	48	01/92	C/L	Special Interest	ODI	S/N	0.21	14TH TSP	+7.49
45	77	01/92	C/L	Special Interest	ODI	S/N	0.41	16TH TSP	+9.31
45	90	01/92	C/L	Special Interest	ODI	S/N	0.18	18TH TSP	+0.39
46	31	01/92	C/L	Special Interest	ODI	S/N	0.26	9TH TSP	+33.36
46	42	01/92	H/L	Special Interest	ODI	S/N	0.39	2ND TSP	+9.13
		01/92	H/L	Special Interest	ODI	S/N	0.74	2ND TSP	+8.59
46	47	01/92	C/L	Special Interest	ODI	S/N	0.26	TTS-CL	+22.10
46	78	01/92	H/L	Special Interest	ODI	S/N	0.25	1ST TSP	+17.48
		01/92	C/L	Special Interest	ODI	S/N	0.41	11TH TSP	+3.22
		01/92	C/L	Special Interest	ODI	S/N	0.57	11TH TSP	+3.45
46	81	01/92	C/L	Special Interest	ODI	S/N	1.63	9TH TSP	+24.10
46	87	01/92	H/L	Special Interest	ODI	S/N	0.45	5TH TSP	+12.17
46	88	01/92	C/L	Special Interest	ODI	S/N	0.19	11TH TSP	+33.52
46	89	01/92	H/L	Special Interest	ODI	S/N	0.51	4TH TSP	+25.78
		01/92	H/L	Special Interest	ODI	S/N	0.60	4TH TSP	+21.80
47	56	01/92	H/L	Special Interest	ODI	S/N	0.22	TTS-HL	+17.00
47	73	01/92	H/L	Special Interest	ODI	S/N	0.48	5TH TSP	+25.85
48	39	01/92	H/L	Special Interest	ODI	S/N	0.44	1ST TSP	+11.04
48	75	01/92	C/L	Special Interest	ODI	S/N	0.20	16TH TSP	+0.31
49	46	01/92	H/L	Special Interest	ODI	S/N	0.45	3RD TSP	+23.59
		01/92	H/L	Special Interest	ODI	S/N	0.55	4TH TSP	+19.72
49	53	01/92	H/L	Special Interest	ODI	S/N	0.47	3RD TSP	+29.96
49	54	01/92	C/L	Special Interest	ODI	S/N	0.32	10TH TSP	+22.22

Total Indications Found = 163
Total Tubes Found = 132

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
2	1	01/92	Bobbin		ODI	3	0.32	2ND TSP	+0.03
2	3	01/92	Bobbin		ODI	2	0.36	2ND TSP	+0.06
2	11	01/92	H/L Special Interest		ODI S/N	0.65	4TH TSP		+37.50
2	46	01/92	H/L Special Interest		ODI S/N	0.53	2ND TSP		+22.12
2	70	01/92	Bobbin		ADS	0.69	9TH TSP		+21.29
2	79	01/92	Bobbin		ADS	1.62	18TH TSP		+11.48
2	80	01/92	Bobbin		ADS	1.50	TTS-HL		+7.50
2	83	01/92	Bobbin		ADS	1.41	4TH TSP		+12.63
2	87	01/92	Bobbin		ADS	0.69	15TH TSP		+10.25
2	97	01/92	Bobbin		ADS	1.55	9TH TSP		+8.17
2	105	01/92	Bobbin		ADS	0.66	TTS-CL		+12.14
3	51	01/92	H/L Special Interest		ODI S/N	0.35	5TH TSP		+40.88
3	60	01/92	Bobbin		DNT	4.04	7TH TSP		+3.78
3	68	01/92	Bobbin		ODI	3	0.47	17TH TSP	-0.03
3	99	01/92	Bobbin		ADS	1.00	3RD TSP		+16.29
3	106	01/92	Bobbin		ADS	1.44	1ST TSP		+17.88
3	108	01/92	Bobbin		ODI S/N	0.60	15TH TSP		-0.09
3	110	01/92	Bobbin		ADS	0.79	18TH TSP		+30.80
4	9	01/92	Bobbin		ADS	1.73	6TH TSP		+29.48
4	16	01/92	Bobbin		ADS	0.61	9TH TSP		+17.91
		01/92	Bobbin		ADS	1.14	2ND TSP		+33.90
		01/92	C/L Special Interest		ODI S/N	0.27	9TH TSP		+17.90
		01/92	H/L Special Interest		ODI S/N	1.60	2ND TSP		+34.67
4	44	01/92	Bobbin		ADS	0.88	18TH TSP		+4.72
		01/92	C/L Special Interest		ODI S/N	0.57	18TH TSP		+4.20
4	80	01/92	H/L Special Interest		ODI S/N	2.91	2ND TSP		+15.97
6	32	01/92	H/L Special Interest		ODI S/N	0.59	3RD TSP		+39.93
6	78	01/92	H/L Special Interest		ODI S/N	2.70	2ND TSP		+27.41
		01/92	H/L Special Interest		ODI S/N	3.48	2ND TSP		+38.95
6	95	01/92	H/L Special Interest		ODI S/N	2.77	TTS-HL		+25.90
		01/92	H/L Special Interest		ODI S/N	3.44	1ST TSP		+18.50
8	20	01/92	H/L Special Interest		ODI S/N	0.83	2ND TSP		+32.86
8	22	01/92	C/L Special Interest		ODI S/N	0.33	17TH TSP		+16.10
9	42	01/92	H/L Special Interest		ODI S/N	0.43	1ST TSP		+19.32
10	43	01/92	C/L Special Interest		ODI S/N	3.74	10TH TSP		+28.79
11	31	01/92	C/L Special Interest		ODI S/N	0.15	10TH TSP		+20.42
13	37	01/92	C/L Special Interest		ODI S/N	0.47	17TH TSP		+4.15
13	92	01/92	H/L Special Interest		ODI S/N	5.07	4TH TSP		+34.95
15	11	01/92	H/L Special Interest		ODI S/N	0.46	6TH TSP		+17.59
15	24	01/92	H/L Special Interest		ODI S/N	1.58	3RD TSP		+35.00
15	43	01/92	C/L Special Interest		ODI S/N	1.36	TTS-CL		+12.43
		01/92	C/L Special Interest		ODI S/N	2.17	17TH TSP		+15.79
15	93	01/92	H/L Special Interest		ODI S/N	9.55	4TH TSP		+15.10
15	96	01/92	C/L Special Interest		ODI S/N	0.31	10TH TSP		-2.56
16	91	01/92	C/L Special Interest		ODI S/N	6.15	10TH TSP		+34.05
16	107	01/92	H/L Special Interest		ODI S/N	13.86	5TH TSP		+12.82
17	106	01/92	C/L Special Interest		ODI S/N	0.93	11TH TSP		+7.95
17	109	01/92	H/L Special Interest		ODI S/N	1.88	3RD TSP		+17.18
20	59	01/92	C/L Special Interest		ODI S/N	1.28	9TH TSP		+18.87
20	93	01/92	H/L Special Interest		ODI S/N	1.74	2ND TSP		+17.87
21	6	01/92	C/L Special Interest		ODI S/N	0.32	9TH TSP		+27.56
21	8	01/92	H/L Special Interest		ODI S/N	0.31	6TH TSP		+32.84
21	16	01/92	H/L Special Interest		ODI S/N	0.54	5TH TSP		+19.13
		01/92	H/L Special Interest		ODI S/N	0.65	5TH TSP		+18.61
21	24	01/92	C/L Special Interest		ODI S/N	0.64	16TH TSP		+2.11
21	68	01/92	C/L Special Interest		ODI S/N	0.29	11TH TSP		+28.86
21	86	01/92	H/L Special Interest		ODI S/N	1.82	3RD TSP		+23.92
		01/92	H/L Special Interest		ODI S/N	1.85	3RD TSP		+26.69
21	99	01/92	C/L Special Interest		ODI S/N	0.47	13TH TSP		+4.64
21	103	01/92	H/L Special Interest		ODI S/N	0.59	6TH TSP		+10.57
22	43	01/92	C/L Special Interest		ODI S/N	0.24	20TH TSP		+1.92
22	49	01/92	C/L Special Interest		ODI S/N	0.30	11TH TSP		+9.43
22	54	01/92	C/L Special Interest		ODI S/N	0.27	16TH TSP		+4.43
		01/92	C/L Special Interest		ODI S/N	0.30	16TH TSP		+7.76
22	86	01/92	H/L Special Interest		ODI S/N	0.83	4TH TSP		+18.42

FTI TUBAN II (Version 2.3) 02/28/2000 11:01:30
 McGuire Nuclear Station - Unit One
 S/G B
 01/92 LKR
 Bobbin,C/L Special Interest,H/L Special Interest

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

IND	%TW	VOLTS	LOCATION	
22	90	01/92	C/L Special Interest	ODI S/N 0.39 11TH TSP +0.59
22	92	01/92	H/L Special Interest	ODI S/N 0.27 4TH TSP +36.89
22	97	01/92	H/L Special Interest	ODI S/N 0.48 6TH TSP +31.27
		01/92	H/L Special Interest	ODI S/N 0.55 5TH TSP +39.49
		01/92	C/L Special Interest	ODI S/N 0.31 17TH TSP +11.70
22	99	01/92	H/L Special Interest	ODI S/N 1.16 6TH TSP +21.18
		01/92	H/L Special Interest	ODI S/N 3.13 6TH TSP +15.43
		01/92	H/L Special Interest	ODI S/N 3.58 6TH TSP +19.87
		01/92	H/L Special Interest	ODI S/N 5.35 6TH TSP +18.89
23	14	01/92	H/L Special Interest	ODI S/N 0.67 6TH TSP +13.81
23	15	01/92	H/L Special Interest	ODI S/N 0.21 2ND TSP +0.06
23	24	01/92	C/L Special Interest	ODI S/N 0.30 TTS-CL +23.83
24	72	01/92	C/L Special Interest	ODI S/N 0.23 17TH TSP +7.75
24	93	01/92	C/L Special Interest	ODI S/N 0.37 19TH TSP +3.87
25	96	01/92	H/L Special Interest	ODI S/N 2.96 4TH TSP +18.82
26	97	01/92	H/L Special Interest	ODI S/N 1.70 3RD TSP +15.83
		01/92	H/L Special Interest	ODI S/N 2.29 3RD TSP +16.61
27	24	01/92	H/L Special Interest	ODI S/N 1.27 1ST TSP +15.33
27	27	01/92	Bobbin	ADS 1.93 4TH TSP +38.03
		01/92	H/L Special Interest	ODI S/N 2.45 4TH TSP +38.68
27	38	01/92	C/L Special Interest	ODI S/N 0.31 9TH TSP +23.45
27	67	01/92	C/L Special Interest	ODI S/N 0.36 13TH TSP +3.15
28	60	01/92	C/L Special Interest	ODI S/N 0.46 9TH TSP +5.53
28	73	01/92	H/L Special Interest	ODI S/N 7.05 TTS-HL +7.67
		01/92	H/L Special Interest	ODI S/N 10.92 1ST TSP +3.59
29	72	01/92	C/L Special Interest	ODI S/N 0.47 9TH TSP +12.87
30	18	01/92	C/L Special Interest	ODI S/N 0.48 12TH TSP +10.16
30	20	01/92	C/L Special Interest	ODI S/N 0.42 TTS-CL +9.86
30	51	01/92	C/L Special Interest	ODI S/N 0.75 11TH TSP +38.38
30	67	01/92	H/L Special Interest	ODI S/N 0.60 TTS-HL +22.66
30	71	01/92	C/L Special Interest	ODI S/N 0.31 9TH TSP +23.62
30	78	01/92	C/L Special Interest	ODI S/N 0.29 14TH TSP +6.93
		01/92	C/L Special Interest	ODI S/N 0.48 12TH TSP +15.09
30	90	01/92	H/L Special Interest	ODI S/N 1.14 3RD TSP +22.66
		01/92	H/L Special Interest	ODI S/N 1.22 1ST TSP +18.57
31	102	01/92	H/L Special Interest	ODI S/N 2.44 3RD TSP +2.83
		01/92	H/L Special Interest	ODI S/N 6.70 2ND TSP +25.69
32	75	01/92	H/L Special Interest	ODI S/N 0.33 2ND TSP +6.77
34	76	01/92	H/L Special Interest	ODI S/N 1.55 4TH TSP +10.43
34	83	01/92	H/L Special Interest	ODI S/N 1.44 3RD TSP +24.33
36	43	01/92	H/L Special Interest	ODI S/N 1.08 4TH TSP +20.08
36	88	01/92	H/L Special Interest	ODI S/N 0.42 5TH TSP +22.24
37	32	01/92	C/L Special Interest	ODI S/N 0.53 19TH TSP +4.51
37	33	01/92	C/L Special Interest	ODI S/N 0.34 12TH TSP +9.73
37	85	01/92	H/L Special Interest	ODI S/N 0.53 2ND TSP +20.98
37	88	01/92	C/L Special Interest	ODI S/N 0.91 17TH TSP +7.45
37	98	01/92	C/L Special Interest	ODI S/N 0.33 TTS-CL +7.46
39	96	01/92	C/L Special Interest	ODI S/N 0.59 10TH TSP +17.69
40	48	01/92	Bobbin	ADS 1.75 2ND TSP +7.56
		01/92	H/L Special Interest	ODI S/N 1.21 2ND TSP +7.82
41	49	01/92	Bobbin	ADS 1.21 5TH TSP +39.42
		01/92	Bobbin	ADS 1.29 4TH TSP +37.59
41	53	01/92	Bobbin	ODI S/N 0.37 TTS-CL +22.78
		01/92	Bobbin	ODI S/N 0.47 11TH TSP +23.15
		01/92	C/L Special Interest	ODI S/N 0.60 TTS-CL +22.94
		01/92	C/L Special Interest	ODI S/N 0.61 11TH TSP +23.18
41	67	01/92	C/L Special Interest	ODI S/N 0.36 10TH TSP +28.56
42	45	01/92	C/L Special Interest	ODI S/N 0.51 13TH TSP +6.23
42	54	01/92	H/L Special Interest	ODI S/N 1.24 2ND TSP +26.58
		01/92	C/L Special Interest	ODI S/N 0.16 11TH TSP +4.43
44	72	01/92	C/L Special Interest	ODI S/N 2.70 10TH TSP +5.86
		01/92	C/L Special Interest	ODI S/N 3.33 11TH TSP +14.99
		01/92	C/L Special Interest	ODI S/N 4.48 11TH TSP +23.93
44	74	01/92	H/L Special Interest	ODI S/N 0.43 3RD TSP +19.44
44	76	01/92	C/L Special Interest	ODI S/N 0.31 9TH TSP +19.44

FTI TUBAN II (Version 2.3) 02/28/2000 11:01:30
McGuire Nuclear Station - Unit One
S/G B
01/92 LKR
Bobbin,C/L Special Interest,H/L Special Interest

Page 3

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
46	74	01/92	H/L Special Interest	ODI	S/N	0.45	2ND TSP	+16.35
		01/92	H/L Special Interest	ODI	S/N	0.53	2ND TSP	+23.25
		01/92	C/L Special Interest	ODI	S/N	1.88	10TH TSP	+7.64
		01/92	C/L Special Interest	ODI	S/N	2.82	10TH TSP	+15.74
47	42	01/92	C/L Special Interest	ODI	S/N	0.33	11TH TSP	+21.21
		01/92	C/L Special Interest	ODI	S/N	0.37	11TH TSP	+19.42
		01/92	C/L Special Interest	ODI	S/N	0.63	11TH TSP	+31.53
48	45	01/92	Bobbin	ADS		0.99	2ND TSP	+21.34
49	52	01/92	Bobbin	ODI	20	0.43	16TH TSP	-0.02
		01/92	Bobbin	ODI	25	0.30	16TH TSP	-0.23
		01/92	Bobbin	ODI	48	0.72	17TH TSP	-0.07
		01/92	Bobbin	ODI	57	1.19	17TH TSP	+0.30
49	56	01/92	C/L Special Interest	WAR	25	0.07	19TH TSP	

Total Indications Found = 143
Total Tubes Found = 106

FTI TUBAN II (Version 2.3) 02/28/2000 11:02:50
 McGuire Nuclear Station - Unit One
 S/G C
 01/92 LKR
 Bobbin,C/L Special Interest,H/L Special Interest

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

IND	%TW	VOLTS	LOCATION	
2	8	01/92	C/L Special Interest	ODI S/N 0.42 18TH TSP +10.87
		01/92	C/L Special Interest	ODI S/N 0.69 18TH TSP +19.95
2	11	01/92	C/L Special Interest	ODI S/N 1.06 11TH TSP +18.03
2	14	01/92	C/L Special Interest	ODI S/N 0.65 18TH TSP +19.04
2	58	01/92	C/L Special Interest	ODI S/N 0.53 15TH TSP +11.29
2	59	01/92	C/L Special Interest	ODI S/N 0.24 10TH TSP +10.16
2	63	01/92	C/L Special Interest	ODI S/N 0.29 18TH TSP +34.76
		01/92	C/L Special Interest	ODI S/N 0.54 18TH TSP +18.38
		01/92	C/L Special Interest	ODI S/N 0.52 15TH TSP +18.15
2	88	01/92	C/L Special Interest	ODI S/N 0.81 4TH TSP +24.58
4	6	01/92	H/L Special Interest	ODI S/N 0.21 18TH TSP +34.59
4	16	01/92	C/L Special Interest	ODI S/N 0.86 3RD TSP +21.75
4	54	01/92	H/L Special Interest	ODI S/N 0.69 10TH TSP +25.05
5	61	01/92	C/L Special Interest	ODI S/N 0.48 8TH TSP -11.49
5	69	01/92	C/L Special Interest	ODI S/N 0.28 2ND TSP +34.03
6	8	01/92	H/L Special Interest	ODI S/N 0.95 4TH TSP +15.25
		01/92	H/L Special Interest	ODI S/N 0.76 TTS-HL +24.13
6	13	01/92	H/L Special Interest	ODI S/N 0.51 11TH TSP +13.14
6	33	01/92	C/L Special Interest	ODI S/N 1.00 2ND TSP -2.78
6	93	01/92	H/L Special Interest	ODI S/N 0.67 11TH TSP +5.94
6	104	01/92	C/L Special Interest	ODI S/N 0.47 10TH TSP +22.48
7	12	01/92	C/L Special Interest	ODI S/N 0.56 10TH TSP +25.50
		01/92	C/L Special Interest	ODI S/N 0.60 10TH TSP +24.48
		01/92	C/L Special Interest	ODI S/N 0.42 17TH TSP +0.65
7	13	01/92	C/L Special Interest	ODI S/N 0.24 9TH TSP +15.80
7	74	01/92	C/L Special Interest	ODI S/N 0.26 9TH TSP +26.49
		01/92	C/L Special Interest	ODI S/N 0.27 9TH TSP +23.57
		01/92	C/L Special Interest	ODI S/N 0.49 11TH TSP +17.62
8	5	01/92	C/L Special Interest	ODI S/N 0.68 6TH TSP +34.70
8	6	01/92	H/L Special Interest	ODI S/N 0.73 6TH TSP +27.57
		01/92	H/L Special Interest	ODI S/N 0.13 11TH TSP -0.10
8	7	01/92	C/L Special Interest	ODI S/N 0.82 6TH TSP -4.01
8	9	01/92	H/L Special Interest	ODI S/N 0.30 11TH TSP +10.53
8	21	01/92	C/L Special Interest	ODI S/N 0.48 11TH TSP +7.85
8	22	01/92	C/L Special Interest	ODI S/N 0.80 12TH TSP +15.37
		01/92	C/L Special Interest	ODI S/N 0.58 5TH TSP +22.86
8	29	01/92	H/L Special Interest	ODI S/N 0.31 3RD TSP +20.52
8	69	01/92	H/L Special Interest	ODI S/N 0.50 6TH TSP +15.62
8	75	01/92	H/L Special Interest	ODI S/N 0.42 12TH TSP +19.96
9	20	01/92	C/L Special Interest	ODI S/N 0.37 2ND TSP +16.50
9	31	01/92	H/L Special Interest	ODI S/N 0.79 TTS-CL +20.57
9	35	01/92	C/L Special Interest	ODI S/N 0.60 TTS-HL +3.06
9	42	01/92	H/L Special Interest	ODI S/N 1.72 6TH TSP +36.45
9	51	01/92	H/L Special Interest	ODI S/N 0.60 2ND TSP +5.53
9	73	01/92	H/L Special Interest	ODI S/N 1.13 9TH TSP -9.18
9	77	01/92	C/L Special Interest	ODI S/N 1.63 6TH TSP +29.37
10	4	01/92	H/L Special Interest	ODI S/N 1.36 17TH TSP +19.77
		01/92	C/L Special Interest	ODI S/N 0.49 13TH TSP +5.04
10	11	01/92	C/L Special Interest	ODI S/N 0.75 13TH TSP +7.09
		01/92	C/L Special Interest	ODI S/N 0.21 17TH TSP +7.57
10	26	01/92	C/L Special Interest	ODI S/N 0.59 1ST TSP +22.57
10	71	01/92	H/L Special Interest	ODI S/N 0.31 8TH TSP -13.34
10	73	01/92	C/L Special Interest	ODI S/N 0.61 2ND TSP +26.53
10	95	01/92	H/L Special Interest	ODI S/N 0.19 15TH TSP +6.65
11	8	01/92	C/L Special Interest	ODI S/N 0.41 3RD TSP +10.29
11	10	01/92	H/L Special Interest	ODI S/N 0.74 3RD TSP +11.90
		01/92	H/L Special Interest	ODI S/N 0.45 11TH TSP +11.01
11	17	01/92	C/L Special Interest	ODI S/N 0.28 12TH TSP +10.03
12	9	01/92	C/L Special Interest	ODI S/N 0.41 17TH TSP +15.77
12	39	01/92	C/L Special Interest	ODI S/N 0.35 3RD TSP +30.06
12	65	01/92	H/L Special Interest	ODI S/N 0.36 6TH TSP +6.05
12	76	01/92	H/L Special Interest	ODI S/N 0.90 6TH TSP +11.94
		01/92	H/L Special Interest	ODI S/N 0.55 5TH TSP -6.63
12	79	01/92	H/L Special Interest	ODI S/N 0.15 10TH TSP +19.03
13	3	01/92	C/L Special Interest	ODI S/N 0.29 10TH TSP +22.17
		01/92	C/L Special Interest	

FTI TUBAN II (Version 2.3) 02/28/2000 11:02:50
 McGuire Nuclear Station - Unit One
 S/G C
 01/92 LKR
 Bobbin,C/L Special Interest,H/L Special Interest

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
13	39	01/92	H/L	Special Interest	ODI	S/N	0.25	2ND TSP	+14.75
14	13	01/92	H/L	Special Interest	ODI	S/N	0.35	6TH TSP	+19.98
		01/92	H/L	Special Interest	ODI	S/N	0.35	6TH TSP	+28.93
		01/92	H/L	Special Interest	ODI	S/N	0.37	6TH TSP	+6.58
		01/92	H/L	Special Interest	ODI	S/N	0.53	6TH TSP	+13.22
		01/92	H/L	Special Interest	ODI	S/N	0.70	6TH TSP	+35.45
14	24	01/92	C/L	Special Interest	ODI	S/N	0.34	10TH TSP	+41.03
14	69	01/92	H/L	Special Interest	ODI	S/N	0.65	6TH TSP	+37.64
14	84	01/92	H/L	Special Interest	ODI	S/N	1.14	3RD TSP	+5.49
14	102	01/92	H/L	Special Interest	ODI	S/N	0.55	3RD TSP	-9.97
15	4	01/92	C/L	Special Interest	ODI	S/N	0.33	9TH TSP	+10.09
15	11	01/92	C/L	Special Interest	ODI	S/N	0.56	12TH TSP	+7.54
15	20	01/92	H/L	Special Interest	ODI	S/N	0.13	6TH TSP	+26.30
15	38	01/92	H/L	Special Interest	ODI	S/N	1.30	3RD TSP	+36.39
15	62	01/92	H/L	Special Interest	ODI	S/N	0.63	6TH TSP	+15.01
		01/92	C/L	Special Interest	ODI	S/N	0.48	11TH TSP	+7.51
		01/92	C/L	Special Interest	ODI	S/N	0.68	12TH TSP	+6.15
15	79	01/92	C/L	Special Interest	ODI	S/N	0.32	10TH TSP	-13.79
15	80	01/92	C/L	Special Interest	ODI	S/N	0.58	9TH TSP	+18.52
16	11	01/92	C/L	Special Interest	ODI	S/N	0.38	11TH TSP	+27.98
16	13	01/92	C/L	Special Interest	ODI	S/N	0.30	11TH TSP	+24.33
16	48	01/92	H/L	Special Interest	ODI	S/N	0.79	TTS-HL	+11.69
16	56	01/92	C/L	Special Interest	ODI	S/N	0.30	18TH TSP	+3.25
17	8	01/92	C/L	Special Interest	ODI	S/N	0.72	10TH TSP	+9.58
17	10	01/92	C/L	Special Interest	ODI	S/N	0.38	11TH TSP	+21.95
		01/92	C/L	Special Interest	ODI	S/N	0.47	11TH TSP	+15.27
17	21	01/92	C/L	Special Interest	ODI	S/N	0.51	9TH TSP	+26.11
		01/92	H/L	Special Interest	ODI	S/N	0.33	4TH TSP	+38.47
17	72	01/92	C/L	Special Interest	ODI	S/N	0.52	9TH TSP	+27.89
17	111	01/92	H/L	Special Interest	ODI	S/N	0.35	6TH TSP	+34.26
		01/92	H/L	Special Interest	ODI	S/N	0.86	6TH TSP	+37.08
18	27	01/92	H/L	Special Interest	ODI	S/N	0.65	6TH TSP	+33.09
18	77	01/92	H/L	Special Interest	ODI	S/N	0.11	2ND TSP	+11.66
		01/92	C/L	Special Interest	ODI	S/N	0.62	10TH TSP	+17.30
18	78	01/92	C/L	Special Interest	ODI	S/N	0.51	9TH TSP	-11.30
18	88	01/92	C/L	Special Interest	ODI	S/N	0.54	17TH TSP	+15.71
18	110	01/92	H/L	Special Interest	ODI	S/N	0.46	2ND TSP	+33.77
19	46	01/92	C/L	Special Interest	ODI	S/N	0.17	10TH TSP	+18.10
		01/92	C/L	Special Interest	ODI	S/N	0.35	10TH TSP	+16.02
19	95	01/92	C/L	Special Interest	ODI	S/N	0.22	10TH TSP	+13.96
20	107	01/92	H/L	Special Interest	ODI	S/N	0.43	4TH TSP	+36.78
21	7	01/92	C/L	Special Interest	ODI	S/N	0.44	12TH TSP	+18.81
21	8	01/92	C/L	Special Interest	ODI	S/N	0.28	12TH TSP	+19.36
21	65	01/92	C/L	Special Interest	ODI	S/N	0.24	17TH TSP	+6.39
21	75	01/92	H/L	Special Interest	ODI	S/N	0.17	1ST TSP	+13.85
22	9	01/92	H/L	Special Interest	ODI	S/N	1.21	5TH TSP	+38.69
22	16	01/92	H/L	Special Interest	ODI	S/N	0.75	5TH TSP	+34.72
		01/92	C/L	Special Interest	ODI	S/N	0.47	11TH TSP	+37.17
22	18	01/92	H/L	Special Interest	ODI	S/N	0.54	2ND TSP	+19.36
22	21	01/92	C/L	Special Interest	ODI	S/N	0.13	17TH TSP	+19.57
22	43	01/92	H/L	Special Interest	ODI	S/N	0.44	3RD TSP	+34.50
23	10	01/92	H/L	Special Interest	ODI	S/N	0.61	6TH TSP	+35.31
23	83	01/92	H/L	Special Interest	ODI	S/N	0.19	3RD TSP	+19.53
24	91	01/92	C/L	Special Interest	ODI	S/N	0.59	9TH TSP	+19.97
25	44	01/92	C/L	Special Interest	ODI	S/N	0.31	11TH TSP	+31.44
25	48	01/92	H/L	Special Interest	ODI	S/N	0.44	3RD TSP	+12.11
		01/92	C/L	Special Interest	ODI	S/N	0.54	16TH TSP	+6.15
26	14	01/92	C/L	Special Interest	ODI	S/N	0.60	TTS-CL	+15.49
26	74	01/92	H/L	Special Interest	ODI	S/N	0.29	2ND TSP	+25.72
26	86	01/92	C/L	Special Interest	ODI	S/N	0.37	12TH TSP	+10.66
26	89	01/92	H/L	Special Interest	ODI	S/N	0.74	2ND TSP	+29.26
		01/92	H/L	Special Interest	ODI	S/N	0.79	2ND TSP	+36.78
27	21	01/92	C/L	Special Interest	ODI	S/N	0.28	TTS-CL	+20.80
27	29	01/92	H/L	Special Interest	ODI	S/N	0.57	4TH TSP	+19.98
27	51	01/92	C/L	Special Interest	ODI	S/N	0.32	12TH TSP	+17.57

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
27	56	01/92	C/L	Special Interest	ODI	S/N	0.17	17TH TSP	+10.01
27	58	01/92	C/L	Special Interest	ODI	S/N	0.90	12TH TSP	+14.66
27	97	01/92	H/L	Special Interest	ODI	S/N	0.15	1ST TSP	-0.06
28	21	01/92	C/L	Special Interest	ODI	S/N	0.32	TTS-CL	+19.23
28	31	01/92	C/L	Special Interest	ODI	S/N	0.56	11TH TSP	+19.21
28	41	01/92	H/L	Special Interest	ODI	S/N	0.59	TTS-HL	+19.08
28	73	01/92	C/L	Special Interest	ODI	S/N	0.86	8TH TSP	-7.46
29	20	01/92	C/L	Special Interest	ODI	S/N	0.30	11TH TSP	+5.92
29	35	01/92	C/L	Special Interest	ODI	S/N	0.36	9TH TSP	+5.46
30	42	01/92	C/L	Special Interest	ODI	S/N	0.20	10TH TSP	+8.12
30	69	01/92	H/L	Special Interest	ODI	S/N	0.36	2ND TSP	+34.36
30	75	01/92	C/L	Special Interest	ODI	S/N	0.51	9TH TSP	+7.93
31	32	01/92	C/L	Special Interest	ODI	S/N	1.17	10TH TSP	-1.42
31	33	01/92	H/L	Special Interest	ODI	S/N	3.02	1ST TSP	+12.91
31	41	01/92	C/L	Special Interest	ODI	S/N	0.38	11TH TSP	+36.39
32	56	01/92	C/L	Special Interest	ODI	S/N	0.44	10TH TSP	+25.68
		01/92	C/L	Special Interest	ODI	S/N	0.53	10TH TSP	+28.27
32	66	01/92	H/L	Special Interest	ODI	S/N	0.17	1ST TSP	+0.08
32	74	01/92	C/L	Special Interest	ODI	S/N	0.58	17TH TSP	+9.28
33	84	01/92	C/L	Special Interest	ODI	S/N	0.85	10TH TSP	+36.52
33	97	01/92	H/L	Special Interest	ODI	S/N	0.42	2ND TSP	+17.46
34	30	01/92	H/L	Special Interest	ODI	S/N	0.24	3RD TSP	+23.25
34	90	01/92	H/L	Special Interest	ODI	S/N	0.39	6TH TSP	+37.37
35	19	01/92	H/L	Special Interest	ODI	S/N	0.28	TTS-HL	+23.11
37	93	01/92	C/L	Special Interest	ODI	S/N	0.51	12TH TSP	+13.36
38	42	01/92	C/L	Special Interest	ODI	S/N	0.29	11TH TSP	+18.79
		01/92	C/L	Special Interest	ODI	S/N	0.30	11TH TSP	+23.04
38	67	01/92	C/L	Special Interest	ODI	S/N	0.30	10TH TSP	+23.47
38	95	01/92	C/L	Special Interest	ODI	S/N	0.54	12TH TSP	+19.30
39	69	01/92	H/L	Special Interest	ODI	S/N	0.75	1ST TSP	+12.73
39	84	01/92	H/L	Special Interest	ODI	S/N	0.78	6TH TSP	+21.97
41	52	01/92	C/L	Special Interest	ODI	S/N	0.40	9TH TSP	+28.81
41	62	01/92	C/L	Special Interest	ODI	S/N	0.26	10TH TSP	+31.52
42	33	01/92	H/L	Special Interest	ODI	S/N	0.35	4TH TSP	+25.70
42	51	01/92	C/L	Special Interest	ODI	S/N	0.07	9TH TSP	+20.02
42	55	01/92	C/L	Special Interest	ODI	S/N	0.39	11TH TSP	+23.30
42	59	01/92	H/L	Special Interest	ODI	S/N	0.39	1ST TSP	+12.11
42	84	01/92	H/L	Special Interest	ODI	S/N	0.27	5TH TSP	+34.67
		01/92	H/L	Special Interest	ODI	S/N	0.42	5TH TSP	+24.19
42	88	01/92	C/L	Special Interest	ODI	S/N	0.33	10TH TSP	+12.70
42	92	01/92	H/L	Special Interest	ODI	S/N	0.63	4TH TSP	+13.61
43	40	01/92	Bobbin		ADS		2.89	3RD TSP	+18.99
43	56	01/92	Bobbin		ADS		2.91	4TH TSP	+12.43
43	82	01/92	H/L	Special Interest	ODI	S/N	0.40	1ST TSP	+19.64
44	56	01/92	Bobbin		ADS		1.03	5TH TSP	+8.69
		01/92	Bobbin		ADS		1.60	19TH TSP	+13.08
44	57	01/92	Bobbin		ADS		1.45	3RD TSP	+13.31
44	59	01/92	C/L	Special Interest	ODI	S/N	0.41	11TH TSP	+18.02
44	60	01/92	H/L	Special Interest	ODI	S/N	0.14	TTS-HL	+9.40
44	66	01/92	C/L	Special Interest	ODI	S/N	0.35	9TH TSP	-4.67
		01/92	C/L	Special Interest	ODI	S/N	0.53	9TH TSP	-2.99
		01/92	C/L	Special Interest	ODI	S/N	0.66	9TH TSP	-6.59
		01/92	C/L	Special Interest	ODI	S/N	0.30	10TH TSP	+39.51
		01/92	C/L	Special Interest	ODI	S/N	0.57	10TH TSP	+37.49
		01/92	C/L	Special Interest	ODI	S/N	0.63	10TH TSP	+41.35
46	27	01/92	C/L	Special Interest	ODI	S/N	0.20	12TH TSP	+2.52
46	86	01/92	H/L	Special Interest	ODI	S/N	0.65	4TH TSP	+29.91
47	28	01/92	C/L	Special Interest	ODI	S/N	0.42	10TH TSP	+8.61
47	39	01/92	C/L	Special Interest	ODI	S/N	0.74	TTS-CL	+5.03
47	65	01/92	C/L	Special Interest	ODI	S/N	0.33	10TH TSP	+5.25
47	69	01/92	C/L	Special Interest	ODI	S/N	0.36	17TH TSP	+17.94
48	41	01/92	C/L	Special Interest	ODI	S/N	0.42	17TH TSP	+15.19
48	50	01/92	H/L	Special Interest	ODI	S/N	0.28	6TH TSP	+18.30
48	55	01/92	C/L	Special Interest	ODI	S/N	0.50	11TH TSP	+14.50
48	60	01/92	H/L	Special Interest	ODI	S/N	0.39	6TH TSP	+13.74

FTI TUBAN II (Version 2.3) 02/28/2000 11:02:50
McGuire Nuclear Station - Unit One
S/G C
01/92 LKR
Bobbin, C/L Special Interest, H/L Special Interest

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
		01/92	H/L	Special Interest	ODI	S/N	0.43	6TH TSP	+13.87
48	70	01/92	C/L	Special Interest	ODI	S/N	0.90	18TH TSP	+4.84
48	74	01/92	H/L	Special Interest	ODI	S/N	0.39	6TH TSP	+9.06
48	79	01/92	C/L	Special Interest	ODI	S/N	0.54	14TH TSP	+10.29
49	34	01/92	C/L	Special Interest	ODI	S/N	0.20	TTS-CL	+21.29
49	66	01/92	H/L	Special Interest	ODI	S/N	0.16	5TH TSP	-7.88
		01/92	H/L	Special Interest	ODI	S/N	1.07	3RD TSP	+9.53
		01/92	C/L	Special Interest	ODI	S/N	0.09	11TH TSP	+15.18

Total Indications Found = 203
Total Tubes Found = 163

Bobbin,C/L Special Interest,H/L Special Interest,SLV/X-Wound Bobbin

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
2	22	01/92	H/L	Special Interest	ODI	S/N	0.48	1ST TSP	+15.89
2	25	01/92	H/L	Special Interest	ODI	S/N	1.45	6TH TSP	+24.14
2	32	01/92	H/L	Special Interest	ODI	S/N	0.43	6TH TSP	+19.89
		01/92	H/L	Special Interest	ODI	S/N	1.01	6TH TSP	+19.96
		01/92	H/L	Special Interest	ODI	S/N	1.25	6TH TSP	+19.78
		01/92	H/L	Special Interest	ODI	S/N	1.86	6TH TSP	+20.03
2	70	01/92	H/L	Special Interest	ODI	S/N	0.30	1ST TSP	-1.78
2	107	01/92	H/L	Special Interest	ODI	S/N	2.71	5TH TSP	+17.23
3	1	01/92	H/L	Special Interest	ODI	S/N	0.29	4TH TSP	+30.88
		01/92	H/L	Special Interest	ODI	S/N	0.60	4TH TSP	+26.61
		01/92	H/L	Special Interest	ODI	S/N	1.23	4TH TSP	+30.17
		01/92	H/L	Special Interest	ODI	S/N	2.19	4TH TSP	+25.88
3	46	01/92	C/L	Special Interest	ODI	S/N	0.66	11TH TSP	+9.67
4	71	01/92	H/L	Special Interest	ODI	S/N	0.28	7TH TSP	-15.28
		01/92	H/L	Special Interest	ODI	S/N	0.42	6TH TSP	+12.96
		01/92	H/L	Special Interest	ODI	S/N	0.52	6TH TSP	+15.46
		01/92	H/L	Special Interest	ODI	S/N	0.53	7TH TSP	-13.94
		01/92	H/L	Special Interest	ODI	S/N	0.60	7TH TSP	-12.44
		01/92	H/L	Special Interest	ODI	S/N	0.88	6TH TSP	+23.17
		01/92	H/L	Special Interest	ODI	S/N	1.27	7TH TSP	-17.51
5	14	01/92	H/L	Special Interest	ODI	S/N	1.87	2ND TSP	+6.11
5	39	01/92	H/L	Special Interest	ODI	S/N	0.21	TTS-HL	+10.58
		01/92	H/L	Special Interest	ODI	S/N	0.28	TTS-HL	+12.08
		01/92	H/L	Special Interest	ODI	S/N	0.55	6TH TSP	+23.56
5	81	01/92	C/L	Special Interest	ODI	S/N	0.73	TTS-CL	+9.90
5	86	01/92	C/L	Special Interest	ODI	S/N	0.32	10TH TSP	+4.17
		01/92	C/L	Special Interest	ODI	S/N	0.35	10TH TSP	+5.02
6	24	01/92	C/L	Special Interest	ODI	S/N	0.32	13TH TSP	+4.34
7	69	01/92	H/L	Special Interest	ODI	S/N	3.01	3RD TSP	+16.12
8	99	01/92	H/L	Special Interest	ODI	S/N	2.41	3RD TSP	+10.43
8	104	01/92	C/L	Special Interest	ODI	S/N	0.35	11TH TSP	+18.12
9	63	01/92	H/L	Special Interest	ODI	S/N	0.19	4TH TSP	-20.99
		01/92	H/L	Special Interest	ODI	S/N	0.25	4TH TSP	-4.95
		01/92	H/L	Special Interest	ODI	S/N	0.27	4TH TSP	-6.39
		01/92	H/L	Special Interest	ODI	S/N	0.29	4TH TSP	-24.54
		01/92	H/L	Special Interest	ODI	S/N	0.29	4TH TSP	-25.29
		01/92	H/L	Special Interest	ODI	S/N	0.31	4TH TSP	-18.03
		01/92	H/L	Special Interest	ODI	S/N	0.31	4TH TSP	-28.16
		01/92	H/L	Special Interest	ODI	S/N	0.31	4TH TSP	-42.46
		01/92	H/L	Special Interest	ODI	S/N	0.32	4TH TSP	-35.31
		01/92	H/L	Special Interest	ODI	S/N	0.33	4TH TSP	-13.60
		01/92	H/L	Special Interest	ODI	S/N	0.35	4TH TSP	-38.26
		01/92	H/L	Special Interest	ODI	S/N	0.37	4TH TSP	-12.16
		01/92	H/L	Special Interest	ODI	S/N	0.37	4TH TSP	-16.54
		01/92	H/L	Special Interest	ODI	S/N	0.38	4TH TSP	-23.82
		01/92	H/L	Special Interest	ODI	S/N	0.39	4TH TSP	-33.90
		01/92	H/L	Special Interest	ODI	S/N	0.53	4TH TSP	-40.40
11	99	01/92	H/L	Special Interest	ODI	S/N	1.60	3RD TSP	+4.89
		01/92	H/L	Special Interest	ODI	S/N	1.81	3RD TSP	+9.50
12	4	01/92	H/L	Special Interest	ODI	S/N	1.26	2ND TSP	+17.67
		01/92	H/L	Special Interest	ODI	S/N	1.83	2ND TSP	+17.34
12	22	01/92	H/L	Special Interest	ODI	S/N	1.44	5TH TSP	+42.22
12	65	01/92	H/L	Special Interest	ODI	S/N	2.22	TTS-HL	+26.04
		01/92	C/L	Special Interest	ODI	S/N	0.58	9TH TSP	+21.93
12	78	01/92	H/L	Special Interest	ODI	S/N	0.53	5TH TSP	+15.79
12	83	01/92	H/L	Special Interest	ODI	S/N	1.43	2ND TSP	+15.06
12	90	01/92	H/L	Special Interest	ODI	S/N	1.26	4TH TSP	+40.56
		01/92	H/L	Special Interest	ODI	S/N	1.74	4TH TSP	+17.55
		01/92	H/L	Special Interest	ODI	S/N	1.85	4TH TSP	+16.03
		01/92	H/L	Special Interest	ODI	S/N	1.86	4TH TSP	+31.92
		01/92	H/L	Special Interest	ODI	S/N	1.96	4TH TSP	+18.32
		01/92	H/L	Special Interest	ODI	S/N	2.16	4TH TSP	+37.61
		01/92	H/L	Special Interest	ODI	S/N	2.81	4TH TSP	+15.33
		01/92	H/L	Special Interest	ODI	S/N	2.87	4TH TSP	+35.17
		01/92	H/L	Special Interest	ODI	S/N	3.45	4TH TSP	+13.86

S/G D
 01/92 LKR
 Bobbin,C/L Special Interest,H/L Special Interest,SLV/X-Wound Bobbin

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
12	96	01/92	H/L	Special Interest	ODI	S/N	0.49	8TH TSP	-18.44
13	11	01/92	C/L	Special Interest	ODI	S/N	0.67	9TH TSP	+5.49
13	30	01/92	C/L	Special Interest	ODI	S/N	0.67	20TH TSP	-0.99
13	75	01/92	H/L	Special Interest	ODI	S/N	0.77	4TH TSP	+32.94
		01/92	H/L	Special Interest	ODI	S/N	2.11	2ND TSP	+34.54
13	106	01/92	H/L	Special Interest	ODI	S/N	0.47	3RD TSP	+7.93
14	41	01/92	C/L	Special Interest	ODI	S/N	0.70	14TH TSP	+9.52
14	43	01/92	C/L	Special Interest	ODI	S/N	5.28	9TH TSP	+21.97
15	22	01/92	H/L	Special Interest	ODI	S/N	0.64	TTS-HL	+2.66
		01/92	H/L	Special Interest	ODI	S/N	0.94	TTS-HL	+12.11
16	9	01/92	H/L	Special Interest	ODI	S/N	1.84	6TH TSP	+30.04
		01/92	H/L	Special Interest	ODI	S/N	2.65	6TH TSP	+15.92
16	11	01/92	C/L	Special Interest	ODI	S/N	1.04	17TH TSP	+14.60
16	29	01/92	C/L	Special Interest	ODI	S/N	0.14	11TH TSP	+20.99
16	32	01/92	C/L	Special Interest	ODI	S/N	0.35	19TH TSP	+4.45
16	33	01/92	H/L	Special Interest	ODI	S/N	0.33	6TH TSP	+14.17
		01/92	H/L	Special Interest	ODI	S/N	0.47	6TH TSP	+21.15
		01/92	H/L	Special Interest	ODI	S/N	0.53	6TH TSP	+33.78
		01/92	H/L	Special Interest	ODI	S/N	0.75	6TH TSP	+23.99
16	58	01/92	H/L	Special Interest	ODI	S/N	6.04	4TH TSP	+18.90
16	85	01/92	H/L	Special Interest	ODI	S/N	2.55	3RD TSP	+33.52
16	110	01/92	C/L	Special Interest	ODI	S/N	1.99	9TH TSP	+37.67
17	41	01/92	H/L	Special Interest	ODI	S/N	0.50	4TH TSP	+28.08
17	42	01/92	C/L	Special Interest	ODI	S/N	0.63	8TH TSP	-2.81
		01/92	C/L	Special Interest	ODI	S/N	0.31	17TH TSP	+11.89
18	87	01/92	H/L	Special Interest	ODI	S/N	2.23	5TH TSP	+4.27
19	11	01/92	H/L	Special Interest	ODI	S/N	0.51	5TH TSP	+18.73
		01/92	H/L	Special Interest	ODI	S/N	0.60	5TH TSP	+16.22
		01/92	H/L	Special Interest	ODI	S/N	0.78	5TH TSP	+19.90
		01/92	H/L	Special Interest	ODI	S/N	0.82	5TH TSP	+17.52
		01/92	H/L	Special Interest	ODI	S/N	1.08	5TH TSP	+22.75
		01/92	H/L	Special Interest	ODI	S/N	1.10	5TH TSP	+2.27
19	20	01/92	H/L	Special Interest	ODI	S/N	1.48	5TH TSP	+25.05
19	30	01/92	C/L	Special Interest	ODI	S/N	0.44	12TH TSP	+8.57
19	32	01/92	C/L	Special Interest	ODI	S/N	0.18	14TH TSP	+3.62
		01/92	C/L	Special Interest	ODI	S/N	0.45	14TH TSP	+4.75
		01/92	C/L	Special Interest	ODI	S/N	2.35	14TH TSP	-0.28
		01/92	C/L	Special Interest	ODI	S/N	4.38	14TH TSP	+4.57
19	36	01/92	H/L	Special Interest	ODI	S/N	0.80	6TH TSP	+32.16
19	86	01/92	C/L	Special Interest	ODI	S/N	1.17	11TH TSP	+13.25
19	108	01/92	C/L	Special Interest	ODI	S/N	1.65	TTS-CL	+13.46
		01/92	C/L	Special Interest	ODI	S/N	1.73	TTS-CL	+14.33
20	5	01/92	H/L	Special Interest	ODI	S/N	0.62	7TH TSP	+60.79
20	26	01/92	H/L	Special Interest	ODI	S/N	4.09	5TH TSP	+19.56
		01/92	C/L	Special Interest	ODI	S/N	0.46	10TH TSP	+7.93
20	30	01/92	C/L	Special Interest	ODI	S/N	0.43	12TH TSP	+6.83
20	66	01/92	H/L	Special Interest	ODI	S/N	0.70	1ST TSP	+15.16
20	74	01/92	H/L	Special Interest	ODI	S/N	1.91	TTS-HL	+8.68
		01/92	H/L	Special Interest	ODI	S/N	2.33	TTS-HL	+27.34
		01/92	H/L	Special Interest	ODI	S/N	2.35	TTS-HL	+7.64
		01/92	H/L	Special Interest	ODI	S/N	0.87	2ND TSP	+26.06
		01/92	H/L	Special Interest	ODI	S/N	1.16	2ND TSP	+20.75
		01/92	H/L	Special Interest	ODI	S/N	2.05	2ND TSP	+23.77
		01/92	H/L	Special Interest	ODI	S/N	2.58	2ND TSP	+3.41
		01/92	H/L	Special Interest	ODI	S/N	3.30	1ST TSP	+14.27
20	87	01/92	H/L	Special Interest	ODI	S/N	0.20	6TH TSP	+32.88
		01/92	H/L	Special Interest	ODI	S/N	0.26	4TH TSP	+20.16
		01/92	H/L	Special Interest	ODI	S/N	0.31	4TH TSP	+20.51
		01/92	H/L	Special Interest	ODI	S/N	0.33	4TH TSP	+24.72
		01/92	H/L	Special Interest	ODI	S/N	0.55	4TH TSP	+16.78
		01/92	H/L	Special Interest	ODI	S/N	1.30	6TH TSP	+32.70
20	106	01/92	C/L	Special Interest	ODI	S/N	0.84	12TH TSP	+2.04
21	23	01/92	H/L	Special Interest	ODI	S/N	2.85	6TH TSP	+37.59
		01/92	C/L	Special Interest	ODI	S/N	0.42	11TH TSP	-5.67
21	87	01/92	C/L	Special Interest	ODI	S/N	0.49	18TH TSP	+1.68

Bobbin,C/L Special Interest,H/L Special Interest,SLV/X-Wound Bobbin

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE

IND	%TW	VOLTS	LOCATION	
22	27	01/92	C/L Special Interest	ODI S/N 0.57 13TH TSP +4.21
22	60	01/92	H/L Special Interest	ODI S/N 0.50 5TH TSP +18.99
22	83	01/92	H/L Special Interest	ODI S/N 2.09 7TH TSP +9.40
23	21	01/92	C/L Special Interest	ODI S/N 0.23 TTS-CL +24.15
		01/92	C/L Special Interest	ODI S/N 0.28 20TH TSP -4.61
23	35	01/92	C/L Special Interest	ODI S/N 0.27 11TH TSP +3.84
		01/92	C/L Special Interest	ODI S/N 0.29 11TH TSP +7.78
		01/92	C/L Special Interest	ODI S/N 0.38 11TH TSP +6.12
24	29	01/92	C/L Special Interest	ODI S/N 0.00 9TH TSP +19.50
24	89	01/92	H/L Special Interest	ODI S/N 0.52 5TH TSP +35.41
		01/92	H/L Special Interest	ODI S/N 0.56 5TH TSP +35.28
25	10	01/92	C/L Special Interest	ODI S/N 0.25 11TH TSP +14.01
25	47	01/92	H/L Special Interest	PRM 1.42 4TH TSP +0.59
		01/92	H/L Special Interest	ODI S/N 0.31 4TH TSP +26.84
		01/92	H/L Special Interest	ODI S/N 0.41 4TH TSP +26.13
		01/92	H/L Special Interest	ODI S/N 0.44 4TH TSP +33.77
		01/92	H/L Special Interest	ODI S/N 0.65 4TH TSP +29.49
26	20	01/92	H/L Special Interest	ODI S/N 0.79 3AVB +16.44
26	21	01/92	H/L Special Interest	ODI S/N 0.46 TTS-HL +6.43
26	28	01/92	C/L Special Interest	ODI S/N 1.52 9TH TSP +37.96
26	30	01/92	C/L Special Interest	ODI S/N 0.60 11TH TSP +27.30
26	35	01/92	C/L Special Interest	ODI S/N 0.00 11TH TSP +15.97
		01/92	C/L Special Interest	ODI S/N 0.00 15TH TSP +9.62
		01/92	C/L Special Interest	ODI S/N 0.26 11TH TSP +15.14
		01/92	C/L Special Interest	ODI S/N 0.67 15TH TSP +9.11
26	49	01/92	H/L Special Interest	ODI S/N 0.50 5TH TSP +32.52
26	59	01/92	H/L Special Interest	ODI S/N 0.83 6TH TSP +6.81
27	55	01/92	C/L Special Interest	ODI S/N 0.54 11TH TSP +28.56
27	98	01/92	C/L Special Interest	ODI S/N 0.53 16TH TSP +7.76
28	9	01/92	Bobbin	ODI S/N 0.35 TTS-HL +3.86
28	43	01/92	C/L Special Interest	ODI S/N 0.46 TTS-CL +12.26
		01/92	C/L Special Interest	ODI S/N 0.80 TTS-CL +12.40
		01/92	C/L Special Interest	ODI S/N 1.19 TTS-CL +12.24
28	57	01/92	C/L Special Interest	ODI S/N 0.63 11TH TSP +24.65
		01/92	C/L Special Interest	ODI S/N 0.94 11TH TSP +24.04
		01/92	C/L Special Interest	ODI S/N 0.98 11TH TSP +26.17
28	99	01/92	H/L Special Interest	ODI S/N 0.95 TTS-HL +13.21
29	66	01/92	C/L Special Interest	ODI S/N 0.58 10TH TSP +3.87
		01/92	C/L Special Interest	ODI S/N 0.80 10TH TSP +9.60
29	100	01/92	H/L Special Interest	ODI S/N 0.34 3RD TSP +20.45
30	11	01/92	C/L Special Interest	ODI S/N 0.46 10TH TSP +16.37
30	14	01/92	C/L Special Interest	ODI S/N 0.40 11TH TSP +5.60
30	90	01/92	H/L Special Interest	ODI S/N 0.97 2ND TSP +41.38
31	46	01/92	C/L Special Interest	ODI S/N 1.05 9TH TSP +31.25
31	86	01/92	H/L Special Interest	ODI S/N 0.26 2ND TSP +15.76
32	26	01/92	C/L Special Interest	ODI S/N 4.97 TTS-CL +20.01
32	59	01/92	C/L Special Interest	ODI S/N 0.26 12TH TSP +18.50
		01/92	C/L Special Interest	ODI S/N 0.34 10TH TSP +20.31
		01/92	C/L Special Interest	ODI S/N 0.39 10TH TSP +23.61
		01/92	C/L Special Interest	ODI S/N 0.49 11TH TSP +2.26
		01/92	C/L Special Interest	ODI S/N 0.89 11TH TSP +5.00
32	68	01/92	C/L Special Interest	ODI S/N 0.62 17TH TSP +2.09
		01/92	C/L Special Interest	ODI S/N 0.64 17TH TSP +2.32
		01/92	C/L Special Interest	ODI S/N 0.87 17TH TSP +2.23
32	88	01/92	H/L Special Interest	ODI S/N 0.17 2ND TSP +33.19
		01/92	H/L Special Interest	ODI S/N 0.26 2ND TSP +30.69
		01/92	H/L Special Interest	ODI S/N 0.54 1ST TSP +4.98
		01/92	H/L Special Interest	ODI S/N 0.81 1ST TSP +3.89
32	100	01/92	H/L Special Interest	ODI S/N 0.40 4TH TSP +34.52
		01/92	H/L Special Interest	ODI S/N 0.63 4TH TSP +11.66
33	27	01/92	C/L Special Interest	ODI S/N 0.41 11TH TSP +9.37
33	42	01/92	Bobbin	ODI S/N 0.49 1ST TSP +0.06
34	84	01/92	C/L Special Interest	ODI S/N 0.40 16TH TSP +5.08
34	89	01/92	H/L Special Interest	ODI S/N 0.80 2ND TSP -0.06
35	18	01/92	C/L Special Interest	ODI S/N 0.60 TTS-CL +11.96

FTI TUBAN II (Version 2.3) 02/28/2000 11:04:20
McGuire Nuclear Station - Unit One
S/G D
01/92 LKR
Bobbin,C/L Special Interest,H/L Special Interest,SLV/X-Wound Bobbin

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		01/92	C/L Special Interest	ODI S/N	0.68		15TH TSP	+9.53
35	56	01/92	C/L Special Interest	ODI S/N	0.47		10TH TSP	+35.63
35	61	01/92	C/L Special Interest	ODI S/N	0.18		12TH TSP	+17.30
		01/92	C/L Special Interest	ODI S/N	0.24		11TH TSP	-6.24
		01/92	C/L Special Interest	ODI S/N	0.38		11TH TSP	-15.29
		01/92	C/L Special Interest	ODI S/N	0.38		12TH TSP	+16.29
		01/92	C/L Special Interest	ODI S/N	0.65		11TH TSP	+2.52
		01/92	C/L Special Interest	ODI S/N	0.65		12TH TSP	+6.67
		01/92	C/L Special Interest	ODI S/N	0.95		12TH TSP	+6.96
		01/92	C/L Special Interest	ODI S/N	0.97		12TH TSP	+16.00
		01/92	C/L Special Interest	ODI S/N	1.17		11TH TSP	+2.43
35	98	01/92	C/L Special Interest	ODI S/N	0.94		11TH TSP	+4.63
36	16	01/92	H/L Special Interest	ODI S/N	0.86		5TH TSP	+32.72
		01/92	H/L Special Interest	ODI S/N	1.05		6TH TSP	-7.44
36	89	01/92	H/L Special Interest	ODI S/N	1.20		4TH TSP	+4.86
36	90	01/92	H/L Special Interest	ODI S/N	0.61		2ND TSP	+20.33
37	31	01/92	C/L Special Interest	ODI S/N	0.35		17TH TSP	+6.46
37	32	01/92	Bobbin	ODI S/N	0.23		3RD TSP	-0.07
37	36	01/92	H/L Special Interest	ODI S/N	0.78		5TH TSP	+27.33
37	40	01/92	C/L Special Interest	ODI S/N	0.38		12TH TSP	+6.49
		01/92	C/L Special Interest	ODI S/N	0.60		12TH TSP	+6.91
37	79	01/92	C/L Special Interest	ODI S/N	0.45		11TH TSP	+12.02
38	51	01/92	C/L Special Interest	ODI S/N	0.32		11TH TSP	+10.60
38	71	01/92	C/L Special Interest	ODI S/N	0.57		TTS-CL	+2.90
		01/92	C/L Special Interest	ODI S/N	0.69		TTS-CL	+8.18
		01/92	C/L Special Interest	ODI S/N	0.43		10TH TSP	+9.74
		01/92	C/L Special Interest	ODI S/N	0.60		10TH TSP	+18.34
		01/92	C/L Special Interest	ODI S/N	0.64		10TH TSP	+14.37
39	30	01/92	C/L Special Interest	ODI S/N	0.74		3AVB	
		01/92	C/L Special Interest	ODI S/N	2.90		12TH TSP	+16.69
40	31	01/92	C/L Special Interest	ODI S/N	0.42		12TH TSP	+5.26
		01/92	C/L Special Interest	ODI S/N	0.54		12TH TSP	+6.44
		01/92	C/L Special Interest	ODI S/N	2.86		12TH TSP	+4.75
40	34	01/92	H/L Special Interest	ODI S/N	0.17		6TH TSP	-5.01
		01/92	H/L Special Interest	ODI S/N	0.20		6TH TSP	+20.66
		01/92	H/L Special Interest	ODI S/N	0.27		6TH TSP	-3.36
		01/92	H/L Special Interest	ODI S/N	0.68		6TH TSP	-17.02
		01/92	H/L Special Interest	ODI S/N	2.46		6TH TSP	+22.96
		01/92	H/L Special Interest	ODI S/N	4.54		5TH TSP	+29.90
41	46	01/92	H/L Special Interest	ODI S/N	3.36		TTS-HL	+20.58
		01/92	H/L Special Interest	ODI S/N	4.73		2ND TSP	+12.13
42	36	01/92	H/L Special Interest	ODI S/N	0.71		7TH TSP	+4.29
		01/92	H/L Special Interest	ODI S/N	0.77		7TH TSP	+5.70
42	39	01/92	C/L Special Interest	ODI S/N	0.54		11TH TSP	+34.39
42	43	01/92	C/L Special Interest	ODI S/N	1.64		9TH TSP	+19.49
42	47	01/92	C/L Special Interest	ODI S/N	0.30		12TH TSP	+11.44
42	54	01/92	C/L Special Interest	ODI S/N	0.59		14TH TSP	
		01/92	C/L Special Interest	ODI S/N	0.35		16TH TSP	+9.67
		01/92	C/L Special Interest	ODI S/N	0.39		16TH TSP	+9.48
43	52	01/92	H/L Special Interest	ODI S/N	2.07		2AVB	+9.68
		01/92	H/L Special Interest	ODI S/N	2.37		2AVB	+11.67
43	53	01/92	H/L Special Interest	ODI S/N	1.49		7TH TSP	-8.87
44	37	01/92	H/L Special Interest	ODI S/N	0.80		2ND TSP	+24.78
		01/92	H/L Special Interest	ODI S/N	3.02		2ND TSP	+24.01
		01/92	C/L Special Interest	ODI S/N	4.69		19TH TSP	+10.35
44	46	01/92	Bobbin	DNT	8.45		2ND TSP	+10.97
45	25	01/92	C/L Special Interest	ODI S/N	0.59		9TH TSP	+11.47
		01/92	C/L Special Interest	ODI S/N	0.63		9TH TSP	+10.76
		01/92	C/L Special Interest	ODI S/N	1.76		9TH TSP	+9.52
45	36	01/92	C/L Special Interest	ODI S/N	0.84		9TH TSP	+16.14
46	28	01/92	H/L Special Interest	PRM	1.67		3RD TSP	
46	30	01/92	C/L Special Interest	ODI S/N	0.23		4AVB	+29.07
		01/92	H/L Special Interest	ODI S/N	3.81		3AVB	+28.29
46	33	01/92	H/L Special Interest	ODI S/N	0.65		3RD TSP	+27.54
46	48	01/92	Bobbin	IDF	88	5.31	TE-HL	+4.68

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
46	73	01/92	C/L	Special Interest	ODI	S/N	2.62	13TH TSP	+2.09
47	36	01/92	C/L	Special Interest	ODI	S/N	0.49	14TH TSP	+12.44
		01/92	C/L	Special Interest	ODI	S/N	0.52	14TH TSP	+12.32
		01/92	C/L	Special Interest	ODI	S/N	3.18	14TH TSP	+10.65
47	44	01/92	H/L	Special Interest	ODI	S/N	0.43	3RD TSP	+37.46
		01/92	H/L	Special Interest	ODI	S/N	2.45	3RD TSP	+38.01
47	45	01/92		Bobbin	IDI	S/N	2.13	TE-HL	+13.41
		01/92	C/L	Special Interest	PRM		6.44	TTS-CL	+10.53
47	46	01/92		Bobbin	ODI	S/N	0.46	15TH TSP	+5.81
		01/92		Bobbin	ODI	98	7.03	20TH TSP	+4.83
		01/92	C/L	Special Interest	ODI	S/N	0.23	15TH TSP	+9.87
		01/92	C/L	Special Interest	ODI	S/N	0.28	15TH TSP	+8.52
		01/92	C/L	Special Interest	ODI	S/N	0.30	10TH TSP	+0.83
		01/92	C/L	Special Interest	ODI	S/N	0.49	15TH TSP	+6.29
		01/92	C/L	Special Interest	ODI	S/N	0.53	15TH TSP	+6.05
		01/92	C/L	Special Interest	ODI	S/N	0.64	14TH TSP	-1.67
		01/92	C/L	Special Interest	ODI	S/N	0.83	14TH TSP	-3.02
		01/92	C/L	Special Interest	ODI	S/N	1.06	15TH TSP	+8.04
		01/92	C/L	Special Interest	ODI	S/N	1.24	15TH TSP	+8.39
		01/92	C/L	Special Interest	ODI	S/N	1.71	15TH TSP	+6.87
		01/92	C/L	Special Interest	ODI	S/N	1.97	14TH TSP	+1.06
		01/92	C/L	Special Interest	ODI	S/N	2.29	14TH TSP	-5.06
		01/92	C/L	Special Interest	ODI	S/N	2.71	15TH TSP	+5.85
		01/92	C/L	Special Interest	ODI	S/N	3.11	15TH TSP	+6.15
		01/92	C/L	Special Interest	ODI	S/N	3.88	15TH TSP	+5.93
		01/92	C/L	Special Interest	ODI	100	8.19	20TH TSP	+5.79
47	47	01/92		Bobbin	ODI	S/N	0.29	17TH TSP	+0.10
48	42	01/92	C/L	Special Interest	PRM		19.69	TTS-CL	+11.91

Total Indications Found = 288
 Total Tubes Found = 137

FTI TUBAN II (Version 2.3) 02/28/2000 14:52:31
McGuire Nuclear Station - Unit One
S/G A
01/92 LKR

Page 1

ATTACHMENT #5 - PLUGGED TUBES

COUNT ROW COL

COUNT ROW COL

1.	3	107
2.	5	8
3.	7	66
4.	8	41
5.	9	11
6.	10	57
7.	10	83
8.	10	94
9.	12	92
10.	13	16
11.	16	57
12.	18	107
13.	19	97
14.	21	47
15.	23	59
16.	24	28
17.	26	101
18.	27	19
19.	27	39
20.	28	46
21.	29	15
22.	29	30
23.	29	94
24.	30	22
25.	32	81
26.	34	19
27.	34	93
28.	37	89
29.	39	57
30.	39	73
31.	39	97
32.	40	89
33.	41	45
34.	43	62
35.	44	92
36.	45	90
37.	46	62
38.	46	88
39.	47	64
40.	48	75

Total Data Items Found = 40
Total Tubes Found = 40

FTI TUBAN II (Version 2.3) 02/29/2000 10:37:12
McGuire Nuclear Station - Unit One
S/G B
01/92 LKR

Page 1

ATTACHMENT #6 - PLUGGED TUBES

COUNT	ROW	COL	COUNT	ROW	COL
1.	2	1	47.	46	40
2.	2	3	48.	47	42
3.	2	63	49.	49	52
4.	2	102	50.	49	62
5.	3	98			
6.	3	99			
7.	3	110			
8.	4	44			
9.	4	80			
10.	5	78			
11.	8	92			
12.	11	53			
13.	15	24			
14.	15	93			
15.	16	25			
16.	16	111			
17.	18	22			
18.	18	55			
19.	19	71			
20.	20	19			
21.	20	29			
22.	20	44			
23.	20	54			
24.	20	83			
25.	21	19			
26.	21	24			
27.	21	38			
28.	21	68			
29.	21	103			
30.	23	15			
31.	23	24			
32.	26	84			
33.	27	8			
34.	28	11			
35.	30	20			
36.	30	67			
37.	31	62			
38.	33	57			
39.	33	102			
40.	34	86			
41.	35	22			
42.	35	91			
43.	37	48			
44.	40	94			
45.	41	49			
46.	43	24			

FTI TUBAN II (Version 2.3) 02/29/2000 10:37:12
McGuire Nuclear Station - Unit One
S/G B
01/92 LKR

Page 2

ATTACHMENT #6 - PLUGGED TUBES
COUNT ROW COL

COUNT ROW COL

Total Data Items Found = 50
Total Tubes Found = 50

FTI TUBAN II (Version 2.3)

02/29/2000 10:39:44

McGuire Nuclear Station - Unit One

S/G C

01/92 LKR

Page 1

ATTACHMENT #7 - PLUGGED TUBES

COUNT ROW COL

COUNT ROW COL

1. 2 67
2. 4 16
3. 5 81
4. 6 13
5. 7 2
6. 7 74
7. 8 6
8. 9 71
9. 10 17
10. 10 22
11. 11 10
12. 11 17
13. 13 10
14. 13 54
15. 14 13
16. 15 28
17. 15 50
18. 15 62
19. 16 18
20. 16 102
21. 19 74
22. 19 91
23. 20 50
24. 21 67
25. 22 16
26. 22 105
27. 23 9
28. 24 66
29. 24 106
30. 25 48
31. 25 77
32. 26 74
33. 27 97
34. 28 57
35. 29 20
36. 29 91
37. 30 11
38. 30 20
39. 30 48
40. 30 62
41. 32 61
42. 32 66
43. 33 44
44. 33 79
45. 33 89
46. 37 93

47. 38 64
48. 38 80
49. 38 95
50. 39 69
51. 42 30
52. 42 88
53. 44 23
54. 47 69
55. 48 70

***** FTI TUBAN II (Version 2.3) 02/29/2000 10:39:44 *****
***** McGuire Nuclear Station - Unit One *****
***** S/G C *****
***** 01/92 LKR *****

ATTACHMENT #7 - PLUGGED TUBES
COUNT ROW COL

COUNT ROW COL

Total Data Items Found = 55
Total Tubes Found = 55

FTI TUBAN II (Version 2.3)

02/29/2000 10:41:49

McGuire Nuclear Station - Unit One

S/G D

01/92 LKR

Page 1

ATTACHMENT #8 - PLUGGED TUBES

COUNT ROW COL

COUNT ROW COL

1.	3	100
2.	6	62
3.	7	58
4.	9	51
5.	9	63
6.	10	102
7.	11	48
8.	11	109
9.	12	4
10.	12	90
11.	12	111
12.	13	30
13.	13	54
14.	18	87
15.	19	11
16.	19	30
17.	19	32
18.	20	87
19.	23	35
20.	24	29
21.	26	8
22.	26	35
23.	32	68
24.	33	42
25.	34	89
26.	36	30
27.	36	90
28.	42	80
29.	47	45
30.	47	46
31.	48	42

Total Data Items Found = 31

Total Tubes Found = 31