

Duke Power Company  
McGuire Nuclear Generation Department  
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Huntersville, NC 28078-8985

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**DUKE POWER**

August 2, 1995

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

Subject: McGuire Nuclear Station, Docket 50-370  
Unit 2 Steam Generators  
December 1994 EOC-9 Refueling Outage  
NRC Inspection Report - 12 Month

Pursuant to Technical Specification 3/4.4.5.5, part b, the following information is submitted:

- a. The following quantity of tubes were inspected from either side of the generator:

<u>Steam Generator</u>	<u>Tubes Inspected</u> <u>Full Length</u>
A	4190
B	4173
C	4238
D	4212

- b. The following information is submitted concerning tube indications of imperfections. (The attached lists identify the tubes with imperfections, their locations, and their size.)

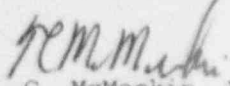
<u>Steam Generator</u>	<u>Attachment</u>
A	1
B	2
C	3
D	4

- c. The following quantities of tubes were removed from service or repaired: (The tubes are identified on the attached lists.)

<u>Steam Generator</u>	<u># of Tubes</u>	<u>Attachment</u>
A	199	5
B	209	6
C	184	7
D	210	8

Questions or problems should be directed to Kay Crane, Regulatory Compliance at (704) 875-4306

Very truly yours,

  
T. C. McMeekin, Vice President  
McGuire Nuclear Station

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	2	2	IDI	12	8.87	P	1	139 TE-HL	+10.01 9TH TSP
Bobbin	2	60	IDI	55	6.97	P	1	17 TE-HL	+11.29 9TH TSP
H/L Special I			MAI		1.41	1	14	TTS-HL	-9.93 TTS-HL
H/L Tubesheet	2	61	SAI		0.31	1	42	TTS-HL	-1.08 TTS-HL
Bobbin	2	66	IDI	44	7.25	P	1	98 TE-HL	+4.96 9TH TSP
Bobbin	2	74	IDI	45	12.84	P	1	14 TE-HL	+10.18 9TH TSP
H/L Special I			MAI		0.88	1	34	TTS-HL	-11.22 TTS-HL
H/L Special I			SAI		6.50	1	17	TTS-HL	-16.44 TTS-HL
Bobbin	2	78	ADI		2.91	6	89	19TH TSP	+17.95 9TH TSP
C/L Special I			VOL		0.72	1	101	19TH TSP	+17.65 16TH TSP
Bobbin	3	13	IDI	82	9.72	P	1	67 TE-HL	+4.09 9TH TSP
Bobbin	3	16	NQI		0.93	3	114	21ST TSP	+12.45 9TH TSP
Bobbin			IDI	86	22.99	P	1	61 TE-HL	+15.85 9TH TSP
C/L Special I			VOL		0.81	1	102	21ST TSP	+12.85 21ST TSP
Bobbin	3	21	IDI	44	16.11	P	1	16 TE-HL	+1.24 9TH TSP
Bobbin	3	22	IDI	24	4.54	P	1	132 TE-HL	+16.70 9TH TSP
H/L Tubesheet			SAI		3.25	1	44	TTS-HL	-4.12 TTS-HL
H/L Special I			SAI		4.37	1	19	TTS-HL	-3.90 TTS-HL
H/L Tubesheet	3	24	SAI		0.37	1	114	TTS-HL	-0.03 TTS-HL
H/L Tubesheet	3	64	SAI		0.63	1	11	TTS-HL	+0.00 TTS-HL
H/L Tubesheet	3	73	SAI		1.13	1	46	TTS-HL	-0.01 TTS-HL
U-Bend	3	75	VOL		0.51	1	40	8TH TSP	+4.47 9TH TSP
Bobbin	3	98	ADI		3.19	6	75	16TH TSP	+18.37 9TH TSP
C/L Special I			VOL		0.15	1	133	16TH TSP	+18.20 14TH TSP
Bobbin	4	16	IDI	79	7.29	P	1	71 TE-HL	+17.90 9TH TSP
Bobbin			IDI	85	11.80	P	1	63 TE-HL	+14.01 9TH TSP
H/L Tubesheet			MAI		12.60	1	32	TTS-HL	-3.21 TTS-HL
Bobbin	4	48	NQI		0.45	P	1	83 3RD TSP	+0.11 9TH TSP
Bobbin			NQI		0.63	P	1	62 2ND TSP	+0.03 9TH TSP
Bobbin	4	51	IDI	22	3.87	P	1	135 TE-HL	+9.47 9TH TSP
Bobbin	4	57	NQI		5.00	P	1	22 TE-HL	+13.97 9TH TSP
Bobbin			IDI	51	5.09	P	1	18 TE-HL	+16.02 9TH TSP
H/L Special I			MAI		0.66	1	23	TTS-HL	-4.98 TTS-HL
H/L Special I			MAI		2.95	1	22	TTS-HL	-7.00 TTS-HL
Bobbin	4	58	IDI	90	10.45	P	1	27 TE-HL	+6.70 9TH TSP
H/L Tubesheet			SAI		2.45	1	21	TTS-HL	+0.09 TTS-HL
H/L Tubesheet	4	60	MAI		0.83	1	136	TTS-HL	-4.97 TTS-HL
Bobbin	4	62	IDI	60	7.34	P	1	18 TE-HL	+16.70 9TH TSP
H/L Tubesheet			SAI		2.54	1	35	TTS-HL	-3.91 TTS-HL
Bobbin	4	83	IDI	97	24.97	P	1	34 TE-HL	+2.86 9TH TSP
H/L Special I			MAI		9.80	1	31	TE-HL	+1.94 TTS-HL
Bobbin	4	96	NQI		1.95	3	143	3RD TSP	+38.41 9TH TSP
H/L Special I			VOL		1.11	1	122	4TH TSP	-5.47 4TH TSP
Bobbin	4	102	ADI		2.90	6	81	11TH TSP	+39.16 9TH TSP
C/L Special I			VOL		0.22	1	90	10TH TSP	-4.75 10TH TSP
Bobbin	4	105	ODI	5	0.69	3	151	5TH TSP	+16.18 9TH TSP
Bobbin	4	108	ADI		1.73	6	84	4TH TSP	+10.43 9TH TSP
Bobbin			ODI	11	1.77	4	160	2ND TSP	+13.99 9TH TSP
H/L Special I			VOL		0.52	1	130	4TH TSP	+9.98 4TH TSP
H/L Special I			VOL		0.67	1	113	2ND TSP	+13.21 2ND TSP
Bobbin	4	110	ADI		1.98	6	87	10TH TSP	+18.66 9TH TSP
C/L Special I			VOL		1.01	1	123	10TH TSP	+17.11 10TH TSP
Bobbin	5	19	IDI	9	5.93	P	1	148 TE-HL	+11.69 9TH TSP
Bobbin	5	23	NQI		0.54	3	101	7TH TSP	+28.72 9TH TSP
Bobbin			NQI		0.77	3	115	10TH TSP	+10.83 9TH TSP
H/L Special I			VOL		0.95	1	126	8TH TSP	-15.76 8TH TSP
C/L Special I			VOL		1.26	1	127	10TH TSP	+11.31 10TH TSP
Bobbin	5	24	NQI		1.09	3	132	12TH TSP	+20.00 9TH TSP
C/L Special I			VOL		0.40	1	89	12TH TSP	+20.55 12TH TSP
Bobbin	5	46	ADI		3.73	6	92	18TH TSP	+12.44 9TH TSP
C/L Special I			VOL		0.49	1	49	17TH TSP	-10.33 17TH TSP
Bobbin	5	59	NQI		0.48	3	85	16TH TSP	+6.70 9TH TSP
C/L Special I			VOL		0.33	1	118	16TH TSP	+6.71 16TH TSP
Bobbin	5	60	IDI	43	5.45	P	1	13 TE-HL	+7.06 9TH TSP
H/L Special I			MAI		4.62	1	19	TTS-HL	-13.69 TTS-HL

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McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	5	61	IDI	27	6.21	P 1	8	TE-HL	+18.50
H/L Tubesheet			MAI		0.18	1	63	TTS-HL	-1.05
H/L Tubesheet			MAI		0.42	1	39	TTS-HL	-2.89
H/L Special I			MAI		0.22	1	52	TTS-HL	-1.06
H/L Special I			MAI		0.30	1	36	TTS-HL	-2.93
Bobbin	5	83	NQI		0.45	3	81	TTS-CL	+1.45
Bobbin	5	104	ADI		4.64	6	75	10TH TSP	+5.96
Bobbin	5	107	ODI	17	2.71	4	149	4TH TSP	+21.37
Bobbin			ODI	6	1.16	3	137	15TH TSP	+0.91
H/L Special I			VOL		1.26	1	112	4TH TSP	+20.51
C/L Special I			SAI		0.32	1	60	15TH TSP	+0.93
Bobbin	6	4	ODI	16	2.50	4	133	17TH TSP	+7.85
C/L Special I			VOL		0.79	1	104	17TH TSP	+7.71
Bobbin	6	10	ADI		4.85	6	93	12TH TSP	+22.25
C/L Special I			VOL		0.85	1	76	12TH TSP	+22.12
Bobbin	6	12	IDI	19	2.18	P 1	127	TE-HL	+16.53
Bobbin	6	18	IDI	79	6.96	P 1	72	TE-HL	+7.44
Bobbin	6	19	NQI		7.00	P 1	151	TE-HL	+9.35
Bobbin			IDI	50	2.69	P 1	105	TE-HL	+16.19
H/L Special I			SAI		2.67	1	41	TTS-HL	-4.59
H/L Special I			SAI		3.33	1	27	TTS-HL	-11.24
Bobbin	6	22	ODI	21	1.14	4	139	3RD TSP	+32.69
H/L Special I			VOL		0.76	1	120	4TH TSP	-11.27
Bobbin	6	23	ADI		2.27	6	78	16TH TSP	+6.08
C/L Special I			VOL		0.58	1	103	16TH TSP	+6.11
Bobbin	6	28	IDI	85	15.45	P 1	63	TE-HL	+11.67
H/L Special I			SAI		11.07	1	29	TTS-HL	-9.28
Bobbin	6	40	ODI	12	0.40	3	133	3RD TSP	+24.21
H/L Special I			VOL		0.90	1	129	3RD TSP	+25.43
Bobbin	6	41	ODI	17	1.09	3	129	5TH TSP	+39.02
H/L Special I			VOL		0.87	1	111	6TH TSP	-4.04
Bobbin	6	42	ODI	25	1.32	4	136	16TH TSP	+8.26
C/L Special I			VOL		0.54	1	85	16TH TSP	+8.26
Bobbin	6	44	ADI		2.32	6	85	19TH TSP	+4.90
C/L Special I			VOL		0.74	1	107	19TH TSP	+4.83
Bobbin	6	47	ADI		2.79	6	74	7TH TSP	+33.74
Bobbin			ODI	32	0.75	3	118	7TH TSP	+3.89
H/L Special I			VOL		0.42	1	72	7TH TSP	+33.86
H/L Special I			VOL		0.93	1	111	7TH TSP	+3.73
Bobbin	6	51	ADI		1.91	6	90	3RD TSP	+33.10
Bobbin			ADI		2.01	6	66	14TH TSP	+3.94
H/L Special I			VOL		0.45	1	90	4TH TSP	-10.92
C/L Special I			VOL		0.41	1	69	14TH TSP	+4.24
Bobbin	6	59	ADI		2.98	6	64	11TH TSP	+28.04
C/L Special I			VOL		1.20	1	47	11TH TSP	+26.83
H/L Tubesheet	6	62	SAI		0.50	1	16	TTS-HL	-2.51
Bobbin	6	67	NQI		3.99	3	5	8TH TSP	+12.49
Bobbin	6	79	NQI		0.42	P 1	85	2ND TSP	+0.12
Bobbin	6	81	ADI		5.20	6	91	20TH TSP	+5.39
Bobbin			ODI	29	1.30	3	120	18TH TSP	+12.16
C/L Special I			VOL		1.16	1	110	18TH TSP	+12.70
C/L Special I			VOL		1.36	1	125	20TH TSP	+4.89
Bobbin	6	84	NQI		31.58	P 1	167	TE-HL	+13.47
H/L Special I			MAI		6.90	1	23	TTS-HL	-7.60
Bobbin	6	95	NQI		42.17	P 1	3	TTS-CL	+0.00
Bobbin	7	12	IDI	98	33.87	P 1	38	TE-HL	+3.01
H/L Tubesheet	7	29	SAI		0.38	1	11	TTS-HL	+0.00
Bobbin	7	56	NQI		0.63	3	92	5TH TSP	+15.36
H/L Special I			SAI		0.35	1	97	5TH TSP	+15.18
Bobbin	7	72	ODI	12	0.94	3	136	5TH TSP	+38.33
H/L Special I			VOL		2.20	1	151	6TH TSP	-5.64
Bobbin	7	99	ODI	2	1.42	4	143	6TH TSP	+27.30
Bobbin			ODI	24	0.94	4	126	13TH TSP	+10.54
Bobbin			ODI	29	1.40	4	121	11TH TSP	+7.71
H/L Special I			VOL		0.87	1	115	7TH TSP	-16.42

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McGuire Nuclear Station - Unit Two  
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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					0.74	1	107	13TH TSP	+9.55
C/L Special I					0.88	1	104	11TH TSP	+7.02
Bobbin	7	108	ADI		3.86	6	69	10TH TSP	+6.80
C/L Special I					0.98	1	126	10TH TSP	+6.48
H/L Tubesheet	8	16	SAI		1.23	1	22	TTS-HL	+0.03
Bobbin	8	20	NQI		0.60	3	60	18TH TSP	+3.17
C/L Special I					0.60	1	137	18TH TSP	+3.15
Bobbin	8	55	IDI	55	14.20	P 1	17	TE-HL	+11.26
Bobbin	8	59	NQI		0.20	3	90	13TH TSP	+19.79
Bobbin			IDI	89	40.39	P 1	52	TE-HL	+5.49
H/L Special I			MAI		12.94	1	30	TE-HL	+4.88
Bobbin	8	93	ODI	6	0.52	3	138	10TH TSP	+37.82
C/L Special I					1.10	1	147	9TH TSP	-5.66
Bobbin	9	15	ADI		2.73	6	48	11TH TSP	+5.32
C/L Special I					0.25	1	127	11TH TSP	+5.06
H/L Tubesheet	9	28	SAI		0.34	1	82	TTS-HL	+0.10
Bobbin	9	38	ODI	27	0.82	3	123	18TH TSP	+20.35
Bobbin			IDI	39	12.43	P 1	12	TE-HL	+13.56
C/L Special I					1.20	1	87	17TH TSP	-1.78
Bobbin	9	43	NQI		1.18	3	136	5TH TSP	+5.57
Bobbin			ODI	7	0.87	3	137	6TH TSP	+5.50
Bobbin			ODI	14	1.32	3	132	6TH TSP	+18.16
Bobbin			ODI	21	0.78	3	127	5TH TSP	+32.13
Bobbin			ODI	19	1.16	3	129	12TH TSP	+2.27
H/L Special I					0.61	1	139	6TH TSP	+5.11
H/L Special I					0.79	1	107	6TH TSP	+17.54
H/L Special I					1.06	1	116	6TH TSP	-11.68
H/L Special I					1.55	1	142	5TH TSP	+5.17
C/L Special I					1.29	1	77	12TH TSP	+2.41
Bobbin	9	69	ADI		5.12	6	72	6TH TSP	+7.64
Bobbin			ODI	10	1.21	3	132	5TH TSP	+27.32
H/L Special I					0.48	1	127	6TH TSP	-16.67
H/L Special I					0.90	1	70	6TH TSP	+7.33
Bobbin	9	70	NQI		0.50	3	112	7TH TSP	+29.51
H/L Special I					0.54	1	157	7TH TSP	+28.87
Bobbin	9	73	ADI		5.50	6	80	5TH TSP	+30.58
Bobbin			NQI		1.11	3	116	7TH TSP	+11.94
H/L Special I					2.11	1	86	6TH TSP	-12.77
H/L Special I					2.55	1	122	7TH TSP	+11.65
Bobbin	9	74	ADI		3.33	6	90	10TH TSP	+36.13
Bobbin			ADI		7.16	6	87	16TH TSP	+7.11
C/L Special I					0.62	1	90	9TH TSP	-8.07
C/L Special I					0.89	1	95	16TH TSP	+6.32
Bobbin	9	75	ODI	32	1.20	3	116	18TH TSP	+3.85
C/L Special I			SAI		1.40	1	12	18TH TSP	+3.63
Bobbin	9	82	NQI		0.78	3	98	7TH TSP	+21.27
H/L Special I					1.94	1	131	7TH TSP	+20.61
Bobbin	9	86	ADI		2.84	6	76	7TH TSP	+19.45
H/L Special I					0.41	1	137	7TH TSP	+19.34
Bobbin	9	95	ADI		3.04	6	80	18TH TSP	+5.92
C/L Special I					0.36	1	106	18TH TSP	+5.26
Bobbin	9	105	IDI	92	13.42	P 1	47	TE-HL	+7.32
Bobbin	10	58	ADI		2.34	6	62	3RD TSP	+13.39
H/L Special I					0.47	1	150	3RD TSP	+13.52
Bobbin	10	59	NQI		0.52	P 1	73	2ND TSP	-0.10
H/L Special I	10	75	VOL		2.08	1	95	5TH TSP	-1.92
Bobbin	10	95	ODI	16	0.48	3	128	4TH TSP	+26.02
H/L Special I					0.62	1	130	5TH TSP	-17.21
Bobbin	10	96	ADI		4.23	6	63	6TH TSP	+38.28
H/L Special I					0.43	1	117	7TH TSP	-5.76
Bobbin	10	99	ODI	3	0.31	P 1	135	3RD TSP	+0.12
Bobbin	10	103	NQI		2.09	P 1	149	TE-HL	+10.56
Bobbin	10	104	ODI	14	0.95	3	130	11TH TSP	+7.51
C/L Special I					1.39	1	92	11TH TSP	+6.82
Bobbin	10	112	ODI	10	5.28	4	148	4TH TSP	+7.09



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					VOL			57 4TH TSP	+7.42
Bobbin	11	4	IDI	58	11.43	P	1	19 TE-HL	+8.60
Bobbin	11	11	NQI		0.32		3	75 2ND TSP	+13.60
Bobbin	11	59	IDI	13	3.46	P	1	129 TE-HL	+17.02
Bobbin	11	65	ODI	20	1.60		4	138 10TH TSP	+41.07
C/L Special I					VOL			117 9TH TSP	-3.03
Bobbin	11	66	ODI	33	1.05		4	128 10TH TSP	+5.63
Bobbin	11	67	ODI	25	0.55		3	121 17TH TSP	+4.53
H/L Special I					VOL			89 8TH TSP	+0.74
C/L Special I					VOL			41 17TH TSP	-2.14
Bobbin	11	72	NQI		4.86	P	1	142 TE-HL	+10.39
Bobbin			NQI		7.37	P	1	124 TE-HL	+13.24
Bobbin	11	84	ADI		3.30		6	55 19TH TSP	-1.23
Bobbin			ODI	10	3.18		4	137 10TH TSP	+38.92
C/L Special I					VOL			128 9TH TSP	-5.24
C/L Special I					VOL			85 19TH TSP	-1.49
Bobbin	11	97	ADI		2.60		6	89 11TH TSP	+27.52
C/L Special I					VOL			65 11TH TSP	+27.33
Bobbin	11	99	ODI	18	2.53		4	133 6TH TSP	+17.18
H/L Special I					VOL			109 6TH TSP	+16.87
Bobbin	12	13	IDI	58	12.15	P	1	19 TE-HL	+4.86
Bobbin	12	27	NQI		0.30		3	108 7TH TSP	+3.32
Bobbin	12	35	IDI	64	28.81	P	1	21 TE-HL	+4.48
Bobbin	12	36	IDI	67	10.76	P	1	22 TE-HL	+13.37
Bobbin	12	62	IDI	86	15.07	P	1	24 TE-HL	+11.44
Bobbin	12	73	NQI		14.58	P	1	29 TE-HL	+12.42
Bobbin	13	13	IDI	91	10.72	P	1	51 TE-HL	+15.00
Bobbin	13	25	IDI	55	9.90	P	1	17 TE-HL	+15.77
Bobbin	13	56	NQI		0.22	P	1	54 5TH TSP	-0.02
H/L Special I					SAI			138 5TH TSP	-0.06
H/L Tubesheet	13	110	SAI		0.77		1	111 TTS-HL	-3.47
Bobbin	14	19	IDI	74	5.30	P	1	23 TE-HL	+17.27
H/L Special I					MAI			50 TTS-HL	-3.10
Bobbin	14	24	IDI	54	10.90	P	1	19 TE-HL	+3.57
Bobbin	14	59	IDI	48	9.14	P	1	15 TE-HL	+12.26
Bobbin	14	67	ADI		6.78		6	92 13TH TSP	+5.80
C/L Special I					VOL			88 13TH TSP	+5.11
Bobbin	14	73	IDI	95	40.38	P	1	40 TE-HL	+17.50
H/L Tubesheet					MAI			22 TTS-HL	-4.35
H/L Special I					MAI			34 TTS-HL	-3.86
Bobbin	14	87	ADI		2.77		6	84 6TH TSP	+38.92
Bobbin			ODI	1	0.75		3	141 6TH TSP	+37.55
Bobbin			ODI	2	1.97		3	140 7TH TSP	+14.82
H/L Special I					VOL			124 7TH TSP	+14.87
Bobbin	14	88	ADI		2.95		6	76 10TH TSP	+5.91
Bobbin	14	94	ADI		3.19		6	84 13TH TSP	+5.71
Bobbin	14	112	NQI		1.22		3	105 11TH TSP	+13.69
C/L Special I					VOL			101 11TH TSP	+13.60
Bobbin	15	27	ODI	29	0.35		3	121 10TH TSP	+10.46
C/L Special I					VOL			71 10TH TSP	+10.62
Bobbin	15	40	ODI	17	0.89		4	139 10TH TSP	+19.40
C/L Special I					VOL			78 10TH TSP	+19.21
Bobbin	15	45	IDI	83	19.51	P	1	29 TE-HL	+17.18
H/L Tubesheet					MAI			38 TTS-HL	-4.64
Bobbin	15	50	IDI	66	12.63	P	1	23 TE-HL	+10.61
Bobbin	15	67	IDI	94	35.37	P	1	35 TE-HL	+10.23
H/L Tubesheet					SAI			38 TTS-HL	-1.43
Bobbin	15	72	ADI		4.22		6	75 11TH TSP	+38.27
Bobbin			IDI	61	20.55	P	1	20 TE-HL	+7.90
C/L Special I					VOL			99 10TH TSP	-5.96
Bobbin	15	78	ODI	5	0.98		3	137 5TH TSP	+32.29
Bobbin	15	91	NQI		0.74		3	84 7TH TSP	+22.19
H/L Special I					NQI			13 7TH TSP	+22.46
Bobbin	15	105	IDI	64	11.36	P	1	21 TE-HL	+6.98
H/L Special I					MAI			10 TE-HL	+7.05

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	16	9	IDI	54	13.44	P	1	19 TE-HL	+13.42 F/L
H/L Special I			MAI		1.53	1		21 TTS-HL	-6.89 TTS-HL
Bobbin	16	11	IDI	40	11.33	P	1	14 TE-HL	+11.47 F/L
Bobbin	16	22	NQI		1.10	3		134 2ND TSP	+17.07 F/L
H/L Special I			VOL		1.26	1		118 3RD TSP	-7.02 3RD TSP
Bobbin	16	29	IDI	63	14.48	P	1	22 TE-HL	+13.40 F/L
H/L Special I			MAI		0.68	1		25 TTS-HL	-7.23 TTS-HL
H/L Tubesheet	16	42	MAI		0.97	1		30 TTS-HL	-0.03 TTS-HL
Bobbin	16	51	ODI	5	0.43	3		138 6TH TSP	+38.28 F/L
H/L Special I			VOL		0.31	1		96 7TH TSP	-6.38 7TH TSP
H/L Tubesheet	17	14	SAI		1.43	1		24 TTS-HL	+0.18 TTS-HL
Bobbin	17	24	IDI	57	22.52	P	1	16 TE-HL	+10.56 F/L
Bobbin			IDI	96	25.64	P	1	27 TE-HL	+14.38 F/L
Bobbin	17	25	IDI	79	19.71	P	1	22 TE-HL	+14.36 F/L
Bobbin	17	31	IDI	43	19.70	P	1	12 TE-HL	+9.66 F/L
Bobbin			IDI	46	14.53	P	1	13 TE-HL	+16.35 F/L
Bobbin	17	48	IDI	83	8.65	P	1	62 TE-HL	+16.68 F/L
H/L Tubesheet			MAI		5.21	1		34 TTS-HL	-4.97 TTS-HL
H/L Tubesheet	17	62	SAI		0.40	1		127 TTS-HL	+0.70 TTS-HL
Bobbin	17	65	ADI		1.91	6		71 5TH TSP	+27.97 F/L
H/L Special I			VOL		0.87	1		134 6TH TSP	-3.09 6TH TSP
H/L Special I			VOL		1.30	1		157 6TH TSP	-15.26 6TH TSP
Bobbin	17	72	IDI	65	19.70	P	1	20 TE-HL	+9.34 F/L
H/L Special I			MAI		4.13	1		15 TTS-HL	-11.97 TTS-HL
Bobbin	18	5	ADI		4.52	6		73 12TH TSP	+12.63 F/L
C/L Special I			VOL		0.47	1		98 12TH TSP	+12.86 12TH TSP
Bobbin	18	15	IDI	57	15.08	P	1	16 TE-HL	+5.64 F/L
H/L Tubesheet	18	25	SAI		0.29	1		104 TTS-HL	+0.08 TTS-HL
Bobbin	18	98	ODI	17	0.44	3		129 3RD TSP	+29.19 F/L
H/L Special I			VOL		0.42	1		111 4TH TSP	-21.56 4TH TSP
Bobbin	18	104	NQI		7.34	P	1	138 TE-HL	+13.13 F/L
H/L Tubesheet			SAI		2.73	1		28 TTS-HL	-3.75 TTS-HL
H/L Special I			MAI		7.46	1		31 TTS-HL	-7.95 TTS-HL
H/L Special I			SAI		3.46	1		18 TTS-HL	-3.02 TTS-HL
Bobbin	19	21	IDI	53	15.64	P	1	17 TE-HL	+8.38 F/L
Bobbin	19	22	IDI	53	14.00	P	1	17 TE-HL	+4.79 F/L
H/L Tubesheet	19	28	SAI		2.40	1		19 TTS-HL	+0.15 TTS-HL
Bobbin	19	29	IDI	38	13.90	P	1	12 TE-HL	+13.37 F/L
Bobbin			IDI	47	17.77	P	1	15 TE-HL	+14.41 F/L
H/L Special I			MAI		0.18	1		30 TTS-HL	-6.28 TTS-HL
H/L Special I			SAI		2.62	1		23 TTS-HL	-7.31 TTS-HL
Bobbin	19	34	ADI		3.65	6		50 4TH TSP	+16.24 F/L
Bobbin	19	37	ADI		4.99	6		74 20TH TSP	+5.78 F/L
C/L Special I			VOL		0.73	1		90 19TH TSP	-2.49 19TH TSP
Bobbin	19	56	NQI		1.05	3		123 11TH TSP	+17.68 F/L
C/L Special I			VOL		1.11	1		92 11TH TSP	+17.00 11TH TSP
Bobbin	19	59	NQI		6.86	P	1	142 TE-HL	+15.99 F/L
H/L Special I			SAI		5.56	1		27 TTS-HL	-5.12 TTS-HL
Bobbin	19	61	ODI	28	0.51	3		121 4TH TSP	+4.87 F/L
H/L Special I			VOL		0.96	1		127 4TH TSP	-1.39 4TH TSP
H/L Special I			VOL		0.97	1		152 4TH TSP	+4.76 4TH TSP
H/L Special I			VOL		1.19	1		138 4TH TSP	+2.68 4TH TSP
H/L Special I			VOL		1.27	1		155 4TH TSP	+0.76 4TH TSP
Bobbin	19	68	ODI	29	0.32	3		120 6TH TSP	+25.97 F/L
H/L Special I			VOL		0.38	1		49 7TH TSP	-18.35 7TH TSP
Bobbin	19	73	NQI		2.57	P	1	54 TE-HL	+19.79 F/L
Bobbin			NQI		14.63	P	1	24 TE-HL	+9.86 F/L
H/L Tubesheet			MAI		1.85	1		33 TTS-HL	-1.51 TTS-HL
H/L Special I			MAI		1.68	1		37 TTS-HL	-1.25 TTS-HL
H/L Special I			SAI		1.82	1		39 TTS-HL	-15.91 TTS-HL
H/L Special I			SAI		2.52	1		30 TTS-HL	-12.75 TTS-HL
Bobbin	19	96	WAR	13	0.56	P	4	0 1AVB	+0.00 F/L
Bobbin	20	16	ADI		2.60	6		67 11TH TSP	+34.30 F/L
C/L Special I			VOL		0.65	1		72 10TH TSP	+2.65 10TH TSP
Bobbin	20	17	ADI		4.18	6		64 11TH TSP	+23.52 F/L

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					0.51	1	89	10TH TSP	10TH TSP
Bobbin	20	20	ADI		3.32	6	75	7TH TSP	F/L
H/L Special I					0.49	1	118	7TH TSP	7TH TSP
Bobbin	20	28	IDI	67	8.37	P 1	85	TE-HL	F/L
H/L Special I			MAI		1.95	1	22	TTS-HL	TTS-HL
Bobbin	20	30	ADI		5.17	6	79	6TH TSP	F/L
H/L Special I			VOL		1.22	1	128	6TH TSP	6TH TSP
Bobbin	20	36	NQI		0.65	3	64	TTS-CL	F/L
Bobbin	20	49	ADI		3.63	6	59	11TH TSP	F/L
Bobbin	20	55	NQI		0.61	3	112	4TH TSP	F/L
H/L Special I			VOL		1.15	1	104	5TH TSP	5TH TSP
Bobbin	20	66	ADI		3.75	6	78	12TH TSP	F/L
C/L Special I			VOL		1.51	1	104	12TH TSP	12TH TSP
Bobbin	20	70	ODI	32	2.04	4	131	3RD TSP	F/L
H/L Tubesheet			VOL		1.76	1	143	TTS-HL	TTS-HL
H/L Special I			VOL		0.84	1	94	3RD TSP	3RD TSP
Bobbin	20	73	IDI	64	21.88	P 1	21	TE-HL	F/L
H/L Special I			MAI		1.55	1	18	TTS-HL	TTS-HL
H/L Special I			MAI		2.85	1	25	TTS-HL	TTS-HL
H/L Special I			SAI		0.88	1	10	TTS-HL	TTS-HL
Bobbin	20	87	IDI	94	1.79	P 1	46	TE-HL	F/L
Bobbin	21	24	ADI		3.40	6	83	5TH TSP	F/L
H/L Special I			VOL		0.94	1	109	6TH TSP	6TH TSP
Bobbin	21	26	ADI		4.20	6	88	10TH TSP	F/L
Bobbin			ODI	16	1.65	4	142	18TH TSP	F/L
C/L Special I			VOL		0.39	1	109	9TH TSP	9TH TSP
Bobbin	21	34	ADI		2.57	6	87	11TH TSP	F/L
Bobbin			ODI	20	0.87	4	140	11TH TSP	F/L
C/L Special I			VOL		0.57	1	58	11TH TSP	11TH TSP
C/L Special I			VOL		0.58	1	62	11TH TSP	11TH TSP
Bobbin	21	35	ODI	22	2.23	4	139	12TH TSP	F/L
C/L Special I			VOL		0.90	1	118	12TH TSP	12TH TSP
H/L Tubesheet	21	49	SCI		0.69	1	14	TTS-HL	TTS-HL
Bobbin	21	58	IDI	54	9.77	P 1	97	TE-HL	F/L
Bobbin			IDI	94	16.23	P 1	44	TE-HL	F/L
H/L Special I			MAI		9.95	1	24	TE-HL	TTS-HL
H/L Special I			SAI		7.70	1	41	TE-HL	TTS-HL
Bobbin	21	81	NQI		0.60	P 1	114	3RD TSP	F/L
H/L Tubesheet	21	98	SAI		3.05	1	22	TTS-HL	TTS-HL
Bobbin	21	100	IDI	30	5.65	P 1	10	TE-HL	F/L
Bobbin	22	9	ADI		1.86	6	74	1ST TSP	F/L
Bobbin			ADI		5.01	6	53	7TH TSP	F/L
H/L Special I			VOL		0.66	1	82	2ND TSP	2ND TSP
H/L Special I			VOL		1.19	1	116	7TH TSP	7TH TSP
H/L Special I			VOL		1.28	1	109	7TH TSP	7TH TSP
Bobbin	22	23	NQI		6.45	P 1	158	TE-HL	F/L
Bobbin	22	35	ADI		3.14	6	81	4TH TSP	F/L
Bobbin	22	44	NQI		0.42	P 1	75	18TH TSP	F/L
Bobbin			WAR	22	1.17	P 4	0	2AVB	F/L
Bobbin	22	55	IDI	87	21.72	P 1	56	TE-HL	F/L
Bobbin	22	67	ADI		3.64	6	89	18TH TSP	F/L
C/L Special I			VOL		1.05	1	124	18TH TSP	18TH TSP
Bobbin	22	85	ADI		1.73	6	43	3AVB	F/L
Bobbin	22	86	WAR	19	1.01	P 4	0	2AVB	F/L
Bobbin	22	92	NQI		1.08	3	38	21ST TSP	F/L
Bobbin	23	7	IDI	15	8.39	P 1	126	TE-HL	F/L
Bobbin	23	13	WAR	14	0.60	P 4	0	4AVB	F/L
Bobbin	23	24	IDI	86	22.46	P 1	58	TE-HL	F/L
H/L Tubesheet			MAI		6.11	1	39	TTS-HL	TTS-HL
Bobbin	23	29	IDI	53	10.94	P 1	99	TE-HL	F/L
H/L Special I			MAI		9.86	1	37	TE-HL	TTS-HL
Bobbin	23	42	ADI		5.66	6	90	4AVB	F/L
U-Bend			VOL		0.92	1	50	4AVB	9TH TSP
U-Bend			VOL		1.06	1	62	9TH TSP	9TH TSP
H/L Tubesheet	23	69	SCI		1.16	1	36	TTS-HL	TTS-HL

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	23	70	NQI		1.66	3	140	3RD TSP	F/L
H/L Special I			VOL		1.83	1	139	3RD TSP	3RD TSP
Bobbin	23	83	ADI		5.29	6	89	TTS-HL	F/L
Bobbin			ODI	27	2.14	4	133	5TH TSP	F/L
H/L Special I			VOL		1.52	1	162	TTS-HL	1ST TSP
H/L Special I			VOL		0.21	1	77	5TH TSP	5TH TSP
H/L Special I			VOL		1.92	1	146	5TH TSP	5TH TSP
Bobbin	24	14	IDI	56	8.73	P 1	97	TE-HL	F/L
Bobbin	24	22	IDI	56	7.88	P 1	97	TE-HL	F/L
H/L Special I			SAI		9.10	1	20	TTS-HL	TTS-HL
Bobbin	24	25	IDI	27	10.63	P 1	119	TE-HL	F/L
H/L Tubesheet			SAI		7.96	1	19	TTS-HL	TTS-HL
Bobbin	24	36	IDI	77	15.80	P 1	73	TE-HL	F/L
H/L Tubesheet	24	49	SAI		0.79	1	50	TTS-HL	TTS-HL
Bobbin	24	53	ADI		0.48	6	59	TTS-CL	F/L
Bobbin	24	73	NQI		0.73	3	142	3RD TSP	F/L
H/L Special I			VOL		0.62	1	129	3RD TSP	3RD TSP
H/L Special I			VOL		1.00	1	172	3RD TSP	3RD TSP
Bobbin	24	93	WAR	20	1.05	P 4	0	1AVB	F/L
Bobbin	25	8	NQI		0.43	3	98	7TH TSP	F/L
H/L Special I			VOL		0.35	1	114	7TH TSP	7TH TSP
Bobbin	25	13	IDI	71	9.74	P 1	81	TE-HL	F/L
Bobbin	25	17	ODI	28	0.99	3	119	5TH TSP	F/L
H/L Special I			VOL		0.82	1	113	5TH TSP	5TH TSP
H/L Tubesheet	25	29	SAI		2.48	1	19	TTS-HL	TTS-HL
Bobbin	25	30	NQI		0.54	3	109	12TH TSP	F/L
C/L Special I			VC		0.69	1	117	12TH TSP	11TH TSP
Bobbin	25	38	ODI	6	2.20	4	144	3RD TSP	F/L
H/L Special I			VOL		0.49	1	118	3RD TSP	3RD TSP
Bobbin	25	43	NQI		6.57	3	11	15TH TSP	F/L
Bobbin	25	55	IDI	20	6.27	P 1	123	TE-HL	F/L
Bobbin	25	63	NQI		6.57	P 1	155	TE-HL	F/L
H/L Special I			SAI		5.30	1	17	TTS-HL	TTS-HL
Bobbin	25	73	ODI	17	0.37	3	129	3RD TSP	F/L
H/L Special I			VOL		0.84	1	150	4TH TSP	4TH TSP
H/L Special I			VOL		0.88	1	148	4TH TSP	4TH TSP
Bobbin	25	74	ODI	11	0.83	3	133	22ND TSP	F/L
C/L Special I			VOL		1.08	1	147	22ND TSP	22ND TSP
Bobbin	26	12	NQI		7.37	P 1	166	TE-HL	F/L
H/L Tubesheet			SAI		4.95	1	20	TTS-HL	TTS-HL
Bobbin	26	22	ODI	30	0.69	3	118	11TH TSP	F/L
C/L Special I			VOL		0.20	1	111	11TH TSP	11TH TSP
H/L Tubesheet	26	33	SCI		1.83	1	15	TTS-HL	TTS-HL
Bobbin	26	45	IDI	32	22.75	P 1	10	TE-HL	F/L
H/L Tubesheet			MAI		2.32	1	23	TTS-HL	TTS-HL
Bobbin	26	61	ODI	12	0.69	3	132	15TH TSP	F/L
C/L Special I			VOL		0.87	1	136	15TH TSP	14TH TSP
Bobbin	26	62	ADI		2.28	6	75	10TH TSP	F/L
Bobbin	26	67	WAR	17	0.78	P 4	0	2AVB	F/L
Bobbin	26	69	ODI	11	1.60	3	133	7TH TSP	F/L
H/L Special I			VOL		1.09	1	107	7TH TSP	7TH TSP
Bobbin	26	74	ADI		4.05	6	81	10TH TSP	F/L
C/L Special I			VOL		0.90	1	31	10TH TSP	10TH TSP
Bobbin	26	83	ADI		4.38	6	81	10TH TSP	F/L
Bobbin			WAR	17	0.79	P 4	0	4AVB	F/L
Bobbin			WAR	21	1.04	P 4	0	3AVB	F/L
Bobbin	26	84	WAR	19	0.89	P 4	0	1AVB	F/L
Bobbin	26	103	WAR	12	0.55	P 4	0	1AVB	F/L
Bobbin	26	106	WAR	18	0.84	P 4	0	1AVB	F/L
H/L Tubesheet	27	18	SAI		0.25	1	54	TTS-HL	TTS-HL
Bobbin	27	28	IDI	71	4.69	P 1	82	TE-HL	F/L
H/L Tubesheet	27	37	SAI		1.25	1	23	TTS-HL	TTS-HL
Bobbin	27	39	IDI	78	23.17	P 1	28	TE-HL	F/L
Bobbin	27	44	WAR	22	1.13	P 4	0	2AVB	F/L
Bobbin	27	51	WAR	31	2.05	P 4	0	2AVB	F/L



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Tubesheet			SCI		0.61	1	138	TTS-HL	-0.04
Bobbin	27	52	IDI	68	10.13	P 1	85	TE-HL	+5.48
H/L Tubesheet	27	57	SAI		1.12	1	30	TTS-HL	+0.03
Bobbin	27	58	IDI	95	30.85	P 1	46	TE-HL	+1.35
H/L Special I			MAI		11.00	1	31	TE-HL	+0.65
Bobbin	27	61	IDI	64	6.01	P 1	92	TE-HL	+9.18
Bobbin			IDI	67	6.18	P 1	89	TE-HL	+5.33
Bobbin			IDI	79	24.67	P 1	74	TE-HL	+8.24
H/L Special I			MAI		3.98	1	19	TTS-HL	-12.92
H/L Special I			MAI		4.62	1	23	TTS-HL	-13.74
H/L Special I			SAI		1.92	1	21	TTS-HL	-12.30
H/L Special I			SAI		7.04	1	25	TTS-HL	-16.32
H/L Tubesheet	27	76	VOL		0.49	1	123	TTS-HL	-1.26
Bobbin	27	79	ODI	1	1.72	3	139	5TH TSP	+5.54
H/L Special I			VOL		1.14	1	91	5TH TSP	+5.41
Bobbin	27	87	ADI		2.21	6	82	5TH TSP	+32.25
H/L Special I			VOL		0.51	1	135	6TH TSP	-11.55
Bobbin	27	99	WAR	24	1.28	P 4	0	1AVB	+0.00
Bobbin	27	103	WAR	18	0.83	P 4	0	1AVB	+0.00
Bobbin	27	106	WAR	33	2.36	P 4	0	1AVB	+0.00
Bobbin	28	13	IDI	42	9.74	P 1	105	TE-HL	+10.42
Bobbin	28	31	NQI		7.46	P 1	161	TE-HL	+3.63
Bobbin	28	47	ADI		3.58	6	59	15TH TSP	+7.12
C/L Special I			VOL		1.40	1	128	14TH TSP	-4.34
Bobbin	28	48	WAR	16	0.71	P 4	0	1AVB	+0.00
Bobbin	28	56	WAR	18	0.82	P 4	0	1AVB	+0.00
Bobbin	28	82	ODI	28	0.83	3	121	4TH TSP	+11.18
H/L Special I			VOL		1.31	1	124	4TH TSP	+10.93
Bobbin	28	101	WAR	16	0.84	P 4	0	1AVB	+0.00
Bobbin	28	103	ODI	2	2.13	4	149	11TH TSP	+14.10
Bobbin			WAR	15	0.76	P 4	0	1AVB	+0.00
C/L Special I			VOL		0.68	1	119	11TH TSP	+13.87
Bobbin	29	25	IDI	35	14.11	P 1	12	TE-HL	+15.16
H/L Special I			MAI		2.84	1	16	TTS-HL	-6.04
Bobbin	29	38	IDI	18	1.75	P 1	124	TE-HL	+12.74
Bobbin	29	51	WAR	23	1.23	P 4	0	1AVB	+0.00
Bobbin	29	53	ADI		3.61	6	87	11TH TSP	+25.65
Bobbin			ODI	9	0.70	3	133	11TH TSP	+35.88
C/L Special I			VOL		0.22	1	112	10TH TSP	-7.95
C/L Special I			VOL		0.64	1	100	10TH TSP	-18.05
Bobbin	29	57	WAR	17	0.78	P 4	0	1AVB	+0.00
Bobbin	29	76	ADI		2.51	6	106	2AVB	+8.90
Bobbin	29	77	ADI		3.00	6	95	5TH TSP	+11.88
H/L Special I			VOL		0.96	1	103	5TH TSP	+12.23
Bobbin	29	91	ODI	16	2.05	3	130	6TH TSP	+36.32
H/L Special I			VOL		2.04	1	112	7TH TSP	-7.70
Bobbin	29	92	WAR	24	1.21	P 4	0	1AVB	+0.00
Bobbin	29	95	ADI		4.73	6	53	1AVB	+11.07
Bobbin	29	103	WAR	12	0.49	P 4	0	1AVB	+0.00
Bobbin	29	104	WAR	26	1.60	P 4	0	1AVB	+0.00
H/L Tubesheet	30	23	VOL		0.51	1	41	TTS-HL	-4.71
Bobbin	30	43	ODI	7	0.99	3	135	10TH TSP	+26.56
Bobbin			WAR	7	0.44	P 4	0	1AVB	+0.00
C/L Special I			VOL		0.75	1	90	10TH TSP	+26.79
Bobbin	30	59	ADI		1.56	3	4	2AVB	+0.73
U-Bend			VOL		0.71	1	148	2AVB	+0.16
Bobbin	30	76	WAR	11	0.58	P 4	0	3AVB	+0.00
Bobbin	30	78	WAR	12	0.60	P 4	0	4AVB	+0.00
Bobbin			WAR	14	0.69	P 4	0	3AVB	+0.00
Bobbin			WAR	14	0.71	P 4	0	2AVB	+0.00
Bobbin	30	83	WAR	14	0.70	P 4	0	1AVB	+0.00
Bobbin	30	95	WAR	21	1.16	P 4	0	2AVB	+0.00
Bobbin	30	99	WAR	22	1.10	P 4	0	1AVB	+0.00
Bobbin	30	102	WAR	14	0.58	P 4	0	1AVB	+0.00
Bobbin	30	103	WAR	23	1.04	P 4	0	1AVB	+0.00



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	30	104	WAR	16	0.65	P 4	0	1AVB	+0.00
Bobbin	31	27	ADI		5.15	6	85	19TH TSP	+2.54
Bobbin			IDI	64	11.54	P 1	23	TE-HL	+10.41
C/L Special I			VOL		0.63	1	91	19TH TSP	+2.19
H/L Tubesheet	31	49	SAI		0.82	1	30	TTS-HL	+0.00
Bobbin	31	67	ODI	5	1.82	3	138	15TH TSP	+6.90
Bobbin			ODI	7	0.48	3	137	15TH TSP	+6.58
C/L Special I			VOL		0.28	1	145	15TH TSP	+7.27
C/L Special I			VOL		0.49	1	134	15TH TSP	+7.70
Bobbin	31	84	WAR	27	1.44	P 4	0	3AVB	+0.00
Bobbin	31	89	ODI	3	1.11	3	138	4TH TSP	+27.34
H/L Special I			VOL		1.09	1	146	5TH TSP	-15.68
Bobbin	31	94	ADI		5.63	6	90	11TH TSP	+19.55
C/L Special I			VOL		0.66	1	62	11TH TSP	+19.53
Bobbin	31	96	ADI		3.66	6	98	4TH TSP	+14.56
H/L Special I			VOL		0.26	1	102	4TH TSP	+14.60
H/L Tubesheet	32	15	SAI		0.32	1	44	TTS-HL	+0.03
Bobbin	32	20	NQI		4.95	P 1	145	TE-HL	+16.86
H/L Tubesheet			MAI		6.44	1	23	TTS-HL	-4.43
Bobbin	32	21	ODI	4	1.71	3	137	14TH TSP	+9.12
C/L Special I			VOL		1.14	1	103	13TH TSP	-1.96
H/L Tubesheet	32	23	SAI		0.85	1	14	TTS-HL	+0.00
Bobbin	32	28	ADI		2.46	6	86	11TH TSP	+17.02
Bobbin			ADI		2.79	6	77	13TH TSP	+14.05
C/L Special I			VOL		0.52	1	52	11TH TSP	+12.14
C/L Special I			VOL		0.63	1	72	11TH TSP	+16.03
C/L Special I			VOL		0.70	1	113	12TH TSP	-7.90
C/L Special I			VOL		0.88	1	98	12TH TSP	-3.47
H/L Tubesheet	32	29	MAI		0.63	1	49	TTS-HL	+0.00
Bobbin	32	30	IDI	53	11.41	P 1	19	TE-HL	+14.34
Bobbin	32	35	IDI	86	13.35	P 1	57	TE-HL	+16.87
Bobbin			IDI	92	85.14	P 1	46	TE-HL	+14.83
H/L Tubesheet			MAI		10.42	1	38	TTS-HL	-4.64
H/L Tubesheet	32	36	SCI		0.51	1	35	TTS-HL	+0.00
Bobbin	32	43	ADI		1.03	6	88	15TH TSP	-1.33
Bobbin			ODI	5	1.29	3	137	15TH TSP	+4.29
Bobbin			ODI	11	1.59	3	133	16TH TSP	+2.23
C/L Special I			VOL		0.51	1	99	15TH TSP	+3.88
C/L Special I			VOL		0.82	1	75	16TH TSP	+1.90
Bobbin	32	52	NQI		0.60	3	140	22ND TSP	+4.04
C/L Special I			VOL		0.20	1	116	22ND TSP	+4.24
Bobbin	32	57	NQI		0.31	P 1	104	7TH TSP	+0.04
Bobbin	32	71	ODI	3	0.62	3	139	12TH TSP	+33.92
C/L Special I			VOL		0.75	1	101	11TH TSP	-10.46
Bobbin	32	97	WAR	13	0.64	P 4	0	1AVB	+0.00
H/L Tubesheet	33	25	SAI		0.67	1	40	TTS-HL	+0.00
Bobbin	33	27	ODI	3	1.94	3	138	7TH TSP	+23.88
H/L Special I			VOL		2.05	1	108	8TH TSP	-19.88
Bobbin	33	68	ODI	21	1.22	P 4	0	3AVB	+0.00
U-Bend			VOL		0.32	P 1	86	3AVB	+0.00
Bobbin	33	69	NQI		0.91	3	88	10TH TSP	+28.91
Bobbin			NQI		0.92	3	141	12TH TSP	+25.79
Bobbin			NQI		1.28	3	88	10TH TSP	+20.34
C/L Special I			VOL		1.05	1	92	9TH TSP	-15.70
C/L Special I			VOL		1.08	1	106	9TH TSP	-24.14
C/L Special I			VOL		0.34	1	125	11TH TSP	-19.11
Bobbin	33	77	NQI		6.98	P 1	140	TE-HL	+12.12
H/L Special I			MAI		4.17	1	18	TTS-HL	-9.06
H/L Tubesheet	33	93	VOL		0.62	1	111	TTS-HL	+0.87
H/L Tubesheet	34	27	SCI		0.52	1	118	TTS-HL	+0.00
Bobbin	34	29	IDI	72	10.19	P 1	23	TE-HL	+5.13
Bobbin	34	57	ODI	11	0.64	3	133	10TH TSP	+21.44
C/L Special I			SAI		0.14	1	86	9TH TSP	-22.46
Bobbin	34	58	ODI	4	0.90	3	137	22ND TSP	+10.87
Bobbin	34	82	WAR	18	0.96	P 4	0	1AVB	+0.00

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McGuire Nuclear Station - Unit Two

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12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	35	16	ADI		3.16	6	81	6TH TSP	+3.40 F/L
H/L Special I			VOL		0.60	1	105	6TH TSP	+3.73 6TH TSP
Bobbin	35	21	ADI		4.39	6	79	22ND TSP	+8.77 F/L
C/L Special I			VOL		0.60	1	116	22ND TSP	+8.77 22ND TSP
C/L Special I			VOL		0.79	1	147	22ND TSP	+12.99 22ND TSP
C/L Special I			VOL		0.79	1	158	22ND TSP	+5.51 22ND TSP
C/L Special I			VOL		0.95	1	141	22ND TSP	+6.90 22ND TSP
H/L Tubesheet	35	24	SCI		0.22	1	80	TTS-HL	-0.07 TTS-HL
Bobbin	35	35	ADI		3.77	6	91	17TH TSP	+7.33 F/L
C/L Special I			VOL		0.74	1	154	17TH TSP	+7.33 16TH TSP
Bobbin	35	49	IDI	44	5.77	P 1	103	TE-HL	+7.22 F/L
Bobbin	35	72	IDI	67	11.15	P 1	87	TE-HL	+11.92 F/L
H/L Special I			MAI		6.63	1	35	TTS-HL	-8.93 TTS-HL
Bobbin	35	75	ADI		3.64	6	83	3RD TSP	+21.83 F/L
H/L Special I			VOL		0.25	1	99	3RD TSP	+21.38 3RD TSP
Bobbin	35	79	WAR	21	1.19	P 4	0	2AVB	+0.00 F/L
Bobbin	35	83	WAR	22	1.31	P 4	0	1AVB	+0.00 F/L
Bobbin	35	84	ADI		2.85	6	76	13TH TSP	+16.12 F/L
C/L Special I			VOL		0.65	1	142	13TH TSP	+15.56 13TH TSP
Bobbin	36	23	ADI		5.66	6	69	12TH TSP	+22.28 F/L
Bobbin			ADI		7.29	6	79	12TH TSP	+30.43 F/L
C/L Special I			VOL		0.35	1	104	12TH TSP	+22.28 12TH TSP
C/L Special I			VOL		1.12	1	119	12TH TSP	+30.43 12TH TSP
H/L Tubesheet	36	24	SCI		0.47	1	49	TTS-HL	-0.08 TTS-HL
H/L Tubesheet	36	26	SAI		2.38	1	22	TTS-HL	+0.18 TTS-HL
Bobbin	36	38	ODI	6	5.13	4	144	11TH TSP	+19.45 F/L
C/L Special I			VOL		3.42	1	11	11TH TSP	+19.45 11TH TSP
Bobbin	36	44	IDI	95	6.68	P 1	39	TE-HL	+17.84 F/L
H/L Tubesheet			SAI		9.96	1	31	TTS-HL	-3.52 TTS-HL
Bobbin	36	49	ADI		2.12	6	59	3RD TSP	+7.80 F/L
Bobbin			ADI		3.08	6	45	5TH TSP	+3.41 F/L
H/L Special I			VOL		0.50	1	131	5TH TSP	+10.23 5TH TSP
H/L Special I			VOL		0.71	1	88	3PD TSP	+7.97 3RD TSP
H/L Special I			VOL		0.85	1	124	5TH TSP	+3.51 5TH TSP
Bobbin	36	63	IDI	72	12.56	P 1	80	TE-HL	+15.08 F/L
H/L Special I			MAI		8.63	1	209	TTS-HL	-6.32 TTS-HL
Bobbin	36	67	ADI		2.60	6	55	6TH TSP	+30.84 F/L
Bobbin			WAR	28	2.05	P 4	0	1AVB	+0.00 F/L
H/L Special I			VOL		0.27	1	32	7TH TSP	-13.09 7TH TSP
Bobbin	36	86	ADI		3.59	6	81	6TH TSP	+6.48 F/L
H/L Special I			VOL		0.88	1	112	6TH TSP	+6.64 6TH TSP
Bobbin	36	87	ADI		2.10	6	88	5TH TSP	+38.46 F/L
H/L Special I			VOL		0.72	1	94	6TH TSP	-5.19 6TH TSP
Bobbin	36	88	WAR	22	1.29	P 4	0	1AVB	+0.00 F/L
Bobbin	37	23	IDI	45	3.61	P 1	102	TE-HL	+2.83 F/L
H/L Tubesheet			SCI		0.77	1	34	TTS-HL	-0.07 TTS-HL
Bobbin	37	45	IDI	59	11.96	P 1	17	TE-HL	+12.36 F/L
H/L Special I			MAI		4.27	1	17	TTS-HL	-8.54 TTS-HL
H/L Tubesheet	37	46	SAI		0.64	1	28	TTS-HL	-2.32 TTS-HL
Bobbin	37	62	ADI		7.48	6	109	8TH TSP	+24.90 F/L
U-Bend			VOL		0.72	P 1	120	8TH TSP	+24.23 8TH TSP
Bobbin	37	88	NQI		0.56	3	73	18TH TSP	+14.55 F/L
C/L Special I			VOL		1.07	1	104	18TH TSP	+14.92 18TH TSP
Bobbin	37	98	NQI		0.61	P 1	101	16TH TSP	-0.32 F/L
C/L Special I			VOL		0.54	P 1	139	16TH TSP	-0.29 16TH TSP
Bobbin	38	19	ADI		7.46	6	86	14TH TSP	+9.54 F/L
C/L Special I			VOL		1.27	1	95	14TH TSP	+9.30 13TH TSP
Bobbin	38	21	ADI		4.19	6	75	10TH TSP	+21.84 F/L
C/L Special I			VOL		0.57	1	150	10TH TSP	+21.74 10TH TSP
Bobbin	38	35	IDI	81	16.38	P 1	68	TE-HL	+11.19 F/L
H/L Tubesheet	38	40	NQI		0.98	1	154	TTS-HL	-0.12 TTS-HL
Bobbin	38	45	NQI		11.69	P 1	163	TE-HL	+7.29 F/L
Bobbin			IDI	82	12.33	P 1	28	TE-HL	+10.32 F/L
Bobbin			IDI	99	22.05	P 1	36	TE-HL	+9.23 F/L
H/L Tubesheet	38	46	SAI		0.32	1	37	TTS-HL	-4.71 TTS-HL

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

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12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	38	49	ADI		2.71	6	83	5TH TSP	+16.81
Bobbin			ADI		5.18	6	92	5TH TSP	+20.40
H/L Special I			VOL		0.73	1	127	5TH TSP	+18.52
H/L Special I			VOL		0.82	1	114	5TH TSP	+16.75
H/L Special I			VOL		2.09	1	109	5TH TSP	+20.12
Bobbin	38	50	NQI		0.69	3	111	7TH TSP	+23.42
Bobbin			NQI		0.49	3	129	22ND TSP	+16.74
H/L Special I			VOL		0.71	1	84	7TH TSP	+23.26
Bobbin	38	52	NQI		8.56	P 1	164	TE-HL	+12.83
Bobbin	38	54	ADI		4.76	6	81	5TH TSP	+13.27
Bobbin	38	55	WAR	28	2.07	P 4	0	1AVB	+0.00
Bobbin	38	57	IDI	90	16.47	P 1	53	TE-HL	+14.11
H/L Special I			SAI		11.78	1	25	TTS-HL	-6.78
Bobbin	38	59	WAR	28	2.07	P 4	0	3AVB	+0.00
Bobbin	38	63	IDI	31	14.75	P 1	13	TE-HL	+8.70
H/L Special I			SAI		3.88	1	18	TTS-HL	-13.32
Bobbin	38	76	IDI	29	5.85	P 1	116	TE-HL	+14.69
Bobbin	38	91	IDI	41	9.49	P 1	108	TE-HL	+7.15
Bobbin			IDI	55	5.21	P 1	97	TE-HL	+2.45
Bobbin			IDI	74	13.46	P 1	77	TE-HL	+11.12
H/L Special I			MAI		6.15	1	36	TE-HL	+2.12
H/L Special I			MAI		6.80	1	26	TE-HL	+6.48
H/L Special I			MAI		10.33	1	33	TE-HL	+10.54
Bobbin	39	18	WAR	17	0.92	P 4	0	3AVB	+0.00
Bobbin	39	19	WAR	23	1.40	P 4	0	2AVB	+0.00
Bobbin	39	32	IDI	91	28.70	P 1	52	TE-HL	+11.37
Bobbin	39	36	NQI		5.71	P 1	25	TE-HL	+5.91
Bobbin			IDI	62	7.45	P 1	89	TE-HL	+3.62
Bobbin	39	43	WAR	15	0.80	P 4	0	1AVB	+0.00
Bobbin	39	48	ADI		3.16	6	60	10TH TSP	+11.10
C/L Special I			VOL		0.39	1	112	10TH TSP	+11.10
Bobbin	39	52	WAR	12	0.58	P 4	0	2AVB	+0.00
Bobbin			WAR	15	0.80	P 4	0	1AVB	+0.00
Bobbin	39	57	IDI	75	4.73	P 1	76	TE-HL	+9.42
Bobbin	39	63	ADI		2.26	6	88	12TH TSP	+7.13
Bobbin	39	65	WAR	17	0.75	P 4	0	1AVB	+0.00
Bobbin	39	70	WAR	15	0.62	P 4	0	4AVB	+0.00
Bobbin			WAR	25	1.35	P 4	0	1AVB	+0.00
Bobbin			WAR	27	1.50	P 4	0	2AVB	+0.00
Bobbin			WAR	31	2.07	P 4	0	3AVB	+0.00
Bobbin	39	71	WAR	37	3.42	P 4	0	2AVB	+0.00
U-Bend			VOL		1.90	P 1	7	2AVB	+0.00
Bobbin	40	24	WAR	9	0.47	P 4	0	3AVB	+0.00
Bobbin	40	27	IDI	39	14.30	P 1	12	TE-HL	+16.25
H/L Tubesheet			MAI		3.25	1	32	TTS-HL	-6.02
H/L Special I			MAI		2.80	1	27	TTS-HL	-4.50
Bobbin	40	29	NQI		3.81	P 1	146	TE-CL	+14.48
Bobbin	40	32	WAR	35	3.32	P 4	0	2AVB	+0.00
Bobbin			WAR	36	3.75	P 4	0	3AVB	+0.00
U-Bend			VOL		1.03	P 1	97	2AVB	+0.00
U-Bend			VOL		1.06	P 1	98	3AVB	+0.00
Bobbin	40	36	NQI		0.53	3	135	12TH TSP	+1.29
Bobbin			WAR	24	1.54	P 4	0	2AVB	+0.00
C/L Special I			VOL		0.68	1	134	12TH TSP	+1.26
Bobbin	40	42	WAR	18	1.00	P 4	0	1AVB	+0.00
Bobbin	40	48	NQI		0.88	3	108	1ST TSP	+13.07
H/L Special I			VOL		1.29	1	121	2ND TSP	-8.80
H/L Special I			VOL		1.32	1	111	2ND TSP	-7.04
Bobbin	40	63	IDI	76	11.21	P 1	26	TE-HL	+15.33
Bobbin	40	70	WAR	24	1.24	P 4	0	3AVB	+0.00
Bobbin			WAR	35	2.79	P 4	0	2AVB	+0.00
U-Bend			VOL		0.72	P 1	31	1AVB	+0.00
U-Bend			VOL		1.01	P 1	14	3AVB	+0.00
U-Bend			VOL		1.60	P 1	4	2AVB	+0.00
Bobbin	41	47	NQI		0.46	3	83	4TH TSP	+10.88

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:50:45

McGuire Nuclear Station - Unit Two

S/G A

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					VOL	0.60	1	97 4TH TSP	+10.58
Bobbin	41	51	WAR	17	0.95	P 4	0	1AVB	+0.00
Bobbin	41	55	WAR	29	2.20	P 4	0	1AVB	+0.00
Bobbin	41	74	WAR	22	1.43	P 4	0	1AVB	+0.00
Bobbin	41	75	ODI	91	9.52	P 1	31	TE-HL	+6.53
Bobbin	41	78	ODI	8	2.50	3	135	4TH TSP	+16.83
Bobbin			WAR	19	1.22	P 4	0	1AVB	+0.00
H/L Special I					VOL	2.19	1	111 4TH TSP	+17.02
Bobbin	41	88	IDI	79	12.95	P 1	27	TE-HL	+13.23
H/L Special I					SAI	4.92	1	24 TTS-HL	-7.64
H/L Tubesheet	42	40	SAI		0.71	1	32	TTS-HL	+0.00
Bobbin	42	62	WAR	25	1.71	P 4	0	1AVB	+0.00
Bobbin	42	76	IDI	86	8.23	P 1	32	TE-HL	+7.85
Bobbin	42	78	WAR	25	1.64	P 4	0	1AVB	+0.00
Bobbin	43	46	WAR	19	0.99	P 4	0	1AVB	+0.00
Bobbin	43	51	ADI		1.79	6	77	22ND TSP	+12.17
C/L Special I					VOL	0.64	1	28 22ND TSP	+12.17
H/L Tubesheet	43	65	SAI		0.59	1	24	TTS-HL	+0.00
Bobbin	43	68	NQI		16.62	P 1	28	TE-HL	+13.38
Bobbin	44	31	NQI		0.71	3	92	15TH TSP	+8.46
C/L Special I					VOL	0.83	1	123 15TH TSP	+8.51
Bobbin	44	56	NQI		0.93	P 1	118	9TH TSP	-0.50
C/L Special I					VOL	0.19	P 1	33 9TH TSP	-0.57
Bobbin	44	57	IDI	90	37.15	P 1	50	TE-HL	+14.05
Bobbin	44	61	IDI	70	13.65	P 1	26	TE-HL	+10.21
Bobbin			IDI	72	24.38	P 1	81	TE-HL	+8.33
Bobbin	44	63	IDI	73	21.34	P 1	27	TE-HL	+7.59
Bobbin	45	28	ODI	12	4.10	4	140	10TH TSP	+28.85
C/L Special I					VOL	0.28	1	70 10TH TSP	+31.83
C/L Special I					VOL	1.45	1	118 10TH TSP	+28.31
Bobbin	45	31	IDI	33	10.35	P 1	10	TE-HL	+17.17
H/L Special I					SAI	1.13	1	15 TTS-HL	-3.71
Bobbin	45	51	IDI	94	64.19	P 1	42	TE-HL	+14.38
Bobbin	46	47	NQI		0.69	3	111	5TH TSP	+29.79
H/L Special I					VOL	0.42	1	107 6TH TSP	-14.48
Bobbin	47	57	NQI		11.17	P 1	20	TE-HL	+7.57
Bobbin	47	66	ADI		4.83	6	88	3RD TSP	+17.04
H/L Special I					VOL	1.09	1	118 3RD TSP	+17.48
Bobbin	47	87	NQI		0.31	P 1	73	3RD TSP	+0.05
Bobbin	48	53	NQI		0.54	3	113	11TH TSP	+28.28
C/L Special I					VOL	0.94	1	112 11TH TSP	+28.36
H/L Tubesheet	49	41	VOL		0.52	1	110	TTS-HL	-0.09
Bobbin	49	64	ODI	8	1.08	3	136	5TH TSP	+16.57
H/L Special I					VOL	0.94	1	114 5TH TSP	+16.48
Bobbin	49	65	ADI		4.75	6	87	12TH TSP	+35.52
C/L Special I					VOL	0.80	1	107 11TH TSP	-9.64
Bobbin	49	71	IDI	63	16.01	P 1	22	TE-HL	+4.80
Bobbin	49	74	WAR	10	2.53	P 2	0	15TH TSP	+0.00

Total Indications Found = 763

Total Tubes Found = 408



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	2	46	IDI	40	12.05	P	1	24 TE-HL	+12.27
H/L Special I			SAI		3.98	1		26 TTS-HL	-8.78
H/L Tubesheet	2	51	SAI		1.08	1		59 TTS-HL	-0.04
H/L Tubesheet	2	54	SAI		1.25	1		45 TTS-HL	-0.09
H/L Tubesheet	2	106	SAI		1.56	1		28 TTS-HL	+0.01
H/L Tubesheet	2	108	MAI		1.66	1		21 TTS-HL	-0.04
Bobbin	3	13	NQI		0.55	P	1	58 5TH TSP	-0.07
H/L Special I			SAI		0.75	1		36 5TH TSP	-0.01
Bobbin	3	16	ODI	14	5.08	3		133 10TH TSP	+1.75
C/L Special I			VOL		1.62	1		100 10TH TSP	+2.32
H/L Tubesheet	3	85	SAI		0.92	1		30 TTS-HL	+0.16
Bobbin	3	86	ADI		4.83	6		87 12TH TSP	+5.59
C/L Special I			VOL		0.67	1		125 12TH TSP	+14.61
C/L Special I			VOL		0.97	1		107 12TH TSP	+3.09
C/L Special I			VOL		1.02	1		115 12TH TSP	+5.14
Bobbin	3	107	ADI		4.38	6		78 1ST TSP	+5.72
Bobbin	4	12	ODI	12	1.94	4		152 13TH TSP	+4.75
H/L Tubesheet	4	18	VOL		0.64	1		152 TTS-HL	+0.50
H/L Tubesheet			VOL		1.28	1		144 TTS-HL	+2.24
Bobbin	4	20	ADI		7.42	6		51 4TH TSP	+9.55
Bobbin			ODI	8	2.55	4		133 4TH TSP	+25.51
H/L Special I			VOL		0.84	1		131 4TH TSP	+5.35
H/L Special I			VOL		1.32	1		140 4TH TSP	+9.29
H/L Special I			VOL		2.28	1		125 4TH TSP	+25.58
Bobbin	4	23	ODI	4	1.71	3		149 5TH TSP	+39.76
Bobbin			ADI		6.24	6		78 12TH TSP	+39.33
H/L Special I			VOL		1.52	1		158 6TH TSP	-4.53
C/L Special I			VOL		0.68	1		43 11TH TSP	-5.21
Bobbin	4	37	IDI	50	15.76	P	1	18 TE-HL	+3.71
H/L Tubesheet	4	51	SAI		1.88	1		16 TTS-HL	-0.17
Bobbin	4	65	NQI		3.09	3		161 4TH TSP	+29.18
Bobbin	4	73	IDI	50	11.87	P	1	15 TE-HL	+15.07
H/L Special I			MAI		0.46	1		16 TE-HL	+14.29
Bobbin	4	97	ADI		9.27	6		80 2ND TSP	+22.14
H/L Special I			VOL		1.28	1		131 3RD TSP	-2.18
Bobbin	5	42	IDI	33	10.50	P	1	12 TE-HL	+17.53
H/L Tubesheet			MAI		0.52	1		24 TTS-HL	-3.09
Bobbin	5	70	IDI	98	27.30	P	1	53 TE-HL	+4.10
H/L Tubesheet			SAI		0.26	1		25 TTS-HL	+0.00
Bobbin	5	95	ODI	16	0.70	3		132 6TH TSP	+21.71
H/L Special I			VOL		0.27	1		82 6TH TSP	+21.72
C/L Special I	5	98	VOL		0.38	1		93 14TH TSP	+2.03
C/L Special I			VOL		0.45	1		115 14TH TSP	+3.51
C/L Special I			VOL		0.51	1		59 14TH TSP	+0.51
Bobbin	5	113	IDI	27	8.18	P	1	10 TE-HL	+15.95
Bobbin	6	42	ADI		2.86	6		56 12TH TSP	+22.95
Bobbin			ADI		4.22	6		59 12TH TSP	+35.85
Bobbin			ODI	15	0.76	3		134 12TH TSP	+19.46
C/L Special I			VOL		0.37	1		34 11TH TSP	-14.18
C/L Special I			VOL		0.47	1		36 11TH TSP	-9.66
C/L Special I			VOL		0.69	1		22 11TH TSP	-17.86
C/L Special I			VOL		0.89	1		22 11TH TSP	-24.24
C/L Special I			VOL		0.91	1		31 11TH TSP	-22.07
Bobbin	6	45	ADI		2.56	6		68 11TH TSP	+24.23
Bobbin			ODI	14	1.87	4		135 10TH TSP	+25.53
Bobbin			ODI	15	0.88	3		134 10TH TSP	+5.81
Bobbin			ODI	30	0.62	3		119 10TH TSP	+17.74
C/L Special I			VOL		0.90	1		136 9TH TSP	-18.58
C/L Special I			VOL		1.18	1		143 9TH TSP	-20.64
C/L Special I			VOL		0.56	1		132 10TH TSP	-20.83
C/L Special I			VOL		1.01	1		29 10TH TSP	+19.05
Bobbin	6	46	NQI		1.19	3		110 17TH TSP	+5.50
H/L Tubesheet	6	54	MAI		1.24	1		36 TTS-HL	-3.00
H/L Tubesheet			SAI		0.63	1		21 TTS-HL	-0.04
Bobbin	6	69	IDI	58	8.86	P	1	19 TE-HL	+8.81



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/54 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	6	70	IDI	67	13.55	P	1	22 TE-HL	+7.63 F/L
H/L Special I			MAI		1.46	1	18 TE-HL	+7.08 TTS-HL	
Bobbin	6	77	IDI	45	10.10	P	1	15 TE-HL	+6.59 F/L
Bobbin	6	82	ODI	11	1.37	4	144 12TH TSP	+27.71 F/L	
C/L Special I			VOL		0.64	1	103 11TH TSP	-17.25 11TH TSP	
Bobbin	6	104	ADI		3.05	6	85 TTS-CL	+4.67 F/L	
H/L Tubesheet	6	109	VOL		1.14	1	161 TTS-HL	+2.16 TTS-HL	
Bobbin	7	4	NQI		0.60	P	1	51 5TH TSP	+0.03 F/L
H/L Special I			SAI		0.47	1	11 5TH TSP	-0.10 5TH TSP	
Bobbin	7	12	NQI		7.36	P	1	18 TTS-HL	-1.17 F/L
Bobbin	7	52	NQI		0.30	3	124 6TH TSP	+10.76 F/L	
Bobbin	7	56	NQI		13.62	P	1	168 TE-HL	+12.20 F/L
Bobbin	7	67	ODI	10	0.67	3	139 3RD TSP	+30.26 F/L	
H/L Tubesheet	7	76	VOL		1.54	1	156 TTS-HL	+0.64 TTS-HL	
Bobbin	7	91	ODI	17	2.92	4	139 5TH TSP	+15.23 F/L	
H/L Special I			VOL		1.16	1	115 5TH TSP	+14.93 5TH TSP	
Bobbin	7	94	IDI	42	7.27	P	1	106 TE-HL	+11.29 F/L
Bobbin			IDI	50	7.58	P	1	16 TE-HL	+12.49 F/L
H/L Special I			MAI		1.49	1	27 TE-HL	+11.93 TTS-HL	
H/L Special I			SAI		5.44	1	48 TE-HL	+10.56 TTS-HL	
H/L Tubesheet	7	96	SAI		0.80	1	41 TTS-HL	+0.00 TTS-HL	
Bobbin	7	97	IDI	73	15.59	P	1	24 TE-HL	+3.04 F/L
Bobbin	8	56	ODI	4	1.26	3	145 22ND TSP	+13.11 F/L	
Bobbin			ODI	22	1.22	3	127 22ND TSP	+9.20 F/L	
C/L Special I			VOL		2.08	1	132 22ND TSP	+9.54 22ND TSP	
Bobbin	8	74	ODI	11	1.40	4	140 3RD TSP	+10.34 F/L	
H/L Special I			VOL		0.66	1	54 3RD TSP	+10.42 3RD TSP	
Bobbin	8	78	ODI	15	1.98	3	134 4TH TSP	+15.56 F/L	
H/L Special I			VOL		2.00	1	118 4TH TSP	+15.59 4TH TSP	
H/L Tubesheet	8	86	SAI		0.41	1	66 TTS-HL	+0.00 TTS-HL	
H/L Tubesheet	8	87	SAI		1.25	1	9 TTS-HL	-0.07 TTS-HL	
Bobbin	8	93	ADI		3.59	6	65 1ST TSP	+5.12 F/L	
H/L Special I			VOL		0.30	1	125 1ST TSP	+5.37 1ST TSP	
Bobbin	8	104	ADI		4.78	6	48 1ST TSP	+7.25 F/L	
Bobbin			NQI		10.70	P	1	155 TE-HL	+7.60 F/L
Bobbin			ODI	12	1.91	4	141 1ST TSP	+9.02 F/L	
H/L Special I			MAI		4.95	1	14 TE-HL	+7.21 TTS-HL	
H/L Special I			VOL		0.80	1	129 2ND TSP	-13.27 2ND TSP	
H/L Special I			VOL		1.17	1	149 2ND TSP	-11.71 2ND TSP	
Bobbin	8	106	ODI	23	0.80	4	130 3RD TSP	+31.67 F/L	
Bobbin	8	109	ADI		4.72	6	81 4TH TSP	+2.06 F/L	
H/L Special I			VOL		0.89	1	123 4TH TSP	+2.43 4TH TSP	
Bobbin	9	5	ADI		3.04	6	96 5TH TSP	+23.03 F/L	
Bobbin	9	7	ADI		7.04	6	81 10TH TSP	+10.89 F/L	
Bobbin			ODI	6	1.71	3	140 15TH TSP	+1.52 F/L	
C/L Special I			VOL		0.83	1	123 10TH TSP	+9.56 10TH TSP	
C/L Special I			VOL		1.36	1	111 15TH TSP	+1.87 15TH TSP	
Bobbin	9	9	NQI		0.70	3	110 12TH TSP	+40.21 F/L	
C/L Special I			VOL		1.47	1	147 11TH TSP	-3.60 11TH TSP	
Bobbin	9	34	ODI	14	1.70	3	132 22ND TSP	+3.21 F/L	
Bobbin	9	56	NQI		0.49	3	117 12TH TSP	+34.29 F/L	
Bobbin	9	75	ADI		4.26	6	68 3RD TSP	+10.16 F/L	
Bobbin			ADI		2.98	6	61 10TH TSP	+35.89 F/L	
Bobbin			ODI	20	0.58	4	133 10TH TSP	+42.11 F/L	
H/L Special I			VOL		0.90	1	114 3RD TSP	+9.45 3RD TSP	
C/L Special I			VOL		0.10	1	138 10TH TSP	+41.94 10TH TSP	
C/L Special I			VOL		0.72	1	158 10TH TSP	+35.33 10TH TSP	
H/L Tubesheet	9	76	SAI		1.15	1	19 TTS-HL	+0.13 TTS-HL	
H/L Tubesheet	9	84	SAI		0.63	1	32 TTS-HL	+0.00 TTS-HL	
Bobbin	9	91	NQI		0.55	3	129 4TH TSP	+12.86 F/L	
H/L Tubesheet			SAI		0.67	1	35 TTS-HL	+0.06 TTS-HL	
H/L Special I			VOL		0.75	1	38 4TH TSP	+12.89 4TH TSP	
Bobbin	9	92	ODI	13	1.86	4	140 TTS-CL	+4.57 F/L	
C/L Special I			VOL		0.88	1	135 TTS-CL	+3.69 22ND TSP	
Bobbin	9	98	NQI		0.95	3	113 1ST TSP	+7.25 F/L	

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23  
 McGuire Nuclear Station - Unit Two  
 S/G B  
 12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					1.49	1	167	1ST TSP	+6.97
Bobbin	9	104	ADI		3.66	6	50	2ND TSP	+16.69
Bobbin			ODI	15	1.66	4	138	3RD TSP	+21.09
Bobbin			ODI	19	1.43	4	134	3RD TSP	+30.22
H/L Special I			VOL		0.25	1	167	2ND TSP	+16.65
H/L Special I			VOL		0.95	1	138	3RD TSP	+20.74
H/L Special I			VOL		1.23	1	160	3RD TSP	+29.97
Bobbin	9	108	IDI	57	14.13	P 1	78	TE-HL	+14.92
Bobbin	10	6	ODI	12	0.94	3	137	20TH TSP	+5.22
C/L Special I			VOL		0.68	1	105	20TH TSP	+4.86
Bobbin	10	14	NQI		0.45	P 1	93	2ND TSP	+0.11
H/L Special I			SAI		0.41	1	32	2ND TSP	+0.06
Bobbin	10	24	ODI	5	1.73	3	144	TTS-CL	+6.78
C/L Special I			VOL		0.49	1	142	TTS-CL	+6.57
Bobbin	10	34	ADI		2.59	6	99	5TH TSP	+19.66
Bobbin	10	59	NQI		0.58	3	108	2ND TSP	-1.30
Bobbin			IDI	94	42.65	P 1	31	TE-HL	+12.34
H/L Tubesheet			SAI		1.06	1	15	TTS-HL	+0.00
Bobbin	10	60	ODI	17	0.67	3	132	12TH TSP	+7.96
C/L Special I			VOL		0.73	1	124	12TH TSP	+7.81
Bobbin	10	64	ODI	4	1.71	3	145	3RD TSP	+10.59
H/L Special I			VOL		0.59	1	81	3RD TSP	+9.95
Bobbin	10	67	IDI	99	10.40	P 1	25	TE-HL	+2.81
Bobbin	10	70	ODI	20	1.15	4	133	1ST TSP	+4.41
H/L Special I			VOL		0.93	1	155	1ST TSP	+3.85
Bobbin	10	79	ODI	6	1.78	3	143	7TH TSP	+11.07
H/L Special I			VOL		0.74	1	125	7TH TSP	+10.96
Bobbin	10	80	ODI	15	0.67	3	134	22ND TSP	+8.90
Bobbin	10	82	NQI		0.56	P 1	58	3RD TSP	+0.08
H/L Special I			SAI		0.39	P 1	154	3RD TSP	+0.03
Bobbin	10	96	ADI		4.60	6	52	4TH TSP	+12.59
H/L Special I			VOL		1.10	1	91	4TH TSP	+13.08
H/L Special I			VOL		1.39	1	127	4TH TSP	+8.88
Bobbin	10	98	ODI	10	2.21	3	139	4TH TSP	+29.94
H/L Special I			VOL		0.85	1	115	5TH TSP	-13.64
Bobbin	10	113	ADI		2.18	6	33	12TH TSP	+3.77
Bobbin			NQI		0.44	3	100	12TH TSP	+7.80
C/L Special I			VOL		0.18	1	51	12TH TSP	+8.18
C/L Special I			VOL		0.27	1	85	12TH TSP	+3.72
Bobbin	11	4	ADI		2.06	6	81	18TH TSP	+7.19
C/L Special I			VOL		0.32	1	128	18TH TSP	+6.81
C/L Special I			VOL		0.37	1	128	18TH TSP	+3.43
Bobbin	11	7	NQI		1.77	3	147	18TH TSP	+12.87
C/L Special I			VOL		0.81	1	102	18TH TSP	+12.65
Bobbin	11	19	NQI		0.84	P 1	36	2ND TSP	+0.00
H/L Special I			SAI		0.57	1	42	2ND TSP	+0.01
Bobbin	11	22	NQI		0.67	3	107	18TH TSP	+3.28
C/L Special I			VOL		1.63	1	89	18TH TSP	+3.33
Bobbin	11	25	ODI	11	0.40	3	133	11TH TSP	+24.21
C/L Special I			VOL		0.17	1	107	11TH TSP	+23.45
Bobbin	11	29	ODI	4	1.54	3	139	1ST TSP	+3.47
H/L Special I			VOL		0.88	1	108	1ST TSP	+3.26
Bobbin	11	48	IDI	65	13.86	P 1	84	TE-HL	+4.65
Bobbin	11	52	ODI	13	1.49	3	132	11TH TSP	+18.20
C/L Special I			VOL		1.52	1	150	11TH TSP	+18.38
Bobbin	11	58	IDI	56	6.75	P 1	18	TE-HL	+16.13
H/L Special I			SAI		0.53	1	54	TE-HL	+15.42
Bobbin	11	70	NQI		7.16	P 1	161	TE-HL	+16.84
H/L Tubesheet			MAI		3.13	1	21	TTS-HL	-4.39
Bobbin	11	77	IDI	69	14.01	P 1	82	TE-HL	+10.12
H/L Special I			MAI		7.76	1	40	TE-HL	+9.83
Bobbin	11	79	ADI		4.43	6	70	10TH TSP	+24.58
C/L Special I			VOL		0.92	1	113	9TH TSP	-19.58
Bobbin	11	82	ODI	26	0.83	3	122	6TH TSP	+37.97
H/L Special I			VOL		0.56	1	136	7TH TSP	-6.23

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	11	86	NQI		1.52	P	1	37 TE-HL	+4.96 F/L
Bobbin	11	87	ADI		2.88	6		83 14TH TSP	+5.69 F/L
Bobbin			ODI	10	0.54	3		138 4TH TSP	-3.94 F/L
Bobbin			ODI	32	0.45	3		116 11TH TSP	+14.31 F/L
C/L Special I			VOL		0.10	1		94 11TH TSP	+15.27 11TH TSP
C/L Special I			VOL		0.17	1		98 14TH TSP	+5.69 13TH TSP
Bobbin	11	89	ODI	34	1.59	3		114 11TH TSP	-1.51 F/L
C/L Special I			VOL		1.36	1		113 11TH TSP	-1.38 11TH TSP
Bobbin	11	90	NQI		0.66	3		117 6TH TSP	+38.55 F/L
Bobbin			ODI	28	0.84	3		120 6TH TSP	+40.22 F/L
H/L Special I			VOL		0.21	1		78 7TH TSP	-3.64 7TH TSP
Bobbin	11	92	NQI		0.86	3		147 6TH TSP	+31.59 F/L
Bobbin			ODI	4	0.93	3		144 4TH TSP	+20.62 F/L
Bobbin	11	99	ADI		3.24	6		50 5TH TSP	+32.22 F/L
Bobbin			ODI	22	0.47	3		126 12TH TSP	+39.16 F/L
C/L Special I			VOL		0.72	1		107 11TH TSP	-4.87 11TH TSP
Bobbin	12	40	NQI		1.29	3		98 11TH TSP	+28.60 F/L
C/L Special I			VOL		2.35	1		127 10TH TSP	-15.56 10TH TSP
Bobbin	12	45	ODI	23	1.18	3		123 7TH TSP	+22.44 F/L
H/L Special I			VOL		0.46	1		116 8TH TSP	-20.56 8TH TSP
H/L Special I			VOL		0.48	1		121 8TH TSP	-22.43 8TH TSP
Bobbin	12	48	ODI	21	0.85	3		125 4TH TSP	+8.75 F/L
H/L Special I			VOL		0.66	1		114 4TH TSP	+8.33 4TH TSP
Bobbin	12	56	NQI		0.48	3		86 13TH TSP	+18.46 F/L
Bobbin	12	58	NQI		0.49	3		117 18TH TSP	+8.05 F/L
C/L Special I			VOL		0.10	1		101 18TH TSP	+8.63 18TH TSP
Bobbin	12	74	ADI		2.75	6		74 11TH TSP	+31.82 F/L
C/L Special I			VOL		0.18	1		104 11TH TSP	+30.91 10TH TSP
Bobbin	12	75	IDI	64	11.98	P	1	88 TE-HL	+9.26 F/L
H/L Special I			MAI		6.70	1		26 TE-HL	+8.02 TTS-HL
Bobbin	12	96	ODI	11	0.51	P	1	139 3RD TSP	+0.28 F/L
H/L Tubesheet	12	104	MAI		0.31	1		53 TTS-HL	-2.86 TTS-HL
Bobbin	12	106	NQI		0.43	P	1	97 2ND TSP	-0.15 F/L
H/L Special I			SAI		0.47	P	1	168 2ND TSP	-0.03 2ND TSP
Bobbin	12	112	IDI	48	20.54	P	1	106 TE-HL	+15.75 F/L
H/L Special I			MAI		6.88	1		21 TE-HL	+15.50 TTS-HL
Bobbin	13	38	NQI		1.86	P	1	126 TE-HL	+12.19 F/L
Bobbin	13	44	NQI		0.50	3		43 4TH TSP	+36.66 F/L
Bobbin	13	53	NQI		0.79	3		109 18TH TSP	+8.06 F/L
C/L Special I			VOL		0.54	1		90 18TH TSP	+8.82 18TH TSP
Bobbin	13	62	NQI		0.33	P	1	48 2ND TSP	-0.03 F/L
H/L Special I			SAI		0.28	1		59 2ND TSP	-0.08 2ND TSP
Bobbin	13	67	ADI		6.54	6		70 4TH TSP	+15.49 F/L
H/L Special I			VOL		1.38	1		122 4TH TSP	+14.28 4TH TSP
Bobbin	13	96	IDI	61	10.27	P	1	92 TE-HL	+6.32 F/L
Bobbin			IDI	71	24.33	P	1	80 TE-HL	+9.04 F/L
H/L Tubesheet			SAI		0.71	1		37 TTS-HL	+0.00 TTS-HL
Bobbin	14	5	ODI	55	0.76	3		96 13TH TSP	+9.72 F/L
C/L Special I			VOL		0.23	1		111 13TH TSP	+8.88 13TH TSP
Bobbin	14	14	ADI		3.96	6		68 12TH TSP	+30.90 F/L
Bobbin			ADI		4.46	6		68 20TH TSP	+4.36 F/L
Bobbin			IDI	42	7.16	P	1	18 TE-HL	+18.40 F/L
C/L Special I			VOL		0.70	1		96 11TH TSP	-13.18 11TH TSP
C/L Special I			VOL		0.84	1		90 20TH TSP	+3.79 19TH TSP
Bobbin	14	20	NQI		0.55	P	1	47 4TH TSP	-0.03 F/L
H/L Special I			SAI		0.28	1		12 4TH TSP	-0.13 4TH TSP
Bobbin	14	34	ADI		7.27	6		84 11TH TSP	+5.95 F/L
C/L Special I			VOL		0.68	1		62 11TH TSP	+5.43 11TH TSP
Bobbin	14	35	NQI		0.50	3		49 16TH TSP	+8.99 F/L
Bobbin	14	41	ADI		6.11	6		97 5TH TSP	+17.85 F/L
H/L Special I			VOL		0.79	1		90 6TH TSP	-26.35 6TH TSP
Bobbin	14	44	IDI	40	11.25	P	1	165 TE-HL	+16.58 F/L
Bobbin	14	46	ADI		5.53	6		79 17TH TSP	+7.08 F/L
C/L Special I			VOL		0.77	1		119 17TH TSP	+6.49 16TH TSP
Bobbin	14	66	NQI		0.56	3		86 17TH TSP	-4.23 F/L

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Tubesheet	14	104	SAI		0.74	1	20	TTS-HL	-1.11
H/L Tubesheet	14	107	SAI		2.18	2	27	TTS-HL	-0.06
Bobbin	15	11	NQI		0.81	3	39	TTS-HL	+2.28
Bobbin	15	27	ADI		4.10	6	104	6TH TSP	+9.86
H/L Special I			VOL		1.02	1	119	6TH TSP	+10.62
Bobbin	15	39	ADI		2.38	6	101	22ND TSP	+13.73
Bobbin			NQI		10.84	P 1	23	TE-CL	+8.88
Bobbin	15	44	ADI		2.06	6	143	3RD TSP	+27.88
Bobbin	15	52	ADI		5.36	6	102	11TH TSP	+16.41
C/L Special I			VOL		0.78	1	66	11TH TSP	+16.42
Bobbin	15	54	ADI		7.38	6	67	3RD TSP	+8.98
H/L Special I			VOL		1.21	1	154	3RD TSP	+9.62
Bobbin	15	64	IDI	84	12.82	P 1	31	TE-HL	+18.26
H/L Tubesheet			MAI		2.39	1	33	TTS-HL	-3.48
H/L Special I			MAI		2.26	1	30	TTS-HL	-2.23
Bobbin	15	73	ODI	10	0.56	P 1	141	3RD TSP	+0.16
H/L Special I			SAI		0.20	1	39	3RD TSP	-0.02
Bobbin	15	76	ODI	6	1.81	3	148	6TH TSP	+29.78
H/L Special I			VOL		0.65	1	94	7TH TSP	-11.41
H/L Special I			VOL		0.74	1	101	7TH TSP	-10.10
H/L Special I			VOL		1.29	1	106	7TH TSP	-13.13
Bobbin	15	79	ODI	23	0.41	3	129	5TH TSP	+9.90
Bobbin	15	102	NQI		1.03	3	103	15TH TSP	+3.61
C/L Special I			VOL		0.82	1	116	15TH TSP	+3.57
Bobbin	15	105	ODI	18	1.65	3	134	4TH TSP	+22.32
H/L Special I			VOL		0.60	1	67	4TH TSP	+22.34
Bobbin	15	110	NQI		0.41	P 1	107	3RD TSP	-0.19
Bobbin	16	9	NQI		0.75	3	102	7TH TSP	+6.31
H/L Special I			VOL		0.80	1	145	7TH TSP	+6.47
Bobbin	16	12	ADI		2.80	6	51	12TH TSP	+10.06
C/L Special I			VOL		0.19	1	81	12TH TSP	+8.97
C/L Special I			VOL		0.41	1	76	12TH TSP	+2.97
Bobbin	16	13	ADI		3.24	6	89	15TH TSP	+7.04
Bobbin			NQI		0.50	3	61	13TH TSP	+5.61
C/L Special I			VOL		0.28	1	99	15TH TSP	+6.36
C/L Special I			VOL		0.36	1	46	13TH TSP	+5.42
Bobbin	16	14	NQI		0.81	3	123	13TH TSP	+2.83
Bobbin	16	17	ADI		3.77	6	74	TTS-CL	+5.09
Bobbin			ODI	31	2.52	4	138	22ND TSP	+7.72
Bobbin			NQI		6.26	P 1	24	TE-CL	+4.24
Bobbin	16	23	NQI		0.32	3	104	10TH TSP	+34.40
C/L Special I			VOL		0.62	1	128	9TH TSP	-9.93
Bobbin	16	38	NQI		1.57	3	97	16TH TSP	+1.50
Bobbin	16	51	NQI		1.33	3	133	12TH TSP	+20.13
Bobbin	16	57	IDI	42	8.82	P 1	14	TE-HL	+4.87
Bobbin	16	59	IDI	68	17.32	P 1	25	TE-HL	+8.94
H/L Special I			MAI		1.38	1	19	TTS-HL	-11.57
H/L Special I			MAI		6.46	1	26	TTS-HL	-18.34
Bobbin	16	76	IDI	70	11.35	P 1	26	TE-HL	+6.69
H/L Special I			SAI		3.77	1	19	TE-HL	+6.03
Bobbin	16	97	IDI	67	10.35	P 1	22	TE-HL	+3.01
H/L Special I			MAI		3.08	1	16	TE-HL	+2.56
Bobbin	17	11	ADI		7.83	6	87	5TH TSP	+30.92
H/L Special I			VOL		1.89	1	104	6TH TSP	-12.95
Bobbin	17	14	NQI		0.50	3	123	12TH TSP	+26.71
C/L Special I			SAI		0.11	1	117	12TH TSP	+26.85
Bobbin	17	28	NQI		0.56	3	77	5TH TSP	+18.24
H/L Special I			NQI		0.40	1	40	5TH TSP	+18.13
Bobbin	17	45	NQI		4.31	P 1	23	TE-HL	+7.85
Bobbin	17	50	ODI	26	0.61	3	122	19TH TSP	+3.40
Bobbin			IDI	89	2.63	P 1	49	TE-HL	+5.70
C/L Special I			SAI		0.18	1	119	19TH TSP	+3.40
C/L Special I			VOL		0.15	P 1	28	18TH TSP	+0.04
Bobbin	17	61	IDI	24	16.58	P 1	6	TE-HL	+10.14
H/L Special I			MAI		0.34	1	33	TE-HL	+9.97



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I			MAI		3.74	1	42	TE-HL	+6.39
Bobbin	17	74	IDI	78	6.08	P 1	56	TE-HL	+16.98
H/L Tubesheet	17	79	SCI		0.78	1	20	TTS-HL	-0.28
Bobbin	17	109	IDI	21	6.01	P 1	126	TE-HL	+13.93
H/L Special I			SAI		4.27	1	27	TTS-HL	-6.80
Bobbin	18	8	NQI		0.68	3	122	12TH TSP	-1.44
C/L Special I			VOL		0.54	1	110	12TH TSP	-1.71
Bobbin	18	13	NQI		0.46	3	52	2ND TSP	+5.24
Bobbin	18	14	NQI		0.52	3	94	18TH TSP	+1.31
C/L Special I			VOL		0.49	1	104	18TH TSP	+1.53
C/L Special I			VOL		0.15	P 1	113	18TH TSP	+0.13
Bobbin	18	18	NQI		0.34	3	57	11TH TSP	+16.05
C/L Special I			VOL		0.62	1	123	11TH TSP	+16.06
Bobbin	18	69	NQI		0.38	P 1	66	4TH TSP	+0.03
H/L Special I			SAI		0.60	1	61	4TH TSP	+0.00
Bobbin	18	71	IDI	48	11.74	P 1	12	TE-HL	+17.33
H/L Tubesheet			MAI		7.66	1	32	TTS-HL	-4.51
Bobbin	18	103	IDI	79	21.66	P 1	55	TE-HL	+18.06
H/L Tubesheet			MAI		9.78	1	30	TTS-HL	-3.72
H/L Special I			MAI		11.44	1	24	TE-HL	+17.28
Bobbin	19	6	ADI		7.67	6	59	6TH TSP	+38.64
Bobbin			ADI		3.03	6	59	13TH TSP	+14.75
Bobbin			ADI		4.83	6	65	12TH TSP	+21.06
Bobbin			ADI		6.09	6	68	12TH TSP	+3.94
Bobbin			NQI		0.45	3	35	12TH TSP	+14.41
H/L Special I			VOL		1.62	1	123	7TH TSP	-5.79
C/L Special I			VOL		0.35	1	106	12TH TSP	-6.18
C/L Special I			VOL		0.38	1	121	12TH TSP	+13.05
C/L Special I			VOL		0.41	1	107	12TH TSP	+11.34
C/L Special I			VOL		0.64	1	112	12TH TSP	+19.83
C/L Special I			VOL		0.66	1	113	12TH TSP	+24.18
C/L Special I			VOL		0.71	1	113	12TH TSP	+14.23
C/L Special I			VOL		0.84	1	93	12TH TSP	+3.41
C/L Special I			VOL		0.85	1	103	12TH TSP	+3.85
C/L Special I			VOL		0.90	1	113	12TH TSP	+23.12
C/L Special I			VOL		1.18	1	101	12TH TSP	+21.51
C/L Special I			VOL		1.69	1	95	12TH TSP	+5.98
Bobbin	19	8	ODI	23	0.50	3	126	11TH TSP	+1.57
C/L Special I			VOL		0.71	1	148	11TH TSP	+1.57
Bobbin	19	10	ADI		3.74	6	68	4TH TSP	+35.80
H/L Special I			VOL		0.64	1	86	5TH TSP	-7.97
Bobbin	19	12	NQI		2.98	P 1	64	TE-HL	+14.62
Bobbin	19	15	ADI		1.81	6	63	13TH TSP	+15.31
C/L Special I			VOL		0.37	1	121	12TH TSP	-7.02
Bobbin	19	23	NQI		2.66	P 1	93	TE-HL	+11.19
Bobbin	19	28	ADI		2.93	6	48	22ND TSP	+5.10
C/L Special I			VOL		0.57	1	99	22ND TSP	+4.81
Bobbin	19	33	NQI		7.33	P 1	19	TE-HL	+19.32
Bobbin	19	46	ADI		4.69	6	70	10TH TSP	+17.08
C/L Special I			VOL		0.44	1	130	10TH TSP	+16.90
Bobbin	19	50	NQI		0.75	3	141	14TH TSP	+1.88
C/L Special I			VOL		0.34	1	85	14TH TSP	+1.96
Bobbin	19	70	NQI		0.58	3	151	11TH TSP	+21.69
Bobbin			ODI	14	0.28	3	135	11TH TSP	+21.40
H/L Tubesheet	19	74	MAI		0.87	1	42	TTS-HL	-0.02
Bobbin	20	28	ADI		2.64	6	66	11TH TSP	+8.63
C/L Special I			VOL		0.65	1	111	11TH TSP	+8.27
Bobbin	20	30	ADI		2.56	6	71	11TH TSP	+39.64
Bobbin			ADI		3.71	6	59	11TH TSP	+41.42
C/L Special I			VOL		0.58	1	151	10TH TSP	-3.06
Bobbin	20	48	ADI		2.42	6	71	12TH TSP	+34.74
Bobbin	20	60	ODI	8	4.37	4	145	5TH TSP	+17.67
H/L Special I			VOL		0.83	1	106	5TH TSP	+16.60
H/L Tubesheet	20	64	SAI		0.67	1	16	TTS-HL	-0.02
Bobbin	20	75	IDI	96	37.10	P 1	39	TE-HL	+2.23



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

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12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I			MAI		11.23	1	29	TE-HL	+2.27
Bobbin	20	81	IDI	50	4.29	P 1	97	TE-HL	+13.67
H/L Special I			MAI		3.67	1	22	TE-HL	+13.54
Bobbin	20	83	NQI		0.57	P 1	122	5TH TSP	-0.35
Bobbin	20	95	IDI	61	27.98	P 1	20	TE-HL	+7.01
H/L Special I			MAI		6.37	1	28	TE-HL	+7.13
Bobbin	20	97	ODI	21	0.28	P 1	124	3RD TSP	-0.14
Bobbin	21	6	ODI	5	1.11	3	144	19TH TSP	+1.36
C/L Special I			VOL		0.20	1	90	19TH TSP	+1.57
Bobbin	21	7	NQI		0.43	3	100	18TH TSP	+19.13
C/L Special I			VOL		0.17	1	100	17TH TSP	-3.24
Bobbin	21	52	IDI	93	21.37	P 1	41	TE-HL	+2.55
Bobbin	21	74	IDI	81	31.58	P 1	30	TE-HL	+16.26
H/L Special I			MAI		3.00	1	23	TE-HL	+14.95
Bobbin	22	86	WAR	12	1.06	P 4	0	3AVB	+0.00
H/L Tubesheet	22	87	SAI		1.05	1	18	TTS-HL	-0.03
Bobbin	23	16	ADI		2.81	6	57	11TH TSP	+34.17
C/L Special I			VOL		0.48	1	118	10TH TSP	-10.43
Bobbin	23	17	ADI		2.68	6	101	11TH TSP	+18.42
C/L Special I			VOL		0.48	1	67	11TH TSP	+17.60
Bobbin	23	38	ADI		2.03	6	50	17TH TSP	+6.65
C/L Special I			VOL		0.99	1	106	17TH TSP	+6.36
Bobbin	23	57	NQI		0.50	3	78	11TH TSP	+35.12
C/L Special I			VOL		0.67	1	96	10TH TSP	-8.84
Bobbin	23	58	WAR	8	1.11	P 4	129	3AVB	+0.00
H/L Tubesheet	23	69	SAI		0.41	1	73	TTS-HL	-0.10
H/L Tubesheet			SCI		1.14	1	25	TTS-HL	-0.07
Bobbin	23	88	ODI	31	0.67	3	118	3RD TSP	+9.84
H/L Special I			VOL		0.40	1	42	3RD TSP	+9.38
Bobbin	23	92	IDI	78	26.10	P 1	29	TE-HL	+12.70
H/L Special I			MAI		3.46	1	17	TE-HL	+11.86
Bobbin	24	15	ODI	4	1.14	3	141	11TH TSP	+25.13
C/L Special I			VOL		0.42	1	110	10TH TSP	-19.05
Bobbin	24	18	ODI	3	0.68	3	142	10TH TSP	+32.43
C/L Special I			VOL		0.18	1	149	9TH TSP	-11.32
Bobbin	24	53	ADI		4.74	6	104	6TH TSP	+11.07
H/L Special I			VOL		1.38	1	130	6TH TSP	+11.57
Bobbin	24	81	IDI	72	10.34	P 1	64	TE-HL	+9.57
H/L Special I			MAI		5.41	1	42	TE-HL	+8.85
Bobbin	25	10	NQI		0.43	3	109	6TH TSP	+9.09
H/L Special I			VOL		0.74	1	163	6TH TSP	+8.92
Bobbin	25	20	NQI		30.18	P 1	2	TTS-HL	+0.08
Bobbin	25	44	ADI		4.52	6	92	11TH TSP	+11.90
C/L Special I			VOL		0.98	1	109	11TH TSP	+11.60
Bobbin	25	47	ADI		1.77	6	82	7TH TSP	+34.13
Bobbin			ADI		4.51	6	81	7TH TSP	+26.82
H/L Special I			VOL		0.23	1	80	8TH TSP	-9.88
H/L Special I			VOL		1.07	1	132	8TH TSP	-17.37
Bobbin	25	48	ODI	13	0.50	3	134	TTS-CL	+4.95
Bobbin	25	63	NQI		0.45	3	52	2ND TSP	+10.90
Bobbin			ODI	18	1.82	4	133	TTS-HL	+17.36
Bobbin			ODI	4	1.20	3	142	2ND TSP	+3.11
H/L Special I			VOL		0.65	1	94	TTS-HL	+16.54
H/L Special I			VOL		0.92	1	109	2ND TSP	+2.69
H/L Tubesheet	25	85	SAI		1.27	1	27	TTS-HL	+0.06
Bobbin	25	106	ODI	4	1.22	3	142	7TH TSP	+10.22
H/L Special I			VOL		0.89	1	91	7TH TSP	+9.80
Bobbin	26	9	ADI		4.87	6	86	6TH TSP	+32.73
H/L Special I			VOL		0.38	1	129	7TH TSP	-12.12
Bobbin	26	27	NQI		2.16	P 1	158	TE-HL	+15.39
Bobbin	26	30	NQI		1.90	P 1	29	TTS-HL	-1.16
Bobbin	26	35	NQI		3.19	P 1	18	TE-HL	+10.02
Bobbin	26	55	ODI	10	1.99	4	130	21ST TSP	+3.85
C/L Special I			VOL		0.27	1	56	21ST TSP	+3.67
Bobbin	26	65	ODI	7	1.11	3	140	3RD TSP	+15.78

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					1.38	1	141	3RD TSP	+14.73
H/L Special I					1.43	1	164	3RD TSP	+3.13
Bobbin	26	74	WAR	14	0.97	P 4	0	2AVB	+0.00
Bobbin	26	85	ODI	30	1.43	3	119	7TH TSP	+16.80
H/L Special I					1.67	1	112	7TH TSP	+16.16
Bobbin	26	87	NQI		0.55	3	99	3RD TSP	+14.14
Bobbin	27	30	ODI	9	1.53	3	141	18TH TSP	+18.06
C/L Special I					0.59	1	118	17TH TSP	-4.03
Bobbin	27	60	ODI	16	4.02	6	77	3RD TSP	+15.17
Bobbin	27	69	IDI	89	8.83	P 1	34	TE-HL	+7.75
Bobbin			IDI	92	10.70	P 1	35	TE-HL	+8.77
H/L Special I			MAI		0.51	1	21	TE-HL	+7.45
H/L Special I			MAI		2.90	1	25	TE-HL	+8.34
Bobbin	27	74	NQI		0.62	3	74	19TH TSP	-1.44
C/L Special I					0.68	1	110	19TH TSP	-1.50
Bobbin	27	96	NQI		1.93	P 1	29	TE-HL	+4.88
Bobbin	27	101	IDI	70	12.02	P 1	19	TE-HL	+15.70
H/L Special I			MAI		3.40	1	17	TTS-HL	-5.63
Bobbin	28	32	ODI	23	3.40	4	119	22ND TSP	+17.02
C/L Special I					1.05	1	120	21ST TSP	-3.59
Bobbin	28	49	ODI	8	1.34	3	142	20TH TSP	+5.86
C/L Special I					0.82	1	114	20TH TSP	+6.63
Bobbin	28	56	ADI		3.47	6	71	2ND TSP	+4.74
H/L Special I					0.88	1	107	2ND TSP	+5.36
H/L Tubesheet	28	59	SAI		1.18	1	36	TTS-HL	-2.98
Bobbin	28	93	IDI	51	11.01	P 1	19	TE-HL	+8.31
H/L Special I			SAI		0.71	1	41	TTS-HL	-12.27
Bobbin	28	96	NQI		0.35	P 1	131	3RD TSP	+0.00
Bobbin	28	99	NQI		7.07	P 1	19	TTS-HL	-1.01
Bobbin	28	100	NQI		20.72	P 1	9	TE-HL	+13.68
H/L Special I			MAI		1.03	1	41	TTS-HL	-7.38
Bobbin	28	104	IDI	32	14.56	P 1	12	TE-HL	+18.07
Bobbin	29	30	ODI	24	1.26	3	126	TTS-CL	+3.33
C/L Special I					1.04	1	106	TTS-CL	+3.36
Bobbin	29	49	NQI		6.16	3	20	9TH TSP	+7.26
U-Bend			SAI		6.03	1	6	9TH TSP	+8.44
Bobbin	29	92	IDI	48	21.50	P 1	16	TE-HL	+14.66
H/L Special I			MAI		2.07	1	195	TTS-HL	-6.46
Bobbin	29	96	IDI	43	8.48	P 1	16	TE-HL	+3.01
Bobbin	30	13	WAR	15	0.89	P 4	0	1AVB	+0.00
Bobbin	30	27	ADI		3.62	6	40	10TH TSP	+18.36
C/L Special I					1.12	1	51	10TH TSP	+19.20
Bobbin	30	45	ODI	12	1.96	4	131	15TH TSP	+5.38
C/L Special I					0.65	1	128	15TH TSP	+5.42
Bobbin	30	54	NQI		0.31	3	121	10TH TSP	+29.45
C/L Special I					0.15	1	159	9TH TSP	-15.19
Bobbin	30	57	ADI		3.11	6	68	7TH TSP	+6.66
Bobbin			ADI		3.41	6	66	6TH TSP	+36.18
H/L Special I					1.00	1	107	7TH TSP	-7.40
H/L Special I					1.23	1	116	7TH TSP	+6.77
Bobbin	30	77	IDI	77	14.85	P 1	66	TE-HL	+13.46
H/L Special I			MAI		10.41	1	29	TE-HL	+12.73
H/L Special I			SAI		4.36	1	32	TE-HL	+10.89
Bobbin	30	78	IDI	88	42.31	P 1	51	TE-HL	+13.22
H/L Special I			MAI		9.15	1	26	TE-HL	+12.13
H/L Tubesheet	30	90	VOL		0.53	1	60	TTS-HL	-1.10
Bobbin	31	15	ODI	20	0.62	P 4	90	2AVB	+0.00
U-Bend					0.60	P 1	163	2AVB	+0.00
Bobbin	31	22	NQI		0.31	3	111	3RD TSP	+12.13
H/L Special I					0.20	1	143	3RD TSP	+11.99
Bobbin	31	37	ADI		8.86	6	68	TTS-HL	+6.30
H/L Special I					1.46	1	127	TTS-HL	+5.64
Bobbin	31	102	NQI		0.78	3	45	19TH TSP	+1.37
C/L Special I					0.29	1	127	19TH TSP	+1.51
Bobbin	32	14	NQI		0.54	3	86	12TH TSP	+36.20

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					0.70	1	95	11TH TSP	-8.03
Bobbin	32	43	ODI	8	1.99	4	134	3RD TSP	+24.49
H/L Special I					0.63	1	108	3RD TSP	+25.52
Bobbin	32	56	ODI	30	0.83	3	117	1ST TSP	+2.67
Bobbin			NQI		0.28	P 1	58	1ST TSP	+0.72
H/L Special I					0.31	1	141	1ST TSP	+0.66
H/L Special I					0.66	1	129	1ST TSP	+2.78
H/L Tubesheet	32	58	SAI		2.04	1	25	TTS-HL	-0.06
Bobbin	32	66	ADI		4.34	6	66	6TH TSP	+15.62
Bobbin			ADI		16.64	6	67	18TH TSP	+6.37
H/L Special I					0.85	1	128	6TH TSP	+14.90
C/L Special I					1.39	1	97	18TH TSP	+6.24
Bobbin	32	67	NQI		0.77	3	104	6TH TSP	+1.30
H/L Special I					0.84	1	140	6TH TSP	+1.04
Bobbin	32	70	ADI		6.21	6	92	4TH TSP	+5.38
H/L Special I					1.13	1	133	4TH TSP	+5.53
H/L Tubesheet	32	98	SAI		1.22	1	10	TTS-HL	-0.12
Bobbin	33	30	NQI		0.76	3	53	10TH TSP	+36.90
Bobbin	33	40	NQI		6.45	3	18	22ND TSP	+17.30
Bobbin	33	47	NQI		0.24	3	107	6TH TSP	+32.32
Bobbin			NQI		0.29	3	118	7TH TSP	+13.57
H/L Special I					0.21	1	45	7TH TSP	+13.72
H/L Special I					0.18	1	63	6TH TSP	+32.67
Bobbin	33	67	ODI	6	0.91	3	140	19TH TSP	-1.40
C/L Special I					0.20	1	125	19TH TSP	-1.30
Bobbin	34	32	ADI		1.99	6	77	TTS-CL	+3.02
Bobbin	34	55	ODI	2	1.80	3	144	16TH TSP	+6.91
C/L Special I					0.70	1	113	15TH TSP	-4.07
Bobbin	34	68	ODI	13	0.67	3	134	3RD TSP	+28.71
H/L Special I					0.24	1	133	4TH TSP	-14.19
Bobbin	34	72	ADI		4.42	6	119	4AVB	-7.67
U-Bend					2.58	3	116	4AVB	-9.25
Bobbin	34	76	NQI		0.50	3	111	2ND TSP	+19.94
Bobbin	34	80	IDI	73	10.57	P 1	22	TE-HL	+7.26
Bobbin			IDI	94	42.05	P 1	39	TE-HL	+9.04
Bobbin	35	32	NQI		1.03	3	128	4AVB	-17.66
U-Bend					2.51	1	150	4AVB	-17.37
Bobbin	35	38	ODI	12	0.68	3	135	14TH TSP	+2.48
C/L Special I					0.26	1	115	14TH TSP	+2.61
C/L Special I					0.44	1	108	14TH TSP	+4.80
Bobbin	35	39	ODI	9	1.68	3	138	6TH TSP	+36.03
H/L Special I					1.10	1	116	7TH TSP	-8.07
Bobbin	35	44	WAR	10	0.60	P 4	0	1AVB	+0.00
Bobbin	35	60	ODI	9	1.14	4	131	5TH TSP	+12.46
H/L Special I					0.77	1	125	5TH TSP	+12.12
Bobbin	35	85	ODI	18	0.67	3	130	7TH TSP	+8.29
Bobbin			ODI	21	1.20	3	127	7TH TSP	+4.17
H/L Special I					1.22	1	78	7TH TSP	+8.21
H/L Special I					1.64	1	106	7TH TSP	+4.06
Bobbin	36	22	ODI	2	1.27	3	144	18TH TSP	+6.03
C/L Special I					0.58	1	92	18TH TSP	+6.58
Bobbin	36	25	NQI		2.73	P 1	59	TE-HL	+17.44
Bobbin	36	59	WAR	20	1.23	P 4	0	2AVB	+0.00
Bobbin			WAR	24	1.62	P 4	0	3AVB	+0.00
Bobbin	36	60	WAR	17	1.03	P 4	0	2AVB	+0.00
Bobbin			WAR	29	2.17	P 4	0	1AVB	+0.00
Bobbin	36	65	WAR	18	1.09	P 4	0	1AVB	+0.00
H/L Tubesheet	36	75	SAI		0.96	1	21	TTS-HL	+0.00
Bobbin	36	83	ODI	7	1.95	4	140	10TH TSP	+5.60
Bobbin			ODI	10	1.02	4	138	10TH TSP	+14.37
Bobbin			ODI	19	1.28	3	131	11TH TSP	+16.75
Bobbin			ODI	29	1.39	4	122	10TH TSP	+20.00
C/L Special I					0.50	1	113	10TH TSP	+13.92
C/L Special I					0.53	1	90	10TH TSP	+20.19
C/L Special I					0.55	1	92	10TH TSP	+5.22

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BWNT TUBAN II (Version 2.1)

07/13/1995 13:43:23

McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					VOL	0.73	1	91 11TH TSP	+16.73
Bobbin	36	85	NQI			0.45	3	102 2ND TSP	+19.05
Bobbin	36	92	IDI	68		9.01	P 1	19 TE-HL	+8.92
H/L Special I					MAI	3.18	1	27 TE-HL	+9.10
Bobbin	36	94	ODI	16		3.25	4	132 12TH TSP	+27.78
C/L Special I					VOL	0.94	1	79 12TH TSP	+26.88
Bobbin	37	17	WAR	13		0.86	P 4	0 3AVB	+0.00
Bobbin	37	19	ODI	6		2.25	3	139 12TH TSP	+10.07
C/L Special I					VOL	1.55	1	114 12TH TSP	+10.23
Bobbin	37	50	NQI			1.15	3	117 2ND TSP	+16.11
H/L Special I					VOL	0.53	1	116 2ND TSP	+16.54
Bobbin	37	67	ODI	15		1.05	4	134 4TH TSP	+20.74
H/L Special I					VOL	0.62	1	145 4TH TSP	+19.82
Bobbin	37	70	ODI	3		0.89	3	147 5TH TSP	+6.44
Bobbin			ODI	13		0.92	3	137 5TH TSP	+7.79
H/L Special I					VOL	0.84	1	150 5TH TSP	+4.63
H/L Special I					VOL	0.90	1	137 5TH TSP	+7.17
H/L Special I					VOL	1.00	1	145 5TH TSP	+5.95
Bobbin	37	80	ODI	17		0.77	3	131 1ST TSP	+5.05
Bobbin	37	81	ODI	21		0.68	3	127 4TH TSP	+19.85
H/L Special I					VOL	2.24	1	148 4TH TSP	+15.53
Bobbin	37	85	ADI			5.52	6	81 5TH TSP	+14.76
H/L Special I					VOL	1.40	1	113 5TH TSP	+14.69
Bobbin	37	97	NQI			6.48	3	177 8TH TSP	+19.79
U-Bend					VOL	0.87	1	134 8TH TSP	+20.03
Bobbin	38	36	WAR	14		0.94	P 4	0 2AVB	+0.00
Bobbin	38	42	NQI			0.43	3	114 TTS-CL	+1.95
Bobbin	38	43	NQI			0.37	3	105 13TH TSP	+1.77
Bobbin			ODI	3		0.58	3	141 18TH TSP	+13.24
Bobbin			ODI	5		0.48	3	140 13TH TSP	+11.38
Bobbin			ODI	5		0.57	3	140 18TH TSP	+13.81
C/L Special I					VOL	0.25	1	104 18TH TSP	+14.17
C/L Special I					VOL	0.45	1	94 13TH TSP	+10.92
C/L Special I					VOL	1.00	1	114 13TH TSP	+1.22
Bobbin	38	44	ODI	5		1.08	4	130 15TH TSP	+4.92
Bobbin			ODI	10		1.75	4	126 10TH TSP	+21.50
C/L Special I					VOL	0.22	1	114 15TH TSP	+4.81
C/L Special I					VOL	0.44	1	104 10TH TSP	+21.34
Bobbin	38	58	WAR	10		0.70	P 4	0 1AVB	+0.00
Bobbin	38	59	WAR	16		1.04	P 4	0 1AVB	+0.00
Bobbin	38	62	WAR	17		1.13	P 4	0 1AVB	+0.00
Bobbin	38	64	WAR	16		1.05	P 4	0 1AVB	+0.00
Bobbin	38	71	ODI	11		1.45	3	139 11TH TSP	+11.33
C/L Special I					VOL	1.46	1	112 11TH TSP	+11.62
H/L Tubesheet	38	77	MAI			0.40	1	20 TTS-HL	-3.21
Bobbin	38	79	ODI	17		0.53	3	133 1ST TSP	+2.91
H/L Special I					VOL	1.22	1	106 1ST TSP	+0.91
Bobbin	38	80	ODI	27		1.93	3	123 12TH TSP	+36.46
C/L Special I					VOL	1.21	1	100 11TH TSP	-7.53
Bobbin	38	82	ADI			3.58	6	84 5TH TSP	+5.33
H/L Special I					VOL	1.00	1	112 5TH TSP	+5.91
Bobbin	38	87	WAR	22		1.58	P 4	0 3AVB	+0.00
Bobbin	38	91	IDI	1		5.57	P 1	131 TE-HL	+13.30
H/L Special I					MAI	4.98	1	19 TTS-HL	-7.63
Bobbin	38	92	ADI			2.78	6	61 1ST TSP	+16.73
H/L Special I					VOL	0.77	1	129 1ST TSP	+17.10
Bobbin	38	94	ODI	11		1.88	4	137 7TH TSP	+31.14
Bobbin			ODI	17		1.10	3	133 7TH TSP	-1.13
H/L Special I					VOL	0.52	1	88 7TH TSP	+16.76
H/L Special I					VOL	0.82	1	58 7TH TSP	-1.25
H/L Special I					VOL	1.24	1	107 7TH TSP	+31.39
Bobbin	38	95	IDI	57		21.41	P 1	16 TE-HL	+11.17
H/L Special I					MAI	7.49	1	22 TTS-HL	-9.30
H/L Tubesheet	39	66	SAI			0.99	1	25 TTS-HL	-1.08
Bobbin	39	74	ODI	9		0.66	3	139 10TH TSP	+39.36



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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					VOL	0.19	1	155 9TH TSP	-6.58
C/L Special I					VOL	0.23	1	130 9TH TSP	-4.04
C/L Special I					VOL	0.39	1	117 9TH TSP	-8.93
Bobbin	39	87	ADI			6.03	6	66 13TH TSP	+6.29
C/L Special I					VOL	0.90	1	99 13TH TSP	+5.86
Bobbin	40	21	ODI	2		1.43	3	142 20TH TSP	+1.76
C/L Special I					VOL	0.17	1	77 20TH TSP	+1.83
Bobbin	40	24	ODI	16		0.54	3	130 12TH TSP	+40.67
C/L Special I					VOL	0.27	1	97 11TH TSP	-3.19
Bobbin	40	33	NQI			0.44	3	130 12TH TSP	+38.63
Bobbin	40	56	ODI	3		1.49	3	144 2ND TSP	+3.26
H/L Special I					VOL	1.24	1	20 2ND TSP	+3.30
Bobbin	40	62	WAR	26		2.03	P 4	0 2AVB	+0.00
Bobbin	40	66	WAR	17		1.08	P 4	0 1AVB	+0.00
Bobbin	40	86	ODI	11		2.32	4	137 TTS-HL	+3.51
H/L Special I					VOL	0.21	1	67 TTS-HL	+3.75
Bobbin	41	22	NQI			1.04	3	101 5TH TSP	+6.60
H/L Special I					VOL	0.85	1	77 5TH TSP	+6.78
Bobbin	41	32	WAR	19		1.14	P 4	0 2AVB	+0.00
Bobbin	41	38	NQI			0.40	P 1	92 12TH TSP	+0.28
Bobbin	41	39	ODI	25		0.59	3	121 12TH TSP	+11.29
Bobbin	41	40	WAR	16		0.94	P 4	0 1AVB	+0.00
Bobbin	41	49	WAR	13		0.75	P 4	0 1AVB	+0.00
Bobbin			WAR	15		0.87	P 4	0 3AVB	+0.00
Bobbin			WAR	26		1.72	P 4	0 2AVB	+0.00
Bobbin	41	55	WAR	20		1.18	P 4	0 1AVB	+0.00
Bobbin	41	62	WAR	24		1.19	P 2	0 3AVB	+0.00
Bobbin			WAR	25		1.31	P 2	0 1AVB	+0.00
Bobbin			WAR	28		1.50	P 2	0 2AVB	+0.00
Bobbin	42	33	ADI			5.39	6	46 15TH TSP	+17.54
C/L Special I					VOL	0.82	1	118 15TH TSP	+17.72
Bobbin	42	47	NQI			0.52	3	88 6TH TSP	+19.26
H/L Special I					VOL	0.45	1	112 6TH TSP	+19.15
Bobbin	42	53	WAR	12		0.67	P 4	0 1AVB	+0.00
Bobbin	42	55	WAR	26		1.82	P 4	0 1AVB	+0.00
Bobbin	43	34	WAR	20		1.19	P 4	0 2AVB	+0.00
Bobbin	43	38	ODI	28		1.46	4	122 17TH TSP	+2.59
C/L Special I					VOL	0.70	1	77 17TH TSP	+2.60
Bobbin	43	41	NQI			3.14	P 1	163 TE-HL	+17.72
Bobbin			IDI	70		1.96	P 1	79 TE-HL	+13.12
Bobbin	43	49	ODI	16		1.34	3	130 10TH TSP	+12.58
Bobbin			ODI	28		0.49	3	120 10TH TSP	+13.26
C/L Special I					VOL	1.01	1	102 10TH TSP	+12.86
Bobbin	43	50	WAR	14		0.78	P 4	0 1AVB	+0.00
Bobbin	43	53	ADI			2.36	6	77 5TH TSP	+28.01
H/L Special I					VOL	1.04	1	116 5TH TSP	+28.54
Bobbin	43	56	WAR	11		0.59	P 4	0 1AVB	+0.00
Bobbin			WAR	21		1.25	P 4	0 2AVB	+0.00
Bobbin	43	57	WAR	8		1.61	P 2	0 17TH TSP	+0.00
Bobbin	43	63	NQI			0.62	3	52 17TH TSP	+13.92
C/L Special I					VOL	0.29	1	106 17TH TSP	+13.73
Bobbin	43	71	IDI	45		11.38	P 1	19 TE-HL	+9.70
Bobbin	43	85	ADI			6.42	6	78 4TH TSP	+35.29
H/L Special I					VOL	1.25	1	49 5TH TSP	-7.62
Bobbin	43	87	ADI			7.24	6	97 5TH TSP	+30.60
H/L Special I					VOL	1.39	1	130 6TH TSP	-13.26
Bobbin	44	41	ADI			3.76	6	80 3AVB	-2.99
U-Bend					VOL	0.58	1	86 3AVB	-3.86
Bobbin	44	44	ODI	5		1.82	3	139 10TH TSP	+16.21
C/L Special I					VOL	0.63	1	116 10TH TSP	+16.86
Bobbin	44	58	NQI			0.45	3	88 20TH TSP	+7.05
Bobbin	44	64	ODI	11		2.04	3	132 5TH TSP	+32.14
H/L Special I					VOL	0.64	1	109 6TH TSP	-11.64
Bobbin	45	32	NQI			31.71	3	15 TTS-HL	+5.03
H/L Special I					NQI	0.96	1	24 TTS-HL	+4.49



ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	45	55	NQI		0.70	P 1	67	15TH TSP	F/L
C/L Special I			VOL		0.65	P 1	52	15TH TSP	15TH TSP
Bobbin	45	66	ODI	12	2.00	4	141	10TH TSP	F/L
C/L Special I			VOL		0.31	1	122	9TH TSP	9TH TSP
C/L Special I			VOL		0.47	1	115	9TH TSP	9TH TSP
Bobbin	45	71	NQI		2.29	3	149	8TH TSP	F/L
U-Bend			VOL		0.73	1	90	8TH TSP	1AVB
Bobbin	46	44	NQI		0.65	3	131	3AVB	F/L
U-Bend			VOL		0.58	1	109	3AVB	9TH TSP
Bobbin	46	50	WAP	12	2.69	P 2	0	17TH TSP	F/L
Bobbin	46	51	ADI		2.24	6	76	3RD TSP	F/L
Bobbin			ADI		3.27	6	74	3RD TSP	F/L
Bobbin			NQI		0.99	3	103	3RD TSP	F/L
Bobbin			WAR	8	1.78	P 2	0	15TH TSP	F/L
H/L Special I			VOL		0.55	1	131	3RD TSP	3RD TSP
H/L Special I			VOL		0.86	1	126	3RD TSP	3RD TSP
H/L Special I			VOL		1.31	1	124	3RD TSP	3RD TSP
Bobbin	46	57	WAR	6	1.31	P 2	0	17TH TSP	F/L
Bobbin	46	59	ODI	19	1.42	3	126	9TH TSP	F/L
Bobbin			WAR	23	6.11	P 2	0	17TH TSP	F/L
C/L Special I			SAI		0.67	1	18	9TH TSP	9TH TSP
Bobbin	46	65	ADI		4.84	6	59	4TH TSP	F/L
H/L Special I			VOL		0.99	1	155	5TH TSP	5TH TSP
Bobbin	46	76	NQI		1.69	3	116	7TH TSP	F/L
H/L Special I			VOL		1.87	1	100	7TH TSP	7TH TSP
H/L Special I			VOL		2.18	1	123	7TH TSP	7TH TSP
Bobbin	46	77	ODI	10	2.75	4	143	4TH TSP	F/L
Bobbin			ODI	20	2.06	3	125	4TH TSP	F/L
H/L Special I			VOL		0.89	1	142	5TH TSP	5TH TSP
H/L Special I			VOL		1.12	1	150	5TH TSP	5TH TSP
Bobbin	46	82	ADI		2.24	6	68	13TH TSP	F/L
C/L Special I			VOL		0.71	1	11	12TH TSP	12TH TSP
H/L Tubesheet	47	49	SAI		0.98	1	28	TTS-HL	TTS-HL
Bobbin	47	51	WAR	9	1.95	P 2	0	17TH TSP	F/L
Bobbin	47	54	WAR	18	4.33	P 2	0	17TH TSP	F/L
Bobbin	47	61	NQI		4.99	P 1	142	TTS-CL	F/L
Bobbin	47	70	ADI		5.73	6	74	5TH TSP	F/L
H/L Special I			VOL		0.56	1	134	5TH TSP	5TH TSP
Bobbin	48	53	WAR	17	3.87	P 2	0	17TH TSP	F/L
Bobbin	48	54	NQI		1.22	3	63	2ND TSP	F/L
H/L Special I			VOL		2.46	1	112	3RD TSP	3RD TSP
Bobbin	48	56	WAR	11	2.46	P 2	0	17TH TSP	F/L
C/L Special I			VOL		0.83	P 1	53	17TH TSP	17TH TSP
Bobbin	48	60	WAR	4	0.77	P 2	0	17TH TSP	F/L
Bobbin	48	61	WAR	8	1.85	P 2	0	17TH TSP	F/L
Bobbin			WAR	12	2.72	P 2	0	20TH TSP	F/L
Bobbin	48	64	ADI		5.16	6	70	6TH TSP	F/L
H/L Special I			VOL		0.77	1	149	7TH TSP	7TH TSP
Bobbin	48	68	NQI		0.45	3	115	7TH TSP	F/L
H/L Special I			VOL		0.71	1	98	8TH TSP	8TH TSP
Bobbin	48	71	ADI		2.80	6	73	10TH TSP	F/L
C/L Special I			VOL		0.59	1	119	10TH TSP	10TH TSP
H/L Tubesheet	48	74	SAI		0.48	1	43	TTS-HL	TTS-HL
Bobbin	48	82	ADI		2.96	6	74	10TH TSP	F/L
C/L Special I			VOL		0.70	1	114	10TH TSP	10TH TSP
H/L Tubesheet	48	83	SAI		0.33	1	82	TTS-HL	TTS-HL
H/L Tubesheet	48	86	SAI		1.01	1	51	TTS-HL	TTS-HL
Bobbin	49	49	WAR	10	2.10	P 2	0	17TH TSP	F/L
Bobbin	49	51	WAR	15	3.48	P 2	0	17TH TSP	F/L
Bobbin	49	52	WAR	11	2.34	P 2	0	17TH TSP	F/L
Bobbin	49	55	WAR	12	2.61	P 2	0	17TH TSP	F/L
Bobbin	49	57	WAR	11	2.46	P 2	0	15TH TSP	F/L
Bobbin	49	60	WAR	15	4.04	P 2	0	17TH TSP	F/L
Bobbin	49	70	ODI	27	0.80	P 1	125	6TH TSP	F/L
Bobbin			WAR	9	2.36	P 2	0	18TH TSP	F/L

*****	BWNT TUBAN II (Version 2.1)	07/13/1995 13:43:23	*****
*****	McGuire Nuclear Station - Unit Two		*****
*****	S/G B		*****
*****	12/94 RFO		*****
*****	Bobbin, C/L Special Interest, H/L Special Interest, H/L Tubesheet, U-Bend		*****

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I			ODI	40	0.68 1	77	6TH	TSP	+0.51
Bobbin	49	79	ADI		3.90 6	75	11TH	TSP	+21.49
C/L Special I			VOL		0.58 1	27	11TH	TSP	+21.19

Total Indications Found = 783  
 Total Tubes Found = 394

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:57:02

McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	2	7	ADI		12.11	6	92	2ND TSP	+2.13
H/L Special I			VOL		1.40	1	31	2ND TSP	+1.71
Bobbin	2	19	ADI		5.88	6	28	4TH TSP	+27.10
H/L Special I			VOL		0.71	1	143	4TH TSP	+25.10
Bobbin	2	26	NQI		0.59	P 1	132	19TH TSP	+0.69
C/L Special I			VOL		0.97	1	118	19TH TSP	+0.80
H/L Tubesheet	2	31	VOL		0.39	1	83	TTS-HL	+1.05
H/L Tubesheet	2	32	SAI		1.59	1	15	TTS-HL	-0.01
Bobbin	2	39	IDI	94	47.17	P 1	57	TE-HL	+3.89
Bobbin	2	51	NQI		13.17	P 1	163	TE-HL	+8.82
Bobbin			IDI	87	5.59	P 1	73	TE-HL	+15.37
H/L Special I			MAI		6.41	1	33	TE-HL	+8.35
H/L Special I			SAI		5.20	1	25	TE-HL	+14.43
Bobbin	2	53	ODI	22	2.91	4	128	14TH TSP	+2.35
C/L Special I			VOL		0.61	1	82	14TH TSP	+2.40
Bobbin	2	56	ADI		2.48	6	54	19TH TSP	+2.51
C/L Special I			VOL		0.50	1	119	19TH TSP	+2.26
Bobbin	2	64	ADI		2.06	6	58	11TH TSP	+27.86
Bobbin			ADI		3.70	6	75	12TH TSP	+12.32
C/L Special I			VOL		0.29	1	140	10TH TSP	-16.14
C/L Special I			VOL		0.77	1	41	10TH TSP	-2.03
C/L Special I			VOL		0.85	1	132	12TH TSP	+13.34
Bobbin	2	73	ODI	24	0.97	4	126	14TH TSP	+6.13
C/L Special I			VOL		0.47	1	131	13TH TSP	-4.96
H/L Tubesheet	2	76	SAI		3.01	1	28	TTS-HL	-4.27
Bobbin	2	92	ODI	10	0.56	3	137	17TH TSP	+3.57
C/L Special I			VOL		0.92	1	131	17TH TSP	+4.12
Bobbin	2	100	ODI	9	1.33	4	139	22ND TSP	+3.62
C/L Special I			VOL		0.53	1	138	22ND TSP	+3.74
Bobbin	2	102	ADI		1.11	6	55	19TH TSP	+10.75
Bobbin	2	105	NQI		1.24	P 1	120	3RD TSP	+0.13
H/L Special I			SAI		0.50	1	101	3RD TSP	+0.21
Bobbin	2	113	ODI	3	0.69	3	142	11TH TSP	+21.51
Bobbin	3	9	ADI		3.63	6	75	21ST TSP	+8.86
C/L Special I			VOL		0.49	1	75	21ST TSP	+8.53
Bobbin	3	14	IDI	94	6.31	P 1	56	TE-HL	+11.22
Bobbin	3	44	ADI		4.33	6	72	22ND TSP	+11.25
C/L Special I			VOL		0.53	1	124	22ND TSP	+11.09
Bobbin	3	48	ADI		1.79	6	76	22ND TSP	+9.43
Bobbin	3	49	ADI		2.17	6	61	18TH TSP	+9.62
Bobbin			ADI		2.57	6	55	12TH TSP	+24.56
Bobbin			ADI		3.31	6	48	22ND TSP	+4.56
Bobbin			ADI		3.55	6	42	18TH TSP	+7.12
Bobbin			ADI		3.63	6	65	22ND TSP	+6.26
Bobbin			ADI		3.67	6	54	22ND TSP	+10.26
Bobbin			ADI		3.97	6	57	22ND TSP	+2.97
Bobbin			ADI		4.80	6	61	21ST TSP	-1.38
C/L Special I			VOL		0.20	1	38	22ND TSP	+10.09
C/L Special I			VOL		0.35	1	76	12TH TSP	+20.08
C/L Special I			VOL		0.35	1	123	18TH TSP	+6.78
C/L Special I			VOL		0.37	1	131	18TH TSP	+9.50
C/L Special I			VOL		0.41	1	79	12TH TSP	+21.75
C/L Special I			VOL		0.42	1	65	12TH TSP	+17.48
C/L Special I			VOL		0.42	1	138	18TH TSP	+4.65
C/L Special I			VOL		0.44	1	105	12TH TSP	+24.38
C/L Special I			VOL		0.48	1	98	12TH TSP	+18.90
C/L Special I			VOL		0.62	1	54	22ND TSP	+18.59
C/L Special I			VOL		0.73	1	130	22ND TSP	+4.19
C/L Special I			VOL		1.04	1	134	22ND TSP	+2.62
C/L Special I			VOL		1.40	1	132	22ND TSP	+6.15
C/L Special I			VOL		0.33	P 1	131	21ST TSP	-0.07
Bobbin	3	52	ADI		4.57	6	54	16TH TSP	+0.90 to +6.18
Bobbin	3	55	ADI		1.36	6	69	22ND TSP	+8.47
Bobbin			ADI		2.39	6	52	22ND TSP	+4.40
Bobbin			ADI		6.11	6	55	22ND TSP	+13.20

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	*TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin					7.12	6	50	22ND TSP	+15.29
C/L Special I					0.54	1	42	22ND TSP	+13.18
C/L Special I					0.55	1	78	22ND TSP	+17.67
C/L Special I					0.61	1	130	22ND TSP	+7.01
C/L Special I					0.78	1	123	22ND TSP	+8.23
C/L Special I					0.82	1	75	22ND TSP	+15.40
C/L Special I					1.43	1	147	22ND TSP	+4.03
H/L Special I	3	93	SAI		0.23	P 1	30	3RD TSP	+0.09
Bobbin	3	95	IDI	95	16.83	P 1	39	TE-HL	+5.24
Bobbin	3	104	NQI		1.85	P 1	78	3RD TSP	+0.11
H/L Special I			MAI		1.33	1	66	3RD TSP	+0.20
Bobbin	3	105	ODI	14	2.12	4	136	19TH TSP	+37.10
C/L Special I			VOL		0.67	1	103	16TH TSP	-4.99
Bobbin	4	29	ODI	27	0.55	3	123	22ND TSP	+8.55
C/L Special I			NQI		0.53	1	40	22ND TSP	+9.04
Bobbin	4	42	NQI		9.10	P 1	144	TE-HL	+14.90
H/L Special I			MAI		2.59	1	27	TE-HL	+13.05
H/L Special I			SAI		1.21	1	16	TE-HL	+2.74
Bobbin	4	53	IDI	99	63.05	P 1	37	TE-HL	+5.24
Bobbin	4	87	ODI	26	1.74	3	124	22ND TSP	+15.65
C/L Special I			VOL		0.55	1	75	22ND TSP	+16.20
Bobbin	4	88	IDI	63	44.20	P 1	26	TE-HL	+12.05
Bobbin	4	101	ODI	10	0.95	3	137	TTS-CL	+6.00
Bobbin	5	6	NQI		12.10	P 1	159	TE-HL	+10.98
Bobbin	5	8	ADI		2.76	6	52	19TH TSP	-1.31
C/L Special I			VOL		0.68	1	98	19TH TSP	-1.52
Bobbin	5	11	IDI	45	20.18	P 1	18	TE-HL	+11.01
H/L Special I			SAI		5.23	1	27	TE-HL	+10.51
Bobbin	5	26	IDI	85	15.47	P 1	78	TE-HL	+10.49
Bobbin	5	27	ODI	16	1.16	3	132	22ND TSP	+11.52
C/L Special I			VOL		0.80	1	104	22ND TSP	+11.50
Bobbin	5	28	ODI	11	1.29	3	136	11TH TSP	+9.61
C/L Special I			VOL		0.69	1	122	11TH TSP	+9.63
Bobbin	5	32	NQI		0.63	3	63	22ND TSP	+3.87
C/L Special I			VOL		0.87	1	114	22ND TSP	+5.14
Bobbin	5	36	ODI	17	1.77	3	131	18TH TSP	+17.70
C/L Special I			VOL		0.79	1	119	17TH TSP	-4.44
Bobbin	5	40	NQI		17.84	3	32	TE-CL	+17.17
H/L Special I	5	65	VOL		1.86	1	149	1ST TSP	+13.77
Bobbin	5	73	ADI		3.42	6	31	11TH TSP	+9.06
Bobbin	5	79	ADI		4.75	6	86	1ST TSP	+14.22
H/L Special I			VOL		0.46	1	122	2ND TSP	-6.30
Bobbin	5	109	NQI		1.17	P 1	36	4TH TSP	-0.09
H/L Special I			MAI		0.37	1	61	4TH TSP	-0.11
Bobbin	6	17	ODI	38	0.40	P 1	117	6TH TSP	+0.31
H/L Tubesheet	6	24	VOL		1.68	1	160	TTS-HL	-0.11
Bobbin	6	26	NQI		0.88	3	110	21ST TSP	+3.09
C/L Special I			VOL		0.27	1	58	21ST TSP	+1.03
C/L Special I			VOL		0.64	1	100	21ST TSP	+3.08
Bobbin	6	37	ODI	7	2.53	4	142	11TH TSP	+2.23
C/L Special I			VOL		0.61	1	111	11TH TSP	+4.99
C/L Special I			VOL		0.77	1	116	11TH TSP	+7.43
C/L Special I			VOL		1.30	1	120	11TH TSP	+1.77
H/L Tubesheet	6	40	SAI		0.43	1	61	TTS-HL	+0.00
Bobbin	6	44	NQI		12.31	P 1	16	TE-CL	+18.28
H/L Tubesheet	6	58	SAI		1.26	1	21	TTS-HL	-1.33
Bobbin	6	61	ADI		2.58	6	79	4TH TSP	+12.82
Bobbin			ODI	8	1.41	4	136	4TH TSP	+20.04
H/L Special I			VOL		0.37	1	37	4TH TSP	+12.93
H/L Special I			VOL		0.42	1	102	4TH TSP	+20.03
Bobbin	6	66	NQI		0.47	3	104	TTS-HL	+6.62
Bobbin	6	69	NQI		22.47	P 1	166	TE-HL	+6.34
H/L Special I			MAI		3.88	1	26	TTS-HL	-14.00
Bobbin	6	71	ADI		3.13	6	77	3RD TSP	+6.32
Bobbin	6	73	ODI	4	0.31	3	140	3RD TSP	+28.85



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3RNN TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

Bobbin, C/L Special-Interest, H/L Special Interest, H/L Tubesheet, U-Bend

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INLS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					0.45	1	128	4TH TSP	4TH TSP
Bobbin	6	74	ODI	4	0.65	3	140	2ND TSP	F/L
Bobbin			ODI	15	1.81	4	130	10TH TSP	F/L
H/L Special I					0.56	1	126	2ND TSP	2ND TSP
H/L Special I					0.57	1	97	2ND TSP	2ND TSP
H/L Special I					0.58	1	107	2ND TSP	2ND TSP
H/L Special I					0.62	1	59	2ND TSP	2ND TSP
H/L Special I					0.71	1	131	2ND TSP	2ND TSP
H/L Special I					1.02	1	89	2ND TSP	2ND TSP
Bobbin	6	79	ODI	12	0.62	3	136	9TH TSP	F/L
Bobbin	6	81	NQI		0.52	3	50	3RD TSP	F/L
H/L Special I					0.60	1	118	3RD TSP	3RD TSP
Bobbin	7	6	ADI		6.19	6	84	10TH TSP	F/L
C/L Special I					1.00	1	94	9TH TSP	9TH TSP
Bobbin	7	38	ODI	12	1.37	3	135	6TH TSP	F/L
H/L Special I					0.42	1	58	6TH TSP	6TH TSP
Bobbin	7	53	ODI	32	0.80	P 1	122	3RD TSP	F/L
Bobbin	7	63	ADI		3.95	6	59	3RD TSP	F/L
H/L Special I					0.74	1	106	3RD TSP	3RD TSP
Bobbin	7	67	ODI	13	0.60	3	133	3RD TSP	F/L
H/L Special I					0.85	1	49	3RD TSP	3RD TSP
H/L Tubesheet	7	80	SAI		0.80	1	44	TTS-HL	TTS-HL
Bobbin	8	32	IDI	40	9.41	P 1	159	TE-HL	F/L
H/L Special I			SAI		1.99	1	27	TE-HL	TTS-HL
H/L Special I			SAI		3.30	1	28	TE-HL	TTS-HL
H/L Special I			SAI		4.68	1	16	TE-HL	TTS-HL
Bobbin	8	38	NQI		1.12	3	122	6TH TSP	F/L
H/L Special I					1.37	1	119	7TH TSP	7TH TSP
Bobbin	8	39	NQI		0.39	3	123	6TH TSP	F/L
H/L Tubesheet	8	41	SAI		0.74	1	19	TTS-HL	TTS-HL
Bobbin	8	63	ODI	26	1.80	4	124	6TH TSP	F/L
Bobbin	8	64	ADI		5.72	6	68	3RD TSP	F/L
H/L Special I					1.16	1	110	3RD TSP	3RD TSP
Bobbin	8	79	ODI	29	0.40	3	120	7TH TSP	F/L
H/L Special I					0.76	1	38	8TH TSP	8TH TSP
H/L Special I					0.78	1	77	8TH TSP	8TH TSP
H/L Special I					0.92	1	45	8TH TSP	8TH TSP
H/L Special I					0.96	1	61	8TH TSP	8TH TSP
H/L Special I					1.28	1	156	8TH TSP	8TH TSP
Bobbin	8	96	NQI		0.35	P 1	109	4TH TSP	F/L
H/L Special I			SAI		0.31	1	80	4TH TSP	4TH TSP
Bobbin	8	109	NQI		0.46	P 1	41	4TH TSP	F/L
H/L Special I			SAI		0.14	P 1	81	4TH TSP	4TH TSP
Bobbin	9	8	ODI	7	2.05	3	137	6TH TSP	F/L
H/L Special I					1.36	1	147	6TH TSP	6TH TSP
Bobbin	9	12	NQI		0.52	P 1	69	2ND TSP	F/L
H/L Special I			SAI		0.31	P 1	83	2ND TSP	2ND TSP
Bobbin	9	13	NQI		7.41	P 1	169	TE-HL	F/L
H/L Special I			SAI		3.99	1	16	TE-HL	TTS-HL
Bobbin	9	46	NQI		0.47	P 1	112	14TH TSP	F/L
Bobbin	9	62	NQI		0.72	3	106	22ND TSP	F/L
C/L Special I					0.62	1	135	22ND TSP	22ND TSP
Bobbin	9	73	ADI		4.61	5	67	2ND TSP	F/L
H/L Special I					0.77	1	115	2ND TSP	2ND TSP
Bobbin	9	84	NQI		0.72	3	114	4TH TSP	F/L
H/L Special I					0.90	1	174	4TH TSP	4TH TSP
Bobbin	9	88	NQI		0.51	P 1	68	2ND TSP	F/L
H/L Special I			MAI		0.14	P 1	56	2ND TSP	2ND TSP
Bobbin	9	91	ODI	19	1.28	4	130	3RD TSP	F/L
H/L Special I					0.62	1	116	3RD TSP	3RD TSP
H/L Special I					1.22	1	127	3RD TSP	3RD TSP
C/L Special I	10	13	VOL		0.72	1	135	22ND TSP	22ND TSP
Bobbin	10	20	ADI		6.18	6	69	4TH TSP	F/L
H/L Special I					1.16	1	102	4TH TSP	4TH TSP
H/L Tubesheet	10	21	SAI		0.37	1	84	TTS-HL	TTS-HL

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	10	43	NQI		0.54	P	1	85 14TH TSP	F/L
Bobbin	10	63	NQI		0.81	3		103 3RD TSP	F/L
H/L Special I			ODI	40	1.17	1		30 3RD TSP	3RD TSP
Bobbin	10	64	ADI		2.82	6		67 3RD TSP	F/L
H/L Special I			VOL		0.70	1		38 3RD TSP	3RD TSP
Bobbin	10	100	ADI		3.59	6		70 10TH TSP	F/L
C/L Special I			VOL		0.70	1		85 9TH TSP	9TH TSP
Bobbin	11	7	ODI	4	0.52	P	1	136 4TH TSP	F/L
Bobbin	11	22	NQI		0.62	3		124 11TH TSP	F/L
C/L Special I			VOL		0.94	1		113 11TH TSP	11TH TSP
Bobbin	11	28	ADI		5.52	6		61 20TH TSP	F/L
C/L Special I			VOL		0.86	1		85 20TH TSP	20TH TSP
Bobbin	11	29	NQI		0.62	3		52 17TH TSP	F/L
C/L Special I			VOL		0.37	1		80 17TH TSP	17TH TSP
H/L Tubesheet	11	45	SAI		4.50	1		16 TTS-HL	TTS-HL
Bobbin	11	48	NQI		0.74	3		145 12TH TSP	F/L
C/L Special I			VOL		0.75	1		26 11TH TSP	11TH TSP
Bobbin	11	67	IDI	41	9.42	P	1	14 TE-HL	F/L
H/L Tubesheet	11	69	MAI		0.36	1		24 TTS-HL	TTS-HL
Bobbin	11	72	IDI	49	15.16	P	1	17 TE-HL	F/L
H/L Tubesheet			MAI		1.39	1		19 TTS-HL	TTS-HL
Bobbin	11	76	ODI	21	1.54	4		125 17TH TSP	F/L
C/L Special I			VOL		0.67	1		268 17TH TSP	17TH TSP
Bobbin	11	77	ODI	25	0.59	4		122 5TH TSP	F/L
H/L Special I			VOL		0.23	1		60 5TH TSP	5TH TSP
Bobbin	12	4	ADI		4.98	6		92 22ND TSP	F/L
C/L Special I			VOL		0.88	1		129 22ND TSP	22ND TSP
Bobbin	12	22	NQI		0.63	3		50 6TH TSP	F/L
Bobbin			ODI	13	0.56	3		133 6TH TSP	F/L
H/L Special I			VOL		0.50	1		141 6TH TSP	6TH TSP
H/L Special I			VOL		0.50	1		154 6TH TSP	6TH TSP
H/L Special I			VOL		0.54	1		159 6TH TSP	6TH TSP
H/L Special I			VOL		0.59	1		138 6TH TSP	6TH TSP
Bobbin	12	27	IDI	61	8.71	P	1	22 TE-HL	F/L
H/L Tubesheet	12	30	MAI		1.31	1		37 TTS-HL	TTS-HL
H/L Tubesheet	12	68	MAI		4.61	1		21 TTS-HL	TTS-HL
Bobbin	12	75	ADI		1.75	6		81 3RD TSP	F/L
H/L Special I			VOL		0.60	1		124 3RD TSP	3RD TSP
Bobbin	12	88	ADI		3.80	6		65 6TH TSP	F/L
H/L Special I			VOL		0.77	1		124 7TH TSP	7TH TSP
Bobbin	12	91	ODI	27	0.94	4		121 2ND TSP	F/L
H/L Special I			VOL		0.96	1		152 3RD TSP	3RD TSP
Bobbin	13	11	IDI	44	26.06	P	1	16 TE-HL	F/L
H/L Special I			MAI		5.92	1		26 TE-HL	TE-HL
Bobbin	13	66	IDI	53	13.65	P	1	18 TE-HL	F/L
Bobbin			IDI	59	18.86	P	1	20 TE-HL	F/L
H/L Special I			MAI		0.91	1		23 TE-HL	TE-HL
H/L Special I			MAI		5.29	1		26 TE-HL	TE-HL
H/L Special I			SAI		1.43	1		11 TE-HL	TE-HL
Bobbin	13	76	IDI	50	9.02	P	1	17 TE-HL	F/L
Bobbin			IDI	88	18.43	P	1	30 TE-HL	F/L
Bobbin	13	77	IDI	94	2.52	P	1	46 TE-HL	F/L
Bobbin	13	79	ADI		1.84	6		70 5TH TSP	F/L
H/L Special I			VOL		0.82	1		133 5TH TSP	5TH TSP
Bobbin	13	88	ODI	5	0.83	3		139 7TH TSP	F/L
H/L Special I			VOL		0.94	1		124 7TH TSP	7TH TSP
Bobbin	13	97	ODI	23	0.80	3		125 11TH TSP	F/L
C/L Special I			VOL		0.80	1		66 10TH TSP	10TH TSP
Bobbin	13	111	NQI		6.14	P	1	165 TTS-HL	F/L
Bobbin	14	23	IDI	50	30.24	P	1	18 TE-HL	F/L
H/L Special I			SAI		0.35	1		24 TE-HL	TE-HL
H/L Special I			MAI		3.51	1		16 TE-HL	TTS-HL
H/L Tubesheet	14	35	SAI		1.13	1		39 TTS-HL	TTS-HL
Bobbin	14	48	ODI	3	2.52	3		140 20TH TSP	F/L
C/L Special I			SAI		0.84	1		40 20TH TSP	20TH TSP

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BWNT TUBAN II (Version 2.1) 07/13/1995 13:57:02  
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Bobbin, C/L Special Interest, H/L Special Interest, H/L Tubesheet, U-Bend

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	14	61	ODI	32	2.50	4	124	10TH TSP	+4.42 F/L
C/L Special I			VOL		1.57	1	139	10TH TSP	+4.78 10TH TSP
Bobbin	14	67	IDI	47	8.90	P 1	16	TE-HL	+3.96 F/L
Bobbin			IDI	65	13.41	P 1	22	TE-HL	+7.85 F/L
Bobbin	14	71	IDI	50	9.70	P 1	17	TE-HL	+10.29 F/L
Bobbin			IDI	56	17.60	P 1	19	TE-HL	+16.17 F/L
Bobbin			IDI	79	17.50	P 1	27	TE-HL	+15.26 F/L
Bobbin	14	72	IDI	53	14.66	P 1	18	TE-HL	+18.37 F/L
H/L Tubesheet			MAI		2.44	1	18	TTS-HL	-3.05 TTS-HL
Bobbin	14	74	ADI		3.96	6	80	1ST TSP	+16.95 F/L
H/L Tubesheet			MAI		1.21	1	10	TTS-HL	-4.63 TTS-HL
H/L Special I			VOL		0.90	1	138	2ND TSP	-4.45 2ND TSP
H/L Tubesheet	14	78	MAI		3.62	1	27	TTS-HL	-4.16 TTS-HL
Bobbin	14	83	ADI		3.84	6	69	3RD TSP	+8.12 F/L
H/L Special I			VOL		0.56	1	47	3RD TSP	+5.34 3RD TSP
H/L Special I			VOL		0.59	1	132	3RD TSP	+8.92 3RD TSP
Bobbin	14	94	ODI	5	0.44	3	139	4TH TSP	+25.38 F/L
Bobbin			ODI	16	1.49	3	131	4TH TSP	+26.15 F/L
Bobbin			ODI	18	0.71	3	129	4TH TSP	+26.89 F/L
H/L Special I			VOL		2.26	1	120	4TH TSP	+26.44 4TH TSP
Bobbin	14	101	ADI		2.04	6	66	11TH TSP	+2.51 F/L
C/L Special I			VOL		2.30	1	135	11TH TSP	+2.58 11TH TSP
Bobbin	14	111	NQI		0.38	3	49	13TH TSP	+17.84 F/L
C/L Special I			VOL		0.60	1	99	12TH TSP	-4.60 12TH TSP
Bobbin	15	20	NQI		36.97	P 1	7	TE-HL	+5.46 F/L
H/L Special I			MAI		0.77	1	41	TE-HL	+5.22 TE-HL
Bobbin	15	30	NQI		5.04	P 1	111	TE-HL	+11.41 F/L
Bobbin	15	44	ODI	16	1.25	3	130	21ST TSP	+1.87 F/L
C/L Special I			VOL		1.05	1	101	21ST TSP	+2.18 21ST TSP
Bobbin	15	57	ODI	9	0.83	3	135	5TH TSP	+28.34 F/L
H/L Special I			VOL		1.18	1	133	6TH TSP	-16.22 6TH TSP
Bobbin	15	82	ADI		2.44	6	79	3RD TSP	+24.20 F/L
H/L Special I			VOL		0.46	1	150	3RD TSP	+27.24 3RD TSP
Bobbin	15	83	ODI	14	3.07	4	131	1ST TSP	+15.67 F/L
H/L Special I			VOL		0.66	1	167	2ND TSP	-5.75 2ND TSP
Bobbin	15	88	ODI	16	1.34	3	131	10TH TSP	+32.29 F/L
C/L Special I			VOL		1.08	1	96	9TH TSP	-12.38 9TH TSP
Bobbin	15	95	ADI		4.76	6	87	3RD TSP	+36.75 F/L
H/L Special I			VOL		1.13	1	138	4TH TSP	-7.26 4TH TSP
Bobbin	16	11	ADI		2.92	6	77	1ST TSP	+5.40 F/L
H/L Special I			VOL		1.64	1	129	1ST TSP	+5.13 1ST TSP
Bobbin	16	16	NQI		7.14	P 1	146	TE-HL	+14.27 F/L
Bobbin	16	18	NQI		11.25	P 1	159	TE-HL	+11.42 F/L
Bobbin	16	52	ODI	23	0.54	3	124	10TH TSP	+26.19 F/L
C/L Special I			VOL		0.56	1	85	10TH TSP	+26.83 10TH TSP
Bobbin	16	66	NQI		3.29	P 1	35	TE-HL	+10.36 F/L
Bobbin	16	79	ADI		3.97	6	87	5TH TSP	+5.54 F/L
H/L Special I			VOL		0.57	1	139	5TH TSP	+6.39 5TH TSP
Bobbin	16	100	ODI	28	0.58	3	122	13TH TSP	+2.15 F/L
C/L Special I			VOL		0.71	1	129	13TH TSP	+2.54 13TH TSP
H/L Tubesheet	17	30	SAI		0.86	1	162	TTS-HL	-4.77 TTS-HL
H/L Tubesheet	17	60	SAI		0.73	1	19	TTS-HL	-0.93 TTS-HL
Bobbin	17	63	ADI		4.10	6	56	4TH TSP	+13.98 F/L
Bobbin			ADI		4.41	6	69	4TH TSP	+11.46 F/L
Bobbin			ADI		6.60	6	73	4TH TSP	+19.82 F/L
H/L Special I			VOL		0.48	1	140	4TH TSP	+12.94 4TH TSP
H/L Special I			VOL		0.80	1	137	4TH TSP	+18.59 4TH TSP
H/L Special I			VOL		0.87	1	130	4TH TSP	+16.08 4TH TSP
H/L Special I			VOL		1.50	1	113	4TH TSP	+22.86 4TH TSP
Bobbin	17	70	ADI		3.09	6	71	17TH TSP	+3.93 F/L
C/L Special I			VOL		0.67	1	95	17TH TSP	+3.98 17TH TSP
Bobbin	17	71	ADI		2.24	6	77	2ND TSP	+8.07 F/L
H/L Special I			VOL		0.50	1	101	2ND TSP	+9.36 2ND TSP
Bobbin	17	72	ADI		1.94	6	52	5TH TSP	+18.62 F/L
H/L Special I			VOL		0.59	1	90	5TH TSP	+20.76 5TH TSP

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	17	98	ADI		2.87	6	77	10TH TSP	F/L
C/L Special I			VOL		0.53	1	114	10TH TSP	10TH TSP
Bobbin	18	11	NQI		25.21	P 1	12	TE-HL	F/L
Bobbin	18	19	ADI		0.91	6	64	13TH TSP	F/L
C/L Special I			VOL		0.29	1	119	13TH TSP	13TH TSP
Bobbin	18	20	ODI	34	1.59	3	115	22ND TSP	F/L
C/L Special I			SAI		0.74	1	37	21ST TSP	21ST TSP
Bobbin	18	29	NQI		9.16	P 1	150	TE-HL	F/L
H/L Special I			MAI		4.13	1	203	TE-HL	TTS-HL
Bobbin	18	31	NQI		7.56	P 1	40	TE-HL	F/L
H/L Tubesheet			SAI		2.00	1	14	TTS-HL	TTS-HL
H/L Special I			SAI		1.11	1	20	TE-HL	TE-HL
H/L Tubesheet	18	60	SAI		2.48	1	16	TTS-HL	TTS-HL
H/L Tubesheet	18	61	SAI		3.03	1	29	TTS-HL	TTS-HL
Bobbin	18	62	ADI		2.94	6	45	14TH TSP	F/L
C/L Special I			VOL		0.34	1	141	14TH TSP	14TH TSP
H/L Tubesheet	18	65	SAI		1.82	1	20	TTS-HL	TTS-HL
Bobbin	18	90	ADI		3.91	6	73	5TH TSP	F/L
H/L Special I			VOL		0.81	1	152	6TH TSP	6TH TSP
Bobbin	18	111	NQI		0.47	3	84	2ND TSP	F/L
Bobbin			ADI		5.07	6	76	11TH TSP	F/L
H/L Special I			VOL		0.98	1	116	2ND TSP	2ND TSP
C/L Special I			VOL		0.93	1	63	11TH TSP	11TH TSP
Bobbin	19	48	NQI		0.37	3	110	12TH TSP	F/L
C/L Special I			VOL		0.67	1	97	12TH TSP	12TH TSP
Bobbin	19	51	ADI		2.96	6	81	6TH TSP	F/L
Bobbin			ADI		3.35	6	77	19TH TSP	F/L
H/L Special I			VOL		1.09	1	124	7TH TSP	7TH TSP
C/L Special I			VOL		0.52	1	89	19TH TSP	19TH TSP
H/L Tubesheet	19	63	MAI		1.36	1	225	TTS-HL	TTS-HL
H/L Tubesheet			SAI		1.54	1	13	TTS-HL	TTS-HL
Bobbin	19	66	NQI		1.45	3	29	18TH TSP	F/L
Bobbin	19	71	ADI		3.19	6	68	1ST TSP	F/L
H/L Special I			VOL		0.90	1	114	1ST TSP	1ST TSP
Bobbin	19	80	NQI		0.64	3	62	22ND TSP	F/L
Bobbin	19	85	ODI	4	0.85	3	141	5TH TSP	F/L
H/L Special I			VOL		0.78	1	113	6TH TSP	6TH TSP
Bobbin	19	86	ADI		5.76	6	33	8TH TSP	F/L
U-Bend			VOL		0.69	1	112	8TH TSP	8TH TSP
Bobbin	19	95	NQI		0.75	3	110	10TH TSP	F/L
C/L Special I			VOL		1.23	1	114	9TH TSP	9TH TSP
Bobbin	19	97	ADI		3.77	6	76	4TH TSP	F/L
H/L Special I			VOL		1.53	1	154	4TH TSP	4TH TSP
Bobbin	19	100	ODI	16	0.38	3	132	4TH TSP	F/L
H/L Special I			VOL		0.76	1	159	5TH TSP	5TH TSP
Bobbin	20	20	IDI	76	17.30	P 1	71	TE-HL	F/L
H/L Tubesheet	20	44	SAI		4.27	1	12	TTS-HL	TTS-HL
H/L Tubesheet	20	53	SAI		0.20	1	26	TTS-HL	TTS-HL
Bobbin	20	82	ADI		2.88	6	63	15TH TSP	F/L
C/L Special I			VOL		1.41	1	58	15TH TSP	15TH TSP
Bobbin	20	87	ADI		4.83	6	69	5TH TSP	F/L
H/L Special I			VOL		1.41	1	116	6TH TSP	6TH TSP
H/L Tubesheet	20	89	VOL		1.04	1	139	TTS-HL	TTS-HL
Bobbin	20	97	ADI		2.02	6	57	13TH TSP	F/L
C/L Special I			VOL		0.77	1	103	12TH TSP	12TH TSP
Bobbin	20	98	ODI	25	0.68	3	125	3RD TSP	F/L
Bobbin			ODI	28	0.60	3	122	2ND TSP	F/L
H/L Special I			VOL		0.98	1	109	2ND TSP	2ND TSP
H/L Special I			VOL		1.17	1	149	3RD TSP	3RD TSP
Bobbin	20	99	ODI	18	0.94	3	130	16TH TSP	F/L
C/L Special I			VOL		0.64	1	79	16TH TSP	16TH TSP
H/L Tubesheet	21	22	NQI		1.04	1	23	TTS-HL	TTS-HL
Bobbin	21	36	NQI		9.07	P 1	148	TE-HL	F/L
H/L Tubesheet			SAI		1.51	1	24	TTS-HL	TTS-HL
H/L Special I			MAI		0.84	1	31	TTS-HL	TTS-HL



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:57:02  
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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I			SAI		1.55	1	18	TTS-HL	-10.21
H/L Special I			SAI		2.02	1	24	TTS-HL	-4.32
H/L Special I			SAI		2.42	1	4	TTS-HL	-3.22
H/L Special I			SAI		2.75	1	11	TTS-HL	-6.25
Bobbin	21	56	NQI		0.88	3	90	11TH TSP	+5.49
C/L Special I			VOL		0.98	1	85	11TH TSP	+5.90
Bobbin	21	57	ODI	6	0.49	3	141	5TH TSP	+23.76
H/L Special I			VOL		1.02	1	128	6TH TSP	-20.26
H/L Special I			VOL		1.11	1	138	6TH TSP	-10.38
Bobbin	21	69	WAR	14	1.22	P 4	0	2AVB	+0.00
Bobbin			WAR	36	2.45	P 4	0	3AVB	+0.00
U-Bend			VOL		0.96	P 1	121	3AVB	+0.00
Bobbin	21	72	WAR	16	0.69	P 4	0	3AVB	+0.00
H/L Special I	21	86	VOL		0.88	1	40	1ST TSP	-0.57
Bobbin	22	59	ADI		2.71	6	75	11TH TSP	+31.85
C/L Special I			VOL		0.74	1	309	10TH TSP	-12.05
Bobbin	22	94	ADI		4.22	6	76	5TH TSP	+38.29
H/L Special I			VOL		0.62	1	57	6TH TSP	-5.99
Bobbin	22	106	NQI		3.70	P 1	26	TE-CL	+19.07
Bobbin			IDI	13	1.22	P 1	131	TTS-CL	-1.30
Bobbin	22	107	NQI		3.80	P 1	24	TE-CL	+19.00
Bobbin			NQI		6.14	P 1	21	TE-CL	+15.13
Bobbin			NQI		6.36	P 1	22	TE-CL	+9.28
Bobbin	23	14	NQI		6.37	P 1	142	TE-HL	+18.01
H/L Tubesheet			SAI		5.85	1	23	TTS-HL	-3.19
H/L Special I			MAI		4.99	1	33	TTS-HL	-3.05
Bobbin	23	27	NQI		11.54	P 1	14	TE-HL	+12.33
H/L Special I			MAI		4.32	1	24	TTS-HL	-9.19
H/L Tubesheet	23	48	SAI		0.75	1	19	TTS-HL	-2.41
H/L Tubesheet	23	64	SAI		0.31	1	40	TTS-HL	+0.00
H/L Tubesheet	23	73	SAI		1.17	1	24	TTS-HL	-0.08
Bobbin	23	102	ADI		7.26	6	77	6TH TSP	+33.18
H/L Special I			VOL		2.19	1	110	7TH TSP	-12.00
Bobbin	24	42	ADI		3.71	6	71	18TH TSP	+14.16
C/L Special I			VOL		0.64	1	103	17TH TSP	-8.36
Bobbin	24	58	IDI	45	22.76	P 1	14	TE-HL	+11.47
H/L Special I			MAI		1.39	1	33	TE-HL	+16.36
H/L Special I			MAI		1.75	1	27	TE-HL	+13.09
H/L Special I			MAI		3.51	1	18	TE-HL	+14.93
H/L Tubesheet	24	62	SAI		0.58	1	52	TTS-HL	-0.04
Bobbin	24	81	IDI	40	6.26	P 1	160	TE-HL	+3.22
Bobbin	24	86	ODI	14	0.76	3	134	4TH TSP	+38.15
H/L Special I			VOL		0.36	1	146	5TH TSP	-6.69
Bobbin	24	88	ODI	27	0.81	3	123	5TH TSP	+15.35
H/L Special I			VOL		1.55	1	128	5TH TSP	+17.13
Bobbin	24	102	NQI		0.48	3	108	5TH TSP	+23.50
H/L Special I			VOL		0.90	1	161	5TH TSP	+26.40
Bobbin	24	103	NQI		3.35	P 1	15	TE-HL	+11.48
H/L Tubesheet	25	18	VOL		0.42	1	156	TTS-HL	-0.25
Bobbin	25	22	NQI		14.59	P 1	165	TE-HL	+13.28
H/L Tubesheet	25	24	SAI		1.40	1	20	TTS-HL	-4.21
Bobbin	25	25	ADI		4.17	6	69	5TH TSP	+11.40
H/L Special I			VOL		5.11	1	23	5TH TSP	+11.49
Bobbin	25	60	WAR	7	0.34	P 4	0	1AVB	+0.00
Bobbin	25	62	ADI		1.99	6	48	6TH TSP	+29.39
Bobbin			ADI		2.84	6	75	6TH TSP	+33.54
Bobbin	25	67	ADI		3.16	6	30	1AVB	+8.23
Bobbin	25	72	ADI		3.59	6	52	15TH TSP	+6.31
Bobbin			NQI		0.51	3	109	18TH TSP	+18.54
C/L Special I			VOL		0.38	1	100	15TH TSP	+9.90
C/L Special I			VOL		0.40	1	125	15TH TSP	+0.47
Bobbin	25	74	ODI	5	1.28	3	141	5TH TSP	+16.37
H/L Special I			VOL		2.19	1	152	5TH TSP	+16.63
Bobbin	25	89	NQI		0.45	3	105	18TH TSP	+6.14
Bobbin	25	94	NQI		0.75	3	106	7TH TSP	+20.44

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin			ODI	4	1.65	3	142	4TH TSP	+37.62 F/L
Bobbin			ODI	23	1.00	3	126	7TH TSP	+24.99 F/L
Bobbin			ODI	24	0.86	4	124	6TH TSP	+19.90 F/L
Bobbin			ODI	27	0.99	3	123	5TH TSP	+24.08 F/L
H/L Special I			VOL		0.60	1	71	6TH TSP	+19.70 6TH TSP
H/L Special I			VOL		1.06	1	109	5TH TSP	-6.71 5TH TSP
H/L Special I			VOL		1.16	1	119	7TH TSP	+24.87 7TH TSP
H/L Special I			VOL		1.24	1	129	7TH TSP	+20.01 7TH TSP
H/L Special I			VOL		2.18	1	132	5TH TSP	+24.00 5TH TSP
Bobbin	25	97	NQI		5.52	3	176	8TH TSP	+18.62 F/L
U-Bend			VOL		2.88	1	160	8TH TSP	+14.53 8TH TSP
Bobbin	25	108	NQI		7.10	P 1	142	TTS-HL	-0.81 F/L
Bobbin	26	8	NQI		0.46	3	59	16TH TSP	+7.05 F/L
C/L Special I			VOL		0.51	1	106	16TH TSP	+7.14 15TH TSP
Bobbin	26	27	IDI	88	14.06	P 1	48	TE-HL	+15.26 F/L
H/L Special I			SAI		15.97	1	29	TTS-HL	-6.16 TTS-HL
Bobbin	26	41	WAR	11	0.55	P 4	0	2AVB	+0.00 F/L
H/L Tubesheet	26	42	SAI		2.63	1	20	TTS-HL	-3.94 TTS-HL
Bobbin	26	49	WAR	10	0.50	P 4	0	2AVB	+0.00 F/L
Bobbin	26	71	ADI		3.15	6	73	18TH TSP	+10.87 F/L
C/L Special I			VOL		0.14	1	125	18TH TSP	+10.82 18TH TSP
Bobbin	26	77	ADI		9.42	6	54	1AVB	+6.69 F/L
U-Bend			VOL		3.06	1	8	1AVB	+5.97 1AVB
Bobbin	26	88	NQI		1.39	3	157	1ST TSP	+13.73 F/L
H/L Special I			VOL		0.38	1	39	1ST TSP	+14.78 1ST TSP
Bobbin	26	101	ODI	16	0.81	3	132	5TH TSP	+5.69 F/L
Bobbin			ODI	19	0.61	4	135	5TH TSP	+31.54 F/L
H/L Special I			VOL		0.65	1	44	5TH TSP	+31.07 6TH TSP
H/L Special I			VOL		0.70	1	90	5TH TSP	+5.49 6TH TSP
Bobbin	27	32	WAR	19	1.10	P 4	0	3AVB	+0.00 F/L
Bobbin	27	34	WAR	16	0.86	P 4	0	3AVB	+0.00 F/L
H/L Tubesheet	27	38	VOL		0.41	1	155	TTS-HL	-0.48 TTS-HL
H/L Tubesheet	27	58	SCI		0.39	3	62	TTS-HL	-0.40 TTS-HL
Bobbin	27	94	ADI		5.88	6	47	7TH TSP	+17.09 F/L
H/L Special I			VOL		0.83	1	136	7TH TSP	+17.34 7TH TSP
Bobbin	28	13	IDI	64	7.74	P 1	85	TE-HL	+15.24 F/L
H/L Special I			SAI		5.86	1	25	TTS-HL	-6.16 TTS-HL
Bobbin	28	41	WAR	16	0.87	P 4	0	3AVB	+0.00 F/L
Bobbin	28	56	NQI		1.45	3	145	19TH TSP	+5.05 F/L
Bobbin	29	12	WAR	14	0.84	P 4	0	1AVB	+0.00 F/L
Bobbin	29	14	NQI		3.17	3	19	13TH TSP	+13.60 F/L
Bobbin	29	57	WAR	27	1.77	P 4	167	1AVB	+0.00 F/L
Bobbin			IDI	92	1.41	P 1	45	TE-HL	+15.34 F/L
Bobbin	29	78	NQI		0.43	3	108	12TH TSP	+7.49 F/L
Bobbin			NQI		0.80	3	86	17TH TSP	+9.27 F/L
C/L Special I			VOL		0.90	1	121	12TH TSP	+8.39 12TH TSP
C/L Special I			VOL		0.97	1	109	16TH TSP	-1.05 16TH TSP
Bobbin	29	87	WAR	11	0.66	P 4	0	1AVB	+0.00 F/L
Bobbin	30	25	NQI		0.32	P 1	96	5TH TSP	-0.18 F/L
Bobbin	30	103	WAR	10	0.63	P 4	0	2AVB	+0.00 F/L
Bobbin			WAR	11	0.64	P 4	0	1AVB	+0.00 F/L
H/L Tubesheet	31	15	SAI		0.51	1	24	TTS-HL	-1.26 TTS-HL
Bobbin	31	65	WAR	18	1.20	P 4	0	1AVB	+0.00 F/L
Bobbin	31	93	NQI		0.92	P 1	64	2ND TSP	+0.18 F/L
H/L Special I			VOL		0.89	1	84	2ND TSP	+0.16 2ND TSP
Bobbin	31	98	WAR	14	0.84	P 4	0	2AVB	+0.00 F/L
Bobbin	32	53	NQI		3.77	P 1	152	TTS-CL	-1.22 F/L
Bobbin	32	63	ADI		4.64	6	64	10TH TSP	+3.32 F/L
C/L Special I			VOL		0.57	1	73	10TH TSP	+2.72 10TH TSP
Bobbin	32	78	IDI	58	1.88	P 1	93	TE-HL	+5.75 F/L
Bobbin	32	92	ODI	11	0.62	3	136	18TH TSP	+9.16 F/L
C/L Special I			VOL		0.58	1	114	18TH TSP	+9.18 18TH TSP
Bobbin	32	93	NQI		0.50	3	72	2ND TSP	-1.27 F/L
Bobbin			ODI	14	0.33	3	132	11TH TSP	+36.11 F/L
C/L Special I			VOL		0.86	1	75	11TH TSP	+35.85 11TH TSP

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	32	98	IDI	21	1.61	P 1	123	TE-HL	+10.55
Bobbin	33	12	WAR	8	0.38	P 4	0	1AVB	+0.00
Bobbin			WAR	13	0.62	P 4	0	4AVB	+0.00
Bobbin			WAR	19	1.02	P 4	0	2AVB	+0.00
Bobbin			WAR	25	1.50	P 4	0	3AVB	+0.00
Bobbin	33	13	WAR	11	0.55	P 4	0	1AVB	+0.00
Bobbin	33	45	NQI		2.22	P 1	46	TE-CL	+16.01
Bobbin	33	48	WAR	10	0.49	P 4	0	1AVB	+0.00
Bobbin	33	51	WAR	17	0.90	P 4	0	1AVB	+0.00
Bobbin	33	73	ODI	18	2.87	4	128	6TH TSP	+36.96
H/L Special I			VOL		1.46	1	106	7TH TSP	-6.57
Bobbin	34	46	IDI	86	5.74	P 1	59	TE-HL	+8.02
Bobbin	34	48	WAR	9	0.45	P 4	0	1AVB	+0.00
Bobbin	34	74	WAR	10	0.47	P 4	0	3AVB	+0.00
Bobbin	34	85	WAR	13	0.66	P 4	0	1AVB	+0.00
Bobbin	34	96	NQI		0.57	3	50	3RD TSP	+24.80
H/L Special I			VOL		1.24	1	127	4TH TSP	-19.20
Bobbin	35	33	WAR	18	0.97	P 4	0	3AVB	+0.00
Bobbin	35	45	NQI		0.62	3	92	18TH TSP	+11.51
C/L Special I			VOL		0.56	1	93	18TH TSP	+12.04
Bobbin	35	89	NQI		0.32	3	62	3RD TSP	+30.29
H/L Special I			VOL		0.50	1	163	4TH TSP	-13.38
Bobbin	36	35	NQI		0.86	3	153	13TH TSP	+16.64
C/L Special I			VOL		0.36	1	44	12TH TSP	-6.24
Bobbin	36	40	NQI		0.31	3	62	16TH TSP	+7.12
Bobbin	36	46	NQI		0.65	3	152	TTS-CL	+5.86
Bobbin			NQI		0.46	3	107	18TH TSP	+5.65
C/L Special I			VOL		0.98	1	112	TTS-CL	+4.93
C/L Special I			VOL		0.64	1	87	18TH TSP	+5.45
Bobbin	36	49	WAR	22	1.51	P 4	0	1AVB	+0.00
Bobbin			WAR	25	1.89	P 4	0	2AVB	+0.00
Bobbin	36	54	ODI	8	1.02	3	143	6TH TSP	+4.64
H/L Special I			VOL		0.64	1	126	6TH TSP	+4.47
Bobbin	36	67	ODI	90	1.29	P 1	47	3RD TSP	+0.05
H/L Special I			MAI		0.62	P 1	31	3RD TSP	-0.08
Bobbin	36	72	NQI		0.89	3	133	4TH TSP	+11.05
Bobbin			WAR	21	1.19	P 4	0	1AVB	+0.00
Bobbin			WAR	22	1.33	P 4	0	2AVB	+0.00
H/L Special I			VOL		1.80	1	139	4TH TSP	+12.01
Bobbin	36	88	WAR	12	0.60	P 4	0	2AVB	+0.00
Bobbin	36	95	NQI		0.15	P 1	110	3RD TSP	-0.05
Bobbin	37	29	ADI		3.27	6	67	7TH TSP	+23.85
Bobbin			ODI	14	0.41	3	136	7TH TSP	+35.82
H/L Special I			VOL		0.29	1	128	8TH TSP	-6.71
H/L Special I			VOL		0.36	1	121	8TH TSP	-24.68
H/L Special I			VOL		0.44	1	102	8TH TSP	-8.66
H/L Special I			VOL		0.44	1	110	8TH TSP	-30.19
H/L Special I			VOL		0.58	1	118	8TH TSP	-21.02
Bobbin	37	44	IDI	67	14.46	P 1	22	TE-HL	+14.18
Bobbin	37	69	NQI		0.42	3	110	1ST TSP	+14.99
Bobbin			ADI		2.44	6	62	15TH TSP	+2.50
H/L Special I			VOL		1.24	1	144	2ND TSP	-4.22
C/L Special I			VOL		0.36	1	120	15TH TSP	+2.01
Bobbin	37	96	NQI		0.43	3	104	22ND TSP	+5.11
Bobbin	37	99	ODI	14	1.92	3	135	10TH TSP	+8.62
C/L Special I			VOL		1.83	1	116	10TH TSP	+7.86
Bobbin	38	18	WAR	21	1.26	P 4	0	3AVB	+0.00
Bobbin	38	22	WAR	19	1.07	P 4	0	1AVB	+0.00
Bobbin	38	44	ADI		4.71	6	77	3RD TSP	+4.07
Bobbin			ADI		3.77	6	79	12TH TSP	+23.98
H/L Special I			VOL		1.22	1	137	3RD TSP	+4.21
C/L Special I			VOL		1.22	1	114	12TH TSP	+23.73
Bobbin	38	46	WAR	13	0.63	P 4	0	1AVB	+0.00
Bobbin	38	47	WAR	15	0.79	P 4	0	2AVB	+0.00
Bobbin			WAR	26	1.70	P 4	0	3AVB	+0.00

## ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

## INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	38	70	WAR	14	0.77	P 4	0	1AVB	+0.00 F/L
Bobbin	38	79	WAR	9	0.49	P 4	0	1AVB	+0.00 F/L
Bobbin			WAR	19	1.20	P 4	0	2AVB	+0.00 F/L
Bobbin			WAR	21	1.34	P 4	0	3AVB	+0.00 F/L
Bobbin	38	88	ODI	8	0.63	3	140	3RD TSP	+15.80 F/L
Bobbin			NQI		0.37	P 1	52	2ND TSP	+0.10 F/L
H/L Special I			VOL		0.29	1	104	3RD TSP	+5.30 3RD TSP
H/L Special I			VOL		0.38	1	106	3RD TSP	+7.60 3RD TSP
H/L Special I			VOL		0.50	1	99	3RD TSP	+12.66 3RD TSP
H/L Special I			VOL		0.72	1	121	3RD TSP	+15.91 3RD TSP
H/L Special I			SAI		0.24	P 1	122	2ND TSP	+0.02 2ND TSP
Bobbin	39	27	WAR	15	0.80	P 4	0	1AVB	+0.00 F/L
Bobbin	39	29	WAR	17	0.92	P 4	0	4AVB	+0.00 F/L
Bobbin			WAR	21	1.27	P 4	0	3AVB	+0.00 F/L
Bobbin			WAR	23	2.03	P 4	0	2AVB	+0.00 F/L
Bobbin	39	31	WAR	16	0.86	P 4	0	2AVB	+0.00 F/L
Bobbin	39	55	ADI		1.28	6	87	18TH TSP	+2.02 F/L
Bobbin	39	72	ODI	15	1.63	3	133	TTS-CL	+1.66 F/L
Bobbin	39	88	WAR	10	0.52	P 4	0	3AVB	+0.00 F/L
Bobbin	40	19	WAR	13	0.68	P 4	0	1AVB	+0.00 F/L
Bobbin	40	51	WAR	17	0.90	P 4	0	1AVB	+0.00 F/L
Bobbin	40	62	WAR	29	1.70	P 4	0	1AVB	+0.00 F/L
Bobbin	40	65	NQI		0.98	3	110	6TH TSP	+31.17 F/L
H/L Special I			VOL		1.99	1	136	7TH TSP	-13.09 7TH TSP
Bobbin	40	96	NQI		0.56	P 1	55	5TH TSP	+0.07 F/L
Bobbin	41	43	NQI		2.60	P 1	158	TE-HL	+16.65 F/L
Bobbin	41	44	ODI	32	1.01	3	118	4TH TSP	+4.10 F/L
H/L Special I			VOL		1.17	1	112	4TH TSP	+4.01 4TH TSP
Bobbin	41	46	WAR	22	1.29	P 4	0	1AVB	+0.00 F/L
Bobbin	41	50	ODI	7	1.47	3	138	13TH TSP	+19.84 F/L
C/L Special I			VOL		0.92	1	111	12TH TSP	-2.29 12TH TSP
Bobbin	41	62	NQI		0.52	P 1	56	18TH TSP	+0.53 F/L
Bobbin	41	73	ODI	8	0.82	3	140	19TH TSP	+2.44 F/L
C/L Special I			VOL		0.53	1	124	19TH TSP	+2.19 19TH TSP
Bobbin	42	81	WAR	15	0.86	P 4	0	3AVB	+0.00 F/L
Bobbin	42	83	WAR	14	0.76	P 4	0	2AVB	+0.00 F/L
Bobbin	42	86	NQI		0.48	3	115	12TH TSP	+19.84 F/L
Bobbin			ODI	10	1.17	3	139	12TH TSP	+1.58 F/L
C/L Special I			VOL		0.49	1	52	12TH TSP	+19.27 12TH TSP
C/L Special I			VOL		0.50	1	116	12TH TSP	+7.07 12TH TSP
C/L Special I			VOL		0.69	1	105	12TH TSP	+10.44 12TH TSP
C/L Special I			VOL		0.73	1	109	12TH TSP	+1.38 12TH TSP
Bobbin	42	87	WAR	22	1.43	P 4	0	3AVB	+0.00 F/L
Bobbin	42	91	WAR	23	1.46	P 4	0	2AVB	+0.00 F/L
Bobbin	43	35	ODI	12	0.54	3	134	7TH TSP	+2.67 F/L
H/L Special I			VOL		0.61	1	117	7TH TSP	+2.69 7TH TSP
H/L Special I			VOL		0.75	1	143	7TH TSP	+4.46 7TH TSP
Bobbin	43	62	WAR	16	0.88	P 4	0	1AVB	+0.00 F/L
Bobbin	43	64	WAR	30	2.34	P 4	0	1AVB	+0.00 F/L
Bobbin	43	82	WAR	17	0.96	P 4	0	1AVB	+0.00 F/L
Bobbin	43	87	WAR	12	0.81	P 4	0	1AVB	+0.00 F/L
Bobbin	43	93	NQI		0.38	3	108	7TH TSP	+9.57 F/L
H/L Special I			SAI		0.12	1	85	7TH TSP	+9.71 7TH TSP
Bobbin	44	30	ODI	11	0.65	3	135	18TH TSP	+4.34 F/L
C/L Special I			VOL		0.70	1	101	18TH TSP	+1.54 18TH TSP
C/L Special I			VOL		0.87	1	103	18TH TSP	+4.45 18TH TSP
Bobbin	44	38	ODI	9	0.99	3	136	13TH TSP	+5.46 F/L
C/L Special I			VOL		0.46	1	114	13TH TSP	+5.67 13TH TSP
Bobbin	44	46	ADI		2.21	6	73	12TH TSP	+32.94 F/L
C/L Special I			VOL		0.92	1	114	11TH TSP	-11.37 11TH TSP
Bobbin	44	53	ODI	10	1.38	4	138	1ST TSP	+8.75 F/L
H/L Special I			VOL		0.54	1	123	1ST TSP	+6.84 1ST TSP
H/L Special I			VOL		0.70	1	118	1ST TSP	+8.68 1ST TSP
Bobbin	44	64	NQI		2.52	3	17	TTS-HL	+2.98 F/L
Bobbin	45	47	WAR	18	1.11	P 4	0	1AVB	+0.00 F/L



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BWNT TUBAN II (Version 2.1) 07/13/1995 13:57:02

McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	45	64	IDI	27	4.62	P 1	7	TTS-CL	+0.36
Bobbin	45	87	NQI		0.93	P 1	43	3RD TSP	-0.05
H/L Special I			SAI		0.54	1	77	3RD TSP	+0.00
Bobbin	46	34	ADI		5.33	6	80	7TH TSP	+34.66
H/L Special I			VOL		0.66	1	133	8TH TSP	-9.25
Bobbin	46	44	ODI	4	1.56	3	140	10TH TSP	+15.00
C/L Special I			VOL		1.14	1	94	10TH TSP	+15.23
Bobbin	47	53	ADI		3.43	6	66	15TH TSP	+6.98
C/L Special I			VOL		0.20	1	139	15TH TSP	+6.55
H/L Tubesheet	47	74	VOL		0.36	1	114	TTS-HL	-2.34
Bobbin	47	78	ODI	8	2.08	3	141	3RD TSP	+20.49
H/L Special I			VOL		0.68	1	114	3RD TSP	+20.81
Bobbin	48	48	NQI		0.23	P 1	107	6TH TSP	+0.10
Bobbin	48	50	WAR	10	1.80	P 2	0	17TH TSP	+0.00
Bobbin	48	70	WAR	4	0.75	P 2	0	16TH TSP	+0.00
Bobbin	48	71	WAR	6	1.11	P 2	0	16TH TSP	+0.00
Bobbin	49	51	WAR	15	2.77	P 2	0	17TH TSP	+0.00
Bobbin	49	53	WAR	9	1.55	P 2	0	17TH TSP	+0.00
C/L Special I			VOL		1.41	P 1	160	17TH TSP	+0.00
Bobbin	49	55	NQI		0.39	P 1	84	5TH TSP	-0.03
Bobbin			WAR	11	1.95	P 2	0	17TH TSP	+0.00
Bobbin	49	59	ODI	25	0.93	3	126	13TH TSP	+14.45
C/L Special I			VOL		1.27	1	112	13TH TSP	+14.66
H/L Tubesheet	49	79	SAI		1.24	1	55	TTS-HL	+0.00

Total Indications Found = 674

Total Tubes Found = 344

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I	1	12	VOL		1.24	1	121	5TH TSP	-7.19
Bobbin	2	6	ODI	14	0.71	4	120	TTS-CL	+3.54
Bobbin			ADI		2.66	6	74	12TH TSP	+35.55
C/L Special I			VOL		0.40	1	137	TTS-CL	+3.63
C/L Special I			VOL		1.05	1	153	11TH TSP	-8.94
Bobbin	2	12	ODI	29	0.90	3	120	8TH TSP	+1.15
Bobbin	2	28	ADI		7.58	6	70	3RD TSP	+11.48
H/L Special I			VOL		0.68	1	130	3RD TSP	+12.02
Bobbin	2	61	IDI	27	6.43	P 1	118	TE-HL	+14.58
Bobbin	2	103	NQI		0.42	3	110	19TH TSP	+18.65
C/L Special I			VOL		0.69	1	15	19TH TSP	+18.73
Bobbin	3	12	NQI		0.98	3	56	22ND TSP	+1.76
Bobbin			ODI	10	1.85	4	131	16TH TSP	+18.24
C/L Special I			VOL		0.81	1	138	16TH TSP	+18.02
C/L Special I			VOL		1.77	1	133	22ND TSP	+1.66
Bobbin	3	13	ODI	68	0.71	P 1	76	3RD TSP	-0.05
H/L Special I			SAI		0.60	1	47	3RD TSP	-0.01
Bobbin	3	22	ODI	12	2.95	4	142	6TH TSP	+10.44
H/L Special I			VOL		0.95	1	101	6TH TSP	+9.54
Bobbin	3	62	NQI		1.27	P 1	159	3RD TSP	+0.03
Bobbin	3	64	ODI	9	1.14	3	137	11TH TSP	+4.81
Bobbin			ODI	13	0.98	3	133	11TH TSP	+3.39
Bobbin			ODI	18	1.17	3	138	1ST TSP	+5.34
H/L Special I			VOL		1.06	1	133	1ST TSP	+5.62
C/L Special I			VOL		0.50	1	49	11TH TSP	+4.89
C/L Special I			VOL		0.80	1	129	11TH TSP	+3.57
Bobbin	3	75	ODI	14	0.89	4	127	19TH TSP	+27.06
C/L Special I			VOL		0.43	1	130	19TH TSP	+26.37
Bobbin	3	83	ADI		2.40	6	58	10TH TSP	+10.75
C/L Special I			VOL		0.36	1	144	10TH TSP	+10.66
Bobbin	3	87	ADI		3.62	6	62	16TH TSP	+12.08
Bobbin			ADI		4.61	6	54	14TH TSP	+4.82
Bobbin			ODI	3	1.07	4	139	10TH TSP	+19.09
Bobbin			ODI	15	0.71	4	126	19TH TSP	+8.53
Bobbin			ODI	25	1.01	4	115	10TH TSP	+4.39
C/L Special I			VOL		0.51	1	112	19TH TSP	+8.61
C/L Special I			VOL		0.54	1	55	16TH TSP	+12.02
C/L Special I			VOL		0.57	1	136	10TH TSP	+19.35
C/L Special I			VOL		0.58	1	125	10TH TSP	+4.13
C/L Special I			VOL		0.92	1	130	14TH TSP	+4.79
H/L Tubesheet	3	91	SAI		0.79	1	28	TTS-HL	-0.11
H/L Tubesheet	3	103	VOL		0.36	1	129	TTS-HL	-0.51
Bobbin	4	4	ADI		2.16	6	60	10TH TSP	+33.85
C/L Special I			VOL		0.73	1	30	9TH TSP	-10.74
Bobbin	4	7	ADI		6.08	6	82	6TH TSP	+24.68
Bobbin			NQI		0.73	3	125	12TH TSP	+24.99
C/L Special I			VOL		0.79	1	98	12TH TSP	+25.22
Bobbin	4	40	IDI	82	8.76	P 1	28	TE-HL	+1.56
U-Bend	4	46	VOL		1.16	1	108	8TH TSP	+13.69
U-Bend	4	48	VOL		1.19	1	23	8TH TSP	+14.60
U-Bend	4	49	VOL		1.18	1	62	9TH TSP	+6.26
Bobbin	4	61	NQI		5.78	P 1	157	TE-HL	+14.90
Bobbin	4	84	ODI	87	3.38	P 1	58	3RD TSP	-0.09
H/L Special I			SAI		2.42	P 1	25	3RD TSP	-0.08
Bobbin	4	86	ODI	23	0.90	3	123	11TH TSP	+13.09
C/L Special I			VOL		0.68	1	95	11TH TSP	+13.17
H/L Tubesheet	4	112	MAI		1.10	1	6	TTS-HL	+0.03
Bobbin	5	1	ODI	26	0.52	3	120	13TH TSP	+9.08
C/L Special I			VOL		0.83	1	122	13TH TSP	+9.05
Bobbin	5	11	NQI		0.50	3	110	13TH TSP	+13.22
C/L Special I			VOL		0.58	1	111	13TH TSP	+13.21
Bobbin	5	44	ODI	18	0.78	P 1	131	2ND TSP	+0.06
H/L Special I			VOL		0.51	1	105	2ND TSP	+1.06
Bobbin	5	45	ADI		2.95	6	70	15TH TSP	+4.79
C/L Special I			VOL		0.54	1	68	15TH TSP	+4.52

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BWNT TUBAN II (Version 2.1) 07/13/1995 14:03:21

McGuire Nuclear Station - Unit Two

S/G D

12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	5	52	ODI	17	0.42	3	129	18TH TSP	+16.27
C/L Special I			VOL		0.43	1	120	17TH TSP	-5.49
Bobbin	5	56	ADI		1.11	6	59	19TH TSP	+2.13
Bobbin	5	62	ODI	15	0.78	3	131	13TH TSP	+16.66
Bobbin			ODI	30	0.80	4	113	18TH TSP	+9.81
C/L Special I			VOL		0.54	1	114	18TH TSP	+9.82
C/L Special I			VOL		0.92	1	138	12TH TSP	-5.53
Bobbin	5	75	ODI	6	1.89	3	140	20TH TSP	+5.26
C/L Special I			VOL		1.11	1	110	20TH TSP	+5.89
Bobbin	6	3	ADI		5.49	6	70	22ND TSP	+12.36
C/L Special I			VOL		0.82	1	98	22ND TSP	+12.08
Bobbin	6	10	NQI		0.52	3	119	18TH TSP	+20.32
Bobbin			NQI		0.99	3	142	11TH TSP	+14.59
Bobbin			NQI		1.05	3	130	15TH TSP	+7.98
C/L Special I			VOL		0.37	1	102	17TH TSP	-1.67
C/L Special I			VOL		0.44	1	121	11TH TSP	+14.69
C/L Special I			VOL		0.76	1	127	15TH TSP	+7.71
Bobbin	6	18	NQI		0.72	3	84	11TH TSP	+20.40
C/L Special I			VOL		1.28	1	124	11TH TSP	+20.30
Bobbin	6	34	ADI		3.05	6	47	17TH TSP	+5.93
C/L Special I			VOL		0.43	1	125	17TH TSP	+6.09
Bobbin	6	44	ODI	11	0.62	3	136	22ND TSP	+5.23
C/L Special I			VOL		1.36	1	158	22ND TSP	+5.47
Bobbin	6	50	ADI		2.61	6	56	15TH TSP	+5.90
C/L Special I			VOL		1.03	1	166	15TH TSP	+5.61
Bobbin	6	55	NQI		0.38	P 1	58	2ND TSP	+0.12
H/L Special I			SAI		0.33	1	76	2ND TSP	-0.02
C/L Special I	6	59	NQI		0.72	1	27	9TH TSP	-2.75
Bobbin	6	64	NQI		6.25	P 1	166	TE-HL	+16.14
H/L Tubesheet			SAI		2.71	1	27	TTS-HL	-5.39
Bobbin	6	74	ODI	21	0.35	3	125	12TH TSP	+25.60
C/L Special I			VOL		0.42	1	95	12TH TSP	+25.47
Bobbin	6	92	NQI		0.73	3	99	6TH TSP	+31.47
H/L Special I			VOL		0.71	1	154	7TH TSP	-12.34
Bobbin	6	93	ODI	9	1.46	3	137	2ND TSP	+17.50
H/L Special I			VOL		1.04	1	108	3RD TSP	-7.13
Bobbin	6	99	ODI	10	4.40	P 1	130	TE-HL	+16.09
H/L Special I			MAI		3.72	P 1	6	TE-HL	+16.16
Bobbin	6	103	ODI	19	0.58	3	127	5TH TSP	+6.07
H/L Special I			VOL		0.29	1	82	5TH TSP	+6.62
Bobbin	7	34	ODI	73	1.36	P 1	73	2ND TSP	+0.02
H/L Special I			MAI		1.11	1	50	2ND TSP	-0.02
Bobbin	7	72	IDI	91	54.56	P 1	30	TE-HL	+16.88
H/L Tubesheet			MAI		14.61	1	33	TTS-HL	-4.53
Bobbin	7	81	IDI	73	38.39	P 1	24	TE-HL	+4.02
Bobbin	7	83	IDI	8	13.10	P 1	129	TE-HL	+5.14
H/L Tubesheet			MAI		1.23	1	19	TTS-HL	+0.03
Bobbin	7	91	ADI		6.99	6	63	5TH TSP	+8.98
H/L Tubesheet			SAI		0.99	1	15	TTS-HL	+0.00
Bobbin	7	94	IDI	75	7.03	P 1	69	TE-HL	+16.10
H/L Tubesheet			SAI		6.93	1	32	TTS-HL	-5.44
H/L Tubesheet	7	97	SAI		0.27	1	47	TTS-HL	-3.49
Bobbin	7	107	ADI		4.93	6	68	4TH TSP	+14.25
H/L Special I			VOL		1.04	1	96	4TH TSP	+14.13
Bobbin	8	9	ADI		5.44	6	72	12TH TSP	+37.36
C/L Special I			VOL		0.99	1	133	11TH TSP	-7.26
Bobbin	8	41	NQI		0.73	P 1	58	3RD TSP	-0.05
H/L Special I			SAI		1.00	1	38	3RD TSP	-0.07
H/L Tubesheet	8	48	MAI		0.51	1	26	TTS-HL	-3.99
Bobbin	8	61	NQI		0.47	P 1	149	2ND TSP	-0.07
H/L Special I			SAI		0.12	P 1	93	2ND TSP	-0.09
Bobbin	8	66	ODI	75	0.66	P 1	69	2ND TSP	+0.00
H/L Special I			SAI		0.34	P 1	63	2ND TSP	+0.00
Bobbin	8	81	ODI	3	1.29	3	141	13TH TSP	+7.76
C/L Special I			VOL		0.56	1	123	13TH TSP	+7.72

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	8	84	IDI	82	11.43	P 1	60	TE-HL	F/L
Bobbin	8	86	NQI		0.47	P 1	67	2ND TSP	F/L
H/L Special I			SAI		0.41	P 1	66	2ND TSP	2ND TSP
Bobbin	8	93	IDI	46	6.09	P 1	100	TE-HL	F/L
H/L Special I			MAI		1.59	1	23	TTS-HL	TTS-HL
H/L Tubesheet	8	97	MAI		0.54	1	22	TTS-HL	TTS-HL
Bobbin	9	6	NQI		0.26	P 1	102	5TH TSP	F/L
Bobbin	9	26	IDI	40	3.93	P 1	146	TE-HL	F/L
Bobbin	9	47	ODI	7	0.80	3	142	6TH TSP	F/L
H/L Special I			VOL		0.35	1	84	6TH TSP	6TH TSP
Bobbin	9	51	NQI		3.78	3	10	12TH TSP	F/L
Bobbin	9	56	ODI	14	0.46	3	134	4TH TSP	F/L
Bobbin			ODI	19	0.64	3	129	12TH TSP	F/L
H/L Special I			VOL		0.35	1	128	4TH TSP	4TH TSP
C/L Special I			VOL		0.64	1	20	12TH TSP	12TH TSP
Bobbin	9	75	NQI		26.01	P 1	162	TE-HL	F/L
H/L Special I			MAI		3.67	P 1	11	TE-HL	TTS-HL
Bobbin	9	79	NQI		10.07	P 1	50	TE-HL	F/L
Bobbin			NQI		23.17	P 1	161	TE-HL	F/L
H/L Tubesheet	9	84	SAI		0.97	1	35	TTS-HL	TTS-HL
Bobbin	9	85	ODI	80	1.00	P 1	65	2ND TSP	F/L
Bobbin			IDI	92	4.12	P 1	34	TE-HL	F/L
H/L Special I			MAI		0.52	P 1	57	2ND TSP	2ND TSP
Bobbin	9	86	ADI		2.37	6	46	13TH TSP	F/L
C/L Special I			VOL		0.47	1	154	12TH TSP	12TH TSP
C/L Special I			VOL		0.54	1	119	12TH TSP	12TH TSP
Bobbin	9	89	ODI	32	1.58	4	111	3RD TSP	F/L
H/L Special I			VOL		0.93	1	115	4TH TSP	4TH TSP
Bobbin	9	90	NQI		0.88	3	111	8TH TSP	F/L
U-Bend			VOL		0.86	1	152	8TH TSP	9TH TSP
Bobbin	9	112	ODI	28	1.62	3	117	13TH TSP	F/L
C/L Special I			VOL		1.00	1	125	13TH TSP	13TH TSP
C/L Special I			VOL		1.07	1	125	13TH TSP	13TH TSP
Bobbin	10	8	ODI	20	1.00	4	126	4TH TSP	F/L
H/L Special I			VOL		0.38	1	141	4TH TSP	4TH TSP
H/L Special I	10	12	VOL		0.65	1	110	2ND TSP	2ND TSP
Bobbin	10	13	ODI	4	0.46	3	142	7TH TSP	F/L
H/L Special I			VOL		0.16	1	83	7TH TSP	7TH TSP
Bobbin	10	33	ADI		5.93	6	69	11TH TSP	F/L
C/L Special I			VOL		1.38	1	128	10TH TSP	10TH TSP
Bobbin	10	46	ODI	15	0.81	3	132	21ST TSP	F/L
C/L Special I			VOL		0.54	1	45	21ST TSP	20TH TSP
Bobbin	10	49	ADI		3.71	6	83	21ST TSP	F/L
H/L Tubesheet	10	62	SAI		1.00	1	13	TTS-HL	TTS-HL
Bobbin	10	66	ODI	1	1.53	3	150	12TH TSP	F/L
Bobbin			ODI	27	0.47	3	119	13TH TSP	F/L
C/L Special I			VOL		0.41	1	108	12TH TSP	12TH TSP
C/L Special I			VOL		0.62	1	30	12TH TSP	12TH TSP
Bobbin	10	67	ODI	28	0.75	3	118	3RD TSP	F/L
H/L Special I			VOL		0.77	1	105	4TH TSP	4TH TSP
Bobbin	10	82	ODI	7	1.10	3	143	3RD TSP	F/L
Bobbin			ODI	9	1.31	4	143	3RD TSP	F/L
Bobbin			IDI	21	20.67	P 1	120	TE-HL	F/L
Bobbin			IDI	68	21.80	P 1	21	TE-HL	F/L
H/L Special I			VOL		0.49	1	63	4TH TSP	4TH TSP
H/L Special I			VOL		0.69	1	38	4TH TSP	4TH TSP
Bobbin	10	87	IDI	11	5.21	P 1	129	TE-HL	F/L
H/L Tubesheet			MAI		3.49	1	19	TTS-HL	TTS-HL
H/L Special I			MAI		3.42	P 1	13	TE-HL	TTS-HL
Bobbin	10	88	NQI		0.33	3	88	11TH TSP	F/L
C/L Special I			VOL		0.99	1	167	11TH TSP	11TH TSP
Bobbin	10	91	NQI		1.01	3	58	10TH TSP	F/L
C/L Special I			VOL		0.99	1	116	9TH TSP	9TH TSP
Bobbin	11	25	NQI		0.49	3	99	14TH TSP	F/L
C/L Special I			VOL		1.32	1	42	14TH TSP	13TH TSP



ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	11	34	NQI		0.47	3	80	10TH TSP	F/L
C/L Special I			VOL		0.82	1	37	9TH TSP	9TH TSP
Bobbin	11	40	NQI		0.84	3	116	5TH TSP	F/L
Bobbin			NQI		1.28	3	95	12TH TSP	F/L
H/L Special I			VOL		0.65	1	50	5TH TSP	5TH TSP
C/L Special I			VOL		1.16	1	78	12TH TSP	12TH TSP
H/L Tubesheet	11	56	SAI		0.32	1	42	TTS-HL	TTS-HL
Bobbin	11	59	ODI	13	1.54	3	136	11TH TSP	F/L
C/L Special I			VOL		0.22	1	108	11TH TSP	10TH TSP
C/L Special I			VOL		1.04	1	109	11TH TSP	10TH TSP
Bobbin	11	94	NQI		1.60	P 1	48	TE-HL	F/L
Bobbin	11	107	ADI		4.85	6	58	TTS-CL	F/L
C/L Special I			VOL		1.07	1	88	TTS-CL	TTS-CL
Bobbin	12	14	NQI		0.65	3	105	6TH TSP	F/L
H/L Special I			VOL		0.16	1	70	6TH TSP	6TH TSP
Bobbin	12	22	NQI		4.27	P 1	22	TE-HL	F/L
Bobbin	12	53	NQI		0.31	3	113	21ST TSP	F/L
H/L Tubesheet	12	58	SAI		1.50	1	29	TTS-HL	TTS-HL
Bobbin	12	61	ODI	3	1.61	3	148	13TH TSP	F/L
C/L Special I			VOL		1.01	1	142	13TH TSP	13TH TSP
Bobbin	12	68	NQI		0.87	P 1	40	2ND TSP	F/L
Bobbin	12	88	IDI	70	2.17	P 1	68	TE-HL	F/L
H/L Tubesheet			SAI		3.80	1	28	TTS-HL	TTS-HL
Bobbin	12	110	ODI	34	0.57	3	111	17TH TSP	F/L
C/L Special I			VOL		0.67	1	115	16TH TSP	16TH TSP
Bobbin	13	7	ODI	27	0.60	3	120	18TH TSP	F/L
Bobbin			ODI	28	0.30	3	119	18TH TSP	F/L
C/L Special I			VOL		0.35	1	125	18TH TSP	18TH TSP
C/L Special I			VOL		0.47	1	141	18TH TSP	18TH TSP
Bobbin	13	10	ODI	35	0.76	3	112	5TH TSP	F/L
H/L Special I			VOL		0.34	1	133	5TH TSP	5TH TSP
Bobbin	13	14	NQI		2.22	3	160	4AVE	F/L
Bobbin			ADI		3.51	6	53	10TH TSP	F/L
C/L Special I			VOL		0.56	1	119	10TH TSP	10TH TSP
Bobbin	13	20	NQI		0.40	P 1	82	2ND TSP	F/L
H/L Special I			SAI		1.18	1	136	2ND TSP	2ND TSP
Bobbin	13	64	IDI	1	10.27	P 1	138	TE-HL	F/L
Bobbin	13	82	IDI	92	59.13	P 1	41	TE-HL	F/L
H/L Tubesheet	13	101	SAI		1.46	1	24	TTS-HL	TTS-HL
Bobbin	13	102	NQI		0.27	P 1	153	18TH TSP	F/L
Bobbin	14	53	ADI		3.61	6	54	22ND TSP	F/L
Bobbin	14	75	IDI	95	1.75	P 1	34	TE-HL	F/L
H/L Tubesheet	14	101	SAI		5.92	1	18	TTS-HL	TTS-HL
Bobbin	15	12	ODI	21	0.45	3	126	5TH TSP	F/L
H/L Special I			VOL		0.12	1	110	6TH TSP	6TH TSP
Bobbin	15	16	NQI		3.56	P 1	56	TE-CL	F/L
Bobbin	15	19	ODI	28	0.50	3	119	18TH TSP	F/L
C/L Special I			VOL		0.34	1	134	18TH TSP	18TH TSP
Bobbin	15	32	IDI	53	4.77	P 1	17	TE-HL	F/L
Bobbin	15	37	IDI	98	3.67	P 1	37	TE-HL	F/L
Bobbin	15	49	ODI	9	1.27	3	138	19TH TSP	F/L
Bobbin	15	55	ADI		7.03	6	71	7TH TSP	F/L
H/L Special I			VOL		2.49	1	310	7TH TSP	7TH TSP
Bobbin	15	64	ADI		2.71	6	70	10TH TSP	F/L
Bobbin			NQI		0.58	3	103	10TH TSP	F/L
Bobbin			ODI	32	0.41	3	114	10TH TSP	F/L
C/L Special I			VOL		0.52	1	133	10TH TSP	10TH TSP
C/L Special I			VOL		0.68	1	129	10TH TSP	10TH TSP
C/L Special I			VOL		0.69	1	88	10TH TSP	10TH TSP
Bobbin	15	75	ADI		3.03	6	75	4TH TSP	F/L
H/L Special I			VOL		0.82	1	118	5TH TSP	5TH TSP
Bobbin	15	95	ODI	15	0.70	3	131	18TH TSP	F/L
C/L Special I			VOL		0.37	1	144	18TH TSP	18TH TSP
H/L Tubesheet	16	48	SAI		0.85	1	22	TTS-HL	TTS-HL
Bobbin	16	54	ODI	10	3.48	4	137	11TH TSP	F/L

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
C/L Special I					VOL			1.23 1 112 11TH TSP	+24.26 10TH TSP
Bobbin	16	62	ODI	9	1.56 3	137	1ST TSP	+5.85	F/L
Bobbin			ODI	14	1.13 3	132	1ST TSP	+7.22	F/L
Bobbin			ODI	46	0.36 3	100	1ST TSP	+9.51	F/L
H/L Special I			VOL		1.07 1	126	1ST TSP	+8.88	1ST TSP
H/L Special I			VOL		1.68 1	114	1ST TSP	+5.64	1ST TSP
H/L Special I			VOL		2.06 1	123	1ST TSP	+6.74	1ST TSP
Bobbin	16	80	NQI		0.33 P 1	53	3RD TSP	+0.09	F/L
Bobbin	16	92	IDI	58	7.20 P 1	15	TE-HL	+15.57	F/L
Bobbin			IDI	81	16.25 P 1	21	TE-HL	+8.81	F/L
Bobbin	16	99	NQI		7.35 P 1	163	TE-HL	+15.08	F/L
Bobbin	17	5	ODI	9	1.49 3	138	5TH TSP	+23.16	F/L
Bobbin			ODI	14	0.86 3	133	4TH TSP	+6.04	F/L
H/L Special I			SAI		0.52 1	59	4TH TSP	+5.68	4TH TSP
H/L Special I			VOL		0.47 1	84	5TH TSP	+23.64	5TH TSP
H/L Special I			VOL		0.65 1	130	5TH TSP	+4.97	5TH TSP
Bobbin	17	23	ODI	18	1.14 3	129	10TH TSP	+11.22	F/L
C/L Special I			VOL		1.47 1	107	10TH TSP	+11.47	10TH TSP
Bobbin	17	53	ADI		8.27 6	69	TTS-CL	+2.53	F/L
C/L Special I			VOL		1.21 1	103	TTS-CL	+2.39	22ND TSP
Bobbin	17	89	ODI	13	1.06 3	131	3RD TSP	+21.07	F/L
H/L Special I			VOL		0.42 1	15	3RD TSP	+21.23	3RD TSP
Bobbin	17	100	ADI		5.29 6	64	4TH TSP	+6.87	F/L
H/L Special I			VOL		0.92 1	71	4TH TSP	+6.82	4TH TSP
Bobbin	17	102	ADI		3.72 6	57	18TH TSP	+7.88	F/L
Bobbin			ODI	7	1.08 3	136	13TH TSP	+18.85	F/L
C/L Special I			VOL		0.48 1	87	18TH TSP	+7.67	18TH TSP
C/L Special I			VOL		0.61 1	85	12TH TSP	-3.11	12TH TSP
Bobbin	18	13	NQI		0.94 3	37	10TH TSP	+27.39	F/L
C/L Special I			VOL		0.95 1	120	10TH TSP	+26.81	9TH TSP
Bobbin	18	23	NQI		0.53 3	94	20TH TSP	+2.50	F/L
C/L Special I			VOL		0.63 1	80	20TH TSP	+2.62	20TH TSP
Bobbin	18	28	NQI		0.60 3	66	18TH TSP	+6.73	F/L
C/L Special I			VOL		0.77 1	111	18TH TSP	+6.98	18TH TSP
Bobbin	18	36	NQI		0.42 3	73	9TH TSP	+1.75	F/L
Bobbin			NQI		0.66 3	40	3RD TSP	+36.89	F/L
Bobbin			NQI		0.59 3	29	10TH TSP	+41.84	F/L
U-Bend			VOL		0.58 1	81	9TH TSP	+2.47	9TH TSP
C/L Special I			VOL		1.37 1	156	9TH TSP	-2.38	9TH TSP
H/L Special I			VOL		1.21 1	157	4TH TSP	-6.48	4TH TSP
Bobbin	18	44	NQI		2.27 P 1	48	TE-CL	+7.40	F/L
Bobbin	18	55	NQI		0.78 3	66	18TH TSP	+19.11	F/L
Bobbin			ODI	18	0.59 3	129	7TH TSP	+23.68	F/L
H/L Special I			VOL		0.68 1	127	7TH TSP	+23.68	7TH TSP
C/L Special I			VOL		0.66 1	105	18TH TSP	+19.12	17TH TSP
C/L Special I	18	63	NQI		1.19 1	25	11TH TSP	+2.20	11TH TSP
Bobbin	18	70	NQI		0.34 3	108	2ND TSP	+9.26	F/L
Bobbin			ODI	17	1.20 3	128	19TH TSP	+1.63	F/L
C/L Special I			SAI		0.72 1	19	19TH TSP	+1.83	19TH TSP
Bobbin	18	75	ODI	22	0.46 3	123	4TH TSP	+6.80	F/L
Bobbin			IDI	7	5.51 P 1	124	TE-HL	+6.49	F/L
Bobbin	18	77	NQI		0.79 3	60	4TH TSP	+29.07	F/L
H/L Special I			VOL		0.17 1	125	4TH TSP	+29.07	4TH TSP
Bobbin	18	104	ODI	25	1.45 3	120	3RD TSP	+16.88	F/L
H/L Special I			VOL		0.94 1	72	3RD TSP	+16.68	3RD TSP
Bobbin	19	12	WAR	13	0.57 P 4	0	1AVB	+0.00	F/L
Bobbin	19	20	ODI	10	1.19 3	136	12TH TSP	+25.22	F/L
C/L Special I			VOL		0.47 1	72	12TH TSP	+25.48	12TH TSP
Bobbin	19	31	ADI		4.18 6	67	TTS-CL	+3.84	F/L
Bobbin			ADI		4.21 6	121	22ND TSP	+1.15	F/L
C/L Special I			VOL		0.88 1	171	TTS-CL	+3.99	TTS-HL
C/L Special I			VOL		1.03 1	131	22ND TSP	+1.35	22ND TSP
Bobbin	19	41	ODI	34	0.83 3	113	7TH TSP	+21.60	F/L
Bobbin	19	49	NQI		0.32 3	80	18TH TSP	+8.44	F/L
C/L Special I			VOL		0.34 1	101	18TH TSP	+8.69	17TH TSP

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	19	57	NQI		0.66	3	56	10TH TSP	+29.45
H/L Tubesheet	19	65	SAI		0.94	1	29	TTS-HL	+0.25
Bobbin	19	82	IDI	99	15.70	P 1	31	TE-HL	+3.75
Bobbin	19	86	ADI		1.48	6	41	18TH TSP	+4.27
Bobbin			ODI	18	0.66	3	127	3RD TSP	+23.20
H/L Special I			VOL		0.32	1	53	4TH TSP	-20.66
Bobbin	20	9	NQI		0.79	3	111	13TH TSP	+12.04
C/L Special I			VOL		0.75	1	115	13TH TSP	+12.71
Bobbin	20	12	ADI		5.61	6	65	11TH TSP	+17.22
C/L Special I			VOL		0.87	1	78	11TH TSP	+17.16
Bobbin	20	58	IDI	52	10.36	P 1	16	TE-HL	+6.86
Bobbin	20	59	NQI		3.48	P 1	42	TE-CL	+1.15
Bobbin	20	60	NQI		0.85	3	79	5TH TSP	+31.11
H/L Special I			VOL		0.77	1	86	6TH TSP	-13.93
H/L Tubesheet	20	74	SAI		0.75	1	16	TTS-HL	+0.05
Bobbin	20	76	NQI		0.64	3	112	10TH TSP	+9.57
Bobbin			NQI		1.11	3	159	12TH TSP	+2.18
C/L Special I			VOL		0.44	1	88	10TH TSP	+9.91
C/L Special I			VOL		0.77	1	28	12TH TSP	+2.42
Bobbin	20	80	ADI		2.63	6	52	4TH TSP	+28.42
H/L Special I			VOL		0.97	1	128	5TH TSP	-16.21
Bobbin	20	84	ADI		2.60	6	61	2ND TSP	+10.14
H/L Special I			VOL		0.56	1	95	2ND TSP	+11.26
Bobbin	20	90	ADI		3.28	6	72	3RD TSP	+35.10
H/L Special I			VOL		0.57	1	164	4TH TSP	-8.75
H/L Tubesheet	20	100	SAI		0.40	1	26	TTS-HL	+0.03
Bobbin	20	102	ADI		3.87	6	88	4TH TSP	+35.09
Bobbin	21	9	ODI	15	0.39	3	136	20TH TSP	-1.29
C/L Special I			VOL		0.47	1	123	20TH TSP	-1.61
Bobbin	21	22	NQI		0.63	3	75	21ST TSP	+5.30
C/L Special I			VOL		0.52	1	98	21ST TSP	+5.44
C/L Special I			VOL		0.54	1	123	21ST TSP	+2.84
Bobbin	21	41	WAR	17	0.85	P 4	0	3AVB	+0.00
Bobbin	21	52	ODI	17	0.36	P 1	131	4TH TSP	+0.31
Bobbin	21	56	IDI	96	21.97	P 1	34	TE-HL	+1.52
H/L Tubesheet	21	67	MCI		1.17	1	59	TTS-HL	-0.08
H/L Tubesheet	21	78	SAI		0.72	1	43	TTS-HL	-0.05
Bobbin	21	83	ADI		10.11	6	34	9TH TSP	+9.28
U-Bend			VOL		1.73	1	132	9TH TSP	+9.08
Bobbin	21	86	NQI		0.51	3	108	11TH TSP	+17.56
C/L Special I			VOL		0.30	1	141	11TH TSP	+18.22
H/L Tubesheet	21	99	SAI		1.34	1	7	TTS-HL	+0.00
Bobbin	21	109	ADI		5.19	6	78	7TH TSP	+26.70
H/L Special I			VOL		0.86	1	113	7TH TSP	+26.89
Bobbin	22	56	ADI		2.89	6	56	3RD TSP	+32.21
H/L Special I			VOL		0.41	1	94	4TH TSP	-11.23
Bobbin	22	60	ODI	16	2.22	4	121	11TH TSP	+30.30
C/L Special I			VOL		0.35	1	69	10TH TSP	-14.71
Bobbin	22	67	NQI		3.62	P 1	144	TE-CL	+11.05
H/L Tubesheet	22	71	SAI		1.01	1	20	TTS-HL	-5.36
Bobbin	22	77	ODI	30	0.46	3	118	13TH TSP	-1.24
Bobbin			NQI		27.65	P 1	167	TE-HL	+14.57
H/L Tubesheet			MAI		1.18	1	14	TTS-HL	-0.01
C/L Special I			VOL		0.57	1	70	13TH TSP	-1.27
Bobbin	22	99	NQI		1.19	3	117	7TH TSP	+36.95
Bobbin			ODI	10	3.02	3	139	2ND TSP	+4.52
H/L Special I			VOL		0.84	1	112	8TH TSP	-7.01
H/L Special I			VOL		1.83	1	130	2ND TSP	+4.72
Bobbin	22	105	ADI		13.82	6	51	8TH TSP	+11.48
U-Bend			VOL		2.30	1	134	8TH TSP	+11.82
H/L Tubesheet	22	106	SAI		0.82	1	25	TTS-HL	-0.03
Bobbin	23	31	NQI		0.87	3	95	22ND TSP	+16.40
C/L Special I			VOL		0.75	1	70	21ST TSP	-3.99
Bobbin	23	36	ODI	5	1.91	4	134	7TH TSP	+41.90
H/L Special I			VOL		0.35	3	117	8TH TSP	-1.47

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	23	89	ODI	14	0.86	4	123	10TH TSP	+17.26 F/L
C/L Special I			VOL		0.46	1	123	10TH TSP	+17.67 10TH TSP
H/L Tubesheet	23	102	MAI		0.73	1	28	TTS-HL	-0.03 TTS-HL
H/L Tubesheet	23	103	MAI		0.54	1	22	TTS-HL	+0.00 TTS-HL
Bobbin	23	104	IDI	97	9.36	P 1	30	TE-HL	+1.75 F/L
Bobbin	24	20	ODI	13	1.24	4	129	1ST TSP	+11.56 F/L
H/L Special I			VOL		0.71	1	276	1ST TSP	+11.56 1ST TSP
H/L Tubesheet	24	57	SAI		0.54	1	33	TTS-HL	+0.00 TTS-HL
Bobbin	24	72	ADI		4.64	6	95	5TH TSP	+3.59 F/L
H/L Special I			VOL		0.72	1	136	5TH TSP	+3.79 5TH TSP
Bobbin	25	42	ADI		3.18	6	70	7TH TSP	+3.58 F/L
H/L Special I			VOL		0.74	1	118	7TH TSP	+3.75 7TH TSP
H/L Tubesheet	25	55	SAI		0.29	1	32	TTS-HL	+0.25 TTS-HL
Bobbin	25	69	ODI	31	1.03	3	120	3RD TSP	+39.07 F/L
H/L Special I			VOL		1.38	1	136	4TH TSP	-6.14 4TH TSP
H/L Special I			VOL		1.56	1	147	4TH TSP	-3.94 4TH TSP
Bobbin	25	70	ADI		1.90	6	66	20TH TSP	+3.53 F/L
Bobbin			ADI		1.94	6	73	20TH TSP	+4.64 F/L
C/L Special I			VOL		0.37	1	152	20TH TSP	+1.12 20TH TSP
C/L Special I			VOL		0.45	1	132	20TH TSP	+4.68 20TH TSP
C/L Special I			VOL		0.53	1	121	20TH TSP	+3.35 20TH TSP
Bobbin	25	78	NQI		0.72	3	95	4TH TSP	+11.30 F/L
H/L Special I			VOL		0.77	1	141	4TH TSP	+11.58 5TH TSP
Bobbin	25	94	IDI	42	9.00	P 1	13	TE-HL	+16.50 F/L
Bobbin	26	39	IDI	97	37.29	P 1	31	TE-HL	+11.98 F/L
H/L Tubesheet	26	57	SAI		1.03	1	30	TTS-HL	-3.07 TTS-HL
Bobbin	26	61	IDI	70	8.72	P 1	21	TE-HL	+13.52 F/L
Bobbin	26	66	IDI	95	4.62	P 1	31	TE-HL	+3.71 F/L
Bobbin	26	84	WAR	18	1.02	P 4	0	1AVB	+0.00 F/L
Bobbin	26	87	ADI		5.19	6	82	3RD TSP	+19.01 F/L
H/L Special I			VOL		1.29	1	122	3RD TSP	+19.14 3RD TSP
Bobbin	26	94	NQI		2.71	P 1	24	TTS-CL	-1.24 F/L
Bobbin	27	22	ODI	13	0.67	3	133	11TH TSP	+2.60 F/L
C/L Special I			VOL		0.82	1	148	11TH TSP	+2.68 11TH TSP
Bobbin	27	57	NQI		0.40	P 1	52	4TH TSP	+0.05 F/L
Bobbin	27	58	ODI	24	1.44	4	114	7TH TSP	+34.04 F/L
H/L Special I			VOL		1.15	1	124	8TH TSP	-10.79 8TH TSP
Bobbin	27	71	IDI	62	13.49	P 1	18	TE-HL	+18.30 F/L
H/L Tubesheet			MAI		4.80	1	16	TTS-HL	-3.25 TTS-HL
H/L Special I			MAI		5.92	1	17	TTS-HL	-3.22 TTS-HL
Bobbin	27	76	ODI	27	0.86	3	120	11TH TSP	+28.29 F/L
C/L Special I			VOL		0.42	1	131	10TH TSP	-16.00 10TH TSP
Bobbin	27	86	ODI	5	1.08	3	142	15TH TSP	+3.15 F/L
C/L Special I			VOL		0.36	1	86	15TH TSP	+3.29 15TH TSP
Bobbin	28	21	ADI		4.64	6	70	22ND TSP	+12.22 F/L
C/L Special I			VOL		0.74	1	126	22ND TSP	+12.15 22ND TSP
Bobbin	28	70	IDI	48	9.23	P 1	15	TE-HL	+13.37 F/L
Bobbin			IDI	76	12.09	P 1	22	TE-HL	+17.15 F/L
H/L Tubesheet			MAI		4.38	1	20	TTS-HL	-4.35 TTS-HL
Bobbin	28	75	NQI		0.27	3	81	10TH TSP	+13.46 F/L
C/L Special I			VOL		0.26	1	106	10TH TSP	+13.51 10TH TSP
C/L Special I			VOL		0.36	1	139	10TH TSP	+7.41 10TH TSP
Bobbin	28	101	ODI	4	1.29	3	143	11TH TSP	+32.50 F/L
C/L Special I			VOL		0.48	1	95	10TH TSP	-11.85 10TH TSP
H/L Tubesheet	28	106	SAI		0.68	1	15	TTS-HL	+0.18 TTS-HL
Bobbin	29	39	ODI	19	1.91	4	118	10TH TSP	+22.60 F/L
C/L Special I			VOL		1.20	1	85	10TH TSP	+22.18 10TH TSP
Bobbin	29	59	ADI		5.02	6	55	18TH TSP	+5.47 F/L
C/L Special I			VOL		1.28	1	123	18TH TSP	+5.39 18TH TSP
Bobbin	29	61	IDI	7	8.41	P 1	129	TE-HL	+15.02 F/L
Bobbin	29	62	WAR	22	1.08	P 4	0	1AVB	+0.00 F/L
Bobbin	29	67	WAR	17	0.75	P 4	0	1AVB	+0.00 F/L
Bobbin	29	69	ADI		2.35	6	66	4TH TSP	+20.42 F/L
H/L Special I			VOL		0.40	1	118	4TH TSP	+21.61 4TH TSP
Bobbin	29	72	ODI	30	0.87	3	117	3RD TSP	+29.75 F/L



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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLT'S	CHN	DEG	LOCATION	EXTENT1
H/L Special I					VOL	0.19	1	91 3RD TSP	+28.20 3RD TSP
H/L Special I					VOL	0.54	1	103 3RD TSP	+31.44 3RD TSP
Bobbin	29	73	NQI		0.59	3	129	4TH TSP	+10.07 F/L
H/L Special I					VOL	1.25	1	162 4TH TSP	+10.89 4TH TSP
Bobbin	29	76	IDI	17	6.29	P 1	120	TE-HL	+15.91 F/L
Bobbin	29	103	IDI	90	19.42	P 1	26	TE-HL	+18.35 F/L
H/L Tubesheet					MAI	1.42	1	39 TTS-HL	-3.13 TTS-HL
H/L Special I					MAI	2.70	1	25 TTS-HL	-3.07 TTS-HL
Bobbin	30	24	ODI	14	1.81	4	123	17TH TSP	+8.47 F/L
C/L Special I					VOL	0.65	1	89 16TH TSP	-3.46 16TH TSP
Bobbin	30	26	NQI		0.49	P 1	147	3RD TSP	-0.03 F/L
Bobbin	30	27	NQI		0.48	P 1	132	3RD TSP	-0.08 F/L
Bobbin	30	35	NQI		0.58	3	114	7TH TSP	+12.73 F/L
H/L Special I					VOL	0.48	1	117 7TH TSP	+12.73 7TH TSP
Bobbin	30	40	NQI		0.50	P 1	115	7TH TSP	+0.13 F/L
Bobbin	30	41	NQI		0.30	P 1	111	5TH TSP	+0.21 F/L
H/L Tubesheet	30	49	SAI		1.28	1	27	TTS-HL	+0.08 TTS-HL
H/L Tubesheet	30	54	SAI		0.67	1	22	TTS-HL	-2.74 TTS-HL
Bobbin	30	60	ODI	17	1.20	4	121	3RD TSP	+4.10 F/L
H/L Special I					VOL	0.18	1	108 3RD TSP	+4.71 3RD TSP
Bobbin	30	66	ODI	5	1.05	3	142	7TH TSP	+24.09 F/L
H/L Special I					VOL	0.21	1	149 7TH TSP	+25.21 7TH TSP
Bobbin	30	88	IDI	69	12.79	P 1	20	TE-HL	+18.18 F/L
H/L Tubesheet					MAI	1.87	1	15 TTS-HL	-3.56 TTS-HL
H/L Special I					MAI	1.34	1	26 TTS-HL	-3.11 TTS-HL
H/L Special I					SAI	1.12	1	29 TTS-HL	-11.10 TTS-HL
Bobbin	31	16	ODI	13	0.93	3	135	11TH TSP	+41.87 F/L
C/L Special I					VOL	0.92	1	116 10TH TSP	-2.25 10TH TSP
Bobbin	31	38	WAR	24	1.48	P 4	0	3AVB	+0.00 F/L
Bobbin	31	40	ODI	8	1.09	3	139	6TH TSP	+29.45 F/L
H/L Special I					VOL	1.22	1	135 6TH TSP	+28.12 6TH TSP
Bobbin	31	42	ODI	2	0.94	3	145	18TH TSP	+5.72 F/L
C/L Special I					VOL	0.78	1	110 18TH TSP	+5.87 18TH TSP
H/L Special I	31	49	VOL		1.70	1	101	6TH TSP	+12.70 6TH TSP
Bobbin	31	79	NQI		0.59	3	115	18TH TSP	+3.61 F/L
C/L Special I					VOL	0.27	1	108 18TH TSP	+3.73 17TH TSP
Bobbin	31	91	ODI	18	1.71	3	128	4TH TSP	+16.66 F/L
H/L Special I					VOL	1.37	1	105 4TH TSP	+17.02 4TH TSP
Bobbin	31	104	ADI		1.96	6	67	10TH TSP	+6.87 F/L
C/L Special I					VOL	0.72	1	147 10TH TSP	+6.74 10TH TSP
Bobbin	32	12	ODI	22	0.63	3	126	6TH TSP	+24.93 F/L
H/L Special I					VOL	0.41	1	101 6TH TSP	+24.93 6TH TSP
Bobbin	32	17	ODI	18	0.39	3	128	12TH TSP	+38.28 F/L
C/L Special I					SAI	0.17	1	33 11TH TSP	-6.47 11TH TSP
Bobbin	32	46	NQI		1.68	4	94	10TH TSP	+9.23 F/L
Bobbin			ODI	20	0.69	3	128	10TH TSP	+4.98 F/L
C/L Special I					VOL	0.76	1	137 10TH TSP	+5.02 10TH TSP
C/L Special I					VOL	1.17	1	129 10TH TSP	+8.93 10TH TSP
Bobbin	32	59	NQI		11.60	P 1	162	TE-HL	+16.93 F/L
H/L Tubesheet					SAI	0.39	1	21 TTS-HL	-2.04 TTS-HL
Bobbin	32	65	NQI		0.51	3	78	1ST TSP	+16.72 F/L
Bobbin			ADI		2.67	6	71	11TH TSP	+37.03 F/L
H/L Special I					VOL	1.59	1	153 2ND TSP	-3.46 2ND TSP
C/L Special I					VOL	0.42	1	128 10TH TSP	-7.90 10TH TSP
H/L Tubesheet	32	74	SAI		0.47	1	41	TTS-HL	-3.16 TTS-HL
Bobbin	32	77	NQI		22.01	P 1	165	TE-HL	+8.70 F/L
H/L Tubesheet					SCI	0.21	1	124 TTS-HL	-0.02 TTS-HL
Bobbin	32	83	ADI		5.34	6	69	12TH TSP	+20.87 F/L
C/L Special I					VOL	1.19	1	132 12TH TSP	+21.13 12TH TSP
H/L Tubesheet	32	94	MAI		0.88	1	64	TTS-HL	-0.11 TTS-HL
Bobbin	32	99	IDI	75	4.03	P 1	66	TE-HL	+11.01 F/L
Bobbin	33	31	NQI		3.43	P 1	133	TTS-CL	-0.69 F/L
Bobbin	33	59	ODI	7	3.41	4	128	10TH TSP	+20.24 F/L
C/L Special I					VOL	1.43	1	92 10TH TSP	+20.32 10TH TSP
H/L Tubesheet	33	66	SAI		0.99	1	18	TTS-HL	-0.03 TTS-HL

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	*TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	33	75	WAR	19	0.64	P 4	0	3AVB	F/L
Bobbin	33	79	ODI	13	1.49	4	125	7TH TSP	F/L
H/L Special I			VOL		0.23	1	102	8TH TSP	8TH TSP
H/L Special I			VOL		0.42	1	128	8TH TSP	8TH TSP
H/L Special I			VOL		0.51	1	101	8TH TSP	8TH TSP
Bobbin	33	87	ADI		2.06	6	61	13TH TSP	F/L
C/L Special I			VOL		0.53	1	119	12TH TSP	12TH TSP
Bobbin	33	88	ODI	2	1.87	3	142	1ST TSP	F/L
Bobbin			WAR	16	0.52	P 4	0	1AVB	F/L
H/L Special I			VOL		1.11	1	129	1ST TSP	1ST TSP
Bobbin	33	89	NQI		0.37	3	93	12TH TSP	F/L
Bobbin	33	102	ADI		2.04	6	48	9TH TSP	F/L
Bobbin	34	27	WAR	27	1.82	P 4	0	3AVB	F/L
Bobbin	34	33	ODI	5	2.94	3	142	2ND TSP	F/L
H/L Special I			VOL		0.76	1	131	2ND TSP	2ND TSP
Bobbin	34	40	ODI	17	1.53	4	136	13TH TSP	F/L
C/L Special I			VOL		0.49	1	108	13TH TSP	13TH TSP
Bobbin	34	43	NQI		2.51	P 1	110	TTS-CL	F/L
Bobbin	34	44	NQI		0.80	3	114	9TH TSP	F/L
U-Bend			VOL		0.99	1	150	9TH TSP	9TH TSP
Bobbin	34	46	NQI		1.46	3	42	3AVB	F/L
U-Bend			VOL		1.03	1	163	3AVB	9TH TSP
C/L Special I	34	61	NQI		0.53	1	33	21ST TSP	21ST TSP
Bobbin	34	63	ADI		4.30	6	75	11TH TSP	F/L
Bobbin			ADI		4.38	6	78	11TH TSP	F/L
C/L Special I			VOL		0.77	1	90	11TH TSP	11TH TSP
C/L Special I			VOL		1.09	1	116	11TH TSP	11TH TSP
Bobbin	34	70	NQI		8.76	P 1	164	TE-HL	F/L
H/L Special I			MAI		3.95	1	24	TE-HL	TTS-HL
Bobbin	34	78	ADI		1.82	6	57	10TH TSP	F/L
C/L Special I			VOL		0.63	1	102	10TH TSP	10TH TSP
Bobbin	34	88	ODI	21	1.08	4	118	3RD TSP	F/L
Bobbin	34	90	ODI	7	0.80	3	139	5TH TSP	F/L
H/L Special I			VOL		0.52	1	145	5TH TSP	6TH TSP
Bobbin	34	94	ODI	5	1.41	4	139	12TH TSP	F/L
C/L Special I			VOL		0.28	1	131	11TH TSP	11TH TSP
Bobbin	35	18	WAR	18	0.98	P 4	0	1AVB	F/L
Bobbin	35	39	WAR	19	1.05	P 4	0	4AVB	F/L
Bobbin	35	40	ODI	2	0.52	3	143	3RD TSP	F/L
Bobbin			WAR	26	1.68	P 4	0	2AVB	F/L
H/L Special I			VOL		0.72	1	134	3RD TSP	3RD TSP
Bobbin	35	51	ODI	7	1.26	3	139	8TH TSP	F/L
Bobbin			WAR	15	0.82	P 4	0	1AVB	F/L
Bobbin	35	72	ADI		6.79	6	59	22ND TSP	F/L
C/L Special I			VOL		0.60	1	94	22ND TSP	22ND TSP
Bobbin	35	76	ODI	7	0.89	3	137	5TH TSP	F/L
H/L Special I			VOL		0.56	1	125	6TH TSP	6TH TSP
Bobbin	35	91	ADI		4.14	6	62	3RD TSP	F/L
H/L Special I			VOL		0.59	1	72	4TH TSP	4TH TSP
Bobbin	36	18	WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin			WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin			WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin			WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin			WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin			WAR	17	0.95	P 4	0	1AVB	F/L
Bobbin	36	21	NQI		0.35	3	88	15TH TSP	F/L
C/L Special I			VOL		0.39	1	53	15TH TSP	15TH TSP
Bobbin	36	26	ODI	6	0.72	3	140	7TH TSP	F/L
Bobbin			ODI	6	0.89	4	138	6TH TSP	F/L
Bobbin	36	39	ADI		3.85	6	67	12TH TSP	F/L
Bobbin			ODI	11	0.74	3	135	11TH TSP	F/L
Bobbin			NQI		2.80	P 1	19	TE-HL	F/L
Bobbin			WAR	21	1.18	P 4	0	2AVB	F/L
C/L Special I			VOL		0.72	1	106	11TH TSP	11TH TSP
C/L Special I			VOL		0.99	1	105	11TH TSP	11TH TSP

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McGuire Nuclear Station - Unit Two

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Bobbin, C/L Special Interest, H/L Special Interest, H/L Tubesheet, U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	36	49	WAR	9	0.54	P 4	0	2AVB	+0.00
Bobbin			WAR	18	1.02	P 4	0	1AVB	+0.00
Bobbin	36	51	ODI	25	1.48	3	121	8TH TSP	+29.33
Bobbin	36	53	ODI	16	0.98	3	130	11TH TSP	+5.17
Bobbin			WAR	20	1.13	P 4	0	1AVB	+0.00
C/L Special I			VOL		1.30	1	139	11TH TSP	+5.33
C/L Special I	36	67	NQI		1.24	1	20	10TH TSP	+10.99
Bobbin	36	83	NQI		3.36	3	164	4AVB	-1.60
U-Bend			VOL		2.52	1	163	4AVB	-1.96
Bobbin	36	100	ADI		3.46	6	57	12TH TSP	+33.20
C/L Special I			VOL		0.49	1	108	11TH TSP	-11.17
Bobbin	37	20	WAR	14	0.64	P 4	0	2AVB	+0.00
Bobbin	37	23	ODI	6	1.49	4	133	3RD TSP	+16.55
H/L Special I			VOL		0.34	1	68	3RD TSP	+12.20
H/L Special I			VOL		0.66	1	123	3RD TSP	+13.86
H/L Special I			VOL		1.13	1	142	3RD TSP	+16.58
Bobbin	37	29	ADI		5.57	6	66	18TH TSP	+15.13
C/L Special I			VOL		1.07	1	106	17TH TSP	-7.45
Bobbin	37	35	WAR	17	0.84	P 4	0	3AVB	+0.00
Bobbin	37	37	ODI	2	1.37	4	136	20TH TSP	+3.58
C/L Special I			VOL		0.86	1	119	20TH TSP	+3.31
Bobbin	37	40	ODI	26	0.64	3	121	12TH TSP	+20.01
C/L Special I			VOL		0.58	1	82	12TH TSP	+19.68
Bobbin	37	42	WAR	17	0.80	P 4	0	2AVB	+0.00
Bobbin	37	46	ADI		2.69	6	60	12TH TSP	+8.21
Bobbin			ADI		5.65	6	56	14TH TSP	+4.26
Bobbin			ODI	6	3.84	4	133	18TH TSP	+11.53
Bobbin			WAR	19	0.97	P 4	0	1AVB	+0.00
C/L Special I			VOL		0.50	1	125	12TH TSP	+7.95
C/L Special I			VOL		1.29	1	101	18TH TSP	+11.51
C/L Special I			VOL		1.29	1	116	14TH TSP	+4.52
Bobbin	37	47	NQI		0.37	3	88	7TH TSP	+38.67
Bobbin			ADI		2.52	6	71	13TH TSP	+8.53
Bobbin			ODI	10	1.49	4	130	7TH TSP	+35.99
H/L Special I			VOL		0.66	1	114	8TH TSP	-8.24
H/L Special I			VOL		0.75	1	141	8TH TSP	-5.36
C/L Special I			VOL		0.53	1	113	13TH TSP	+8.86
Bobbin	37	48	IDI	18	2.58	P 1	123	TTS-CL	-1.04
Bobbin	37	54	WAR	16	0.84	P 4	0	4AVB	+0.00
Bobbin			WAR	19	0.93	P 4	0	3AVB	+0.00
Bobbin			WAR	22	1.34	P 4	0	1AVB	+0.00
Bobbin	37	55	NQI		3.55	P 1	30	TE-CL	+15.09
Bobbin	37	68	NQI		0.52	P 1	150	5TH TSP	-0.32
Bobbin	37	74	NQI		0.44	3	95	5TH TSP	+33.89
H/L Special I			VOL		0.29	1	142	6TH TSP	-10.30
Bobbin	37	75	ADI		2.28	6	69	6TH TSP	+10.55
H/L Special I			VOL		0.81	1	158	6TH TSP	+10.55
Bobbin	37	82	WAR	15	0.59	P 4	0	3AVB	+0.00
Bobbin	37	84	ADI		2.60	6	70	5TH TSP	+12.00
H/L Special I			VOL		0.72	1	133	5TH TSP	+12.43
Bobbin	37	89	WAR	27	1.52	P 4	0	2AVB	+0.00
Bobbin	37	94	NQI		2.82	P 1	39	TE-CL	+19.08
Bobbin			NQI		2.12	P 1	135	TTS-CL	-0.76
Bobbin	38	35	ODI	1	1.63	3	146	19TH TSP	+4.69
C/L Special I			VOL		0.83	1	102	19TH TSP	+5.30
Bobbin	38	38	WAR	22	1.15	P 4	0	3AVB	+0.00
Bobbin	38	40	ODI	10	1.18	3	137	11TH TSP	+37.10
C/L Special I			VOL		1.02	1	130	10TH TSP	-7.26
Bobbin	38	43	WAR	17	0.80	P 4	0	1AVB	+0.00
Bobbin	38	46	WAR	16	0.72	P 4	0	1AVB	+0.00
Bobbin	38	49	WAR	16	0.77	P 4	0	1AVB	+0.00
Bobbin			WAR	17	0.79	P 4	0	2AVB	+0.00
Bobbin			WAR	23	1.30	P 4	0	3AVB	+0.00
Bobbin	38	50	WAR	15	0.70	P 4	0	1AVB	+0.00
Bobbin	38	51	WAR	20	1.01	P 4	0	1AVB	+0.00

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin	38	56	IDI	88	14.44	P 1	52	TE-HL	+16.08
H/L Special I			MAI		5.18	1	206	TTS-HL	-5.35
Bobbin	38	57	ADI		5.78	6	66	8TH TSP	+8.54
U-Bend			VOL		1.07	1	59	8TH TSP	+8.98
Bobbin	38	59	WAR	18	0.76	P 4	0	2AVE	+0.00
Bobbin	38	63	WAR	28	1.81	P 4	0	1AVE	+0.00
Bobbin			WAR	28	1.86	P 4	0	2AVE	+0.00
Bobbin	38	68	ODI	14	0.76	3	131	22ND TSP	+2.99
C/L Special I			VOL		0.69	1	107	22ND TSP	+2.87
Bobbin	38	70	ODI	16	0.82	3	129	11TH TSP	+32.86
C/L Special I			VOL		0.67	1	127	10TH TSP	-11.76
H/L Tubesheet	38	73	SAI		0.77	1	10	TTS-HL	-0.08
Bobbin	38	85	ADI		2.51	6	54	3RD TSP	+10.88
Bobbin			ADI		2.88	6	67	3RD TSP	+18.65
Bobbin	38	90	NQI		0.49	3	78	15TH TSP	+3.74
C/L Special I			VOL		0.50	1	113	15TH TSP	+3.83
Bobbin	39	20	ADI		3.42	6	70	12TH TSP	+12.55
Bobbin			WAR	16	0.72	P 4	0	2AVE	+0.00
C/L Special I			VOL		0.64	1	124	12TH TSP	+13.12
Bobbin	39	29	ADI		4.84	6	66	10TH TSP	+8.27
C/L Special I			VOL		0.87	1	117	10TH TSP	+8.72
Bobbin	39	33	ADI		5.69	6	60	13TH TSP	+16.93
C/L Special I			VOL		0.69	1	134	12TH TSP	-6.25
Bobbin	39	36	WAR	11	0.47	P 4	0	3AVE	+0.00
Bobbin	39	42	ODI	6	1.50	4	133	14TH TSP	+4.32
Bobbin			ODI	9	1.50	4	131	11TH TSP	+11.03
C/L Special I			VOL		0.78	1	47	11TH TSP	+11.95
C/L Special I			VOL		1.24	1	139	14TH TSP	+4.69
Bobbin	39	50	ODI	6	1.92	4	136	13TH TSP	+2.40
Bobbin			WAR	21	1.09	P 4	0	1AVE	+0.00
C/L Special I			VOL		1.23	1	118	13TH TSP	+2.39
Bobbin	39	67	ODI	15	1.01	3	130	6TH TSP	+34.68
H/L Special I			VOL		1.09	1	143	7TH TSP	-9.57
Bobbin	39	74	ADI		4.92	6	67	11TH TSP	+26.81
C/L Special I			VOL		1.07	1	141	11TH TSP	+26.60
H/L Tubesheet	39	84	MAI		0.36	2	14	TTS-HL	-1.06
Bobbin	39	90	NQI		0.44	3	97	5TH TSP	+27.87
Bobbin	39	91	NQI		2.55	P 1	150	TE-HL	+15.08
Bobbin	39	96	NQI		1.14	3	104	4TH TSP	+34.80
H/L Special I			VOL		1.01	1	107	5TH TSP	-9.98
Bobbin	40	51	NQI		0.42	3	77	11TH TSP	+24.27
C/L Special I			VOL		0.78	1	57	11TH TSP	+24.55
Bobbin	40	74	ADI		3.84	6	63	22ND TSP	+11.11
Bobbin			ODI	8	1.50	4	121	1ST TSP	+18.33
H/L Special I			VOL		1.35	1	23	2ND TSP	-0.21
H/L Special I			VOL		1.42	1	195	2ND TSP	-2.29
C/L Special I			VOL		0.99	1	124	22ND TSP	+10.99
Bobbin	40	79	IDI	72	3.09	P 1	26	TE-HL	+13.59
Bobbin			IDI	99	12.26	P 1	38	TE-HL	+17.33
H/L Tubesheet	40	84	MAI		0.19	1	15	TTS-HL	-1.20
Bobbin	41	38	WAR	15	0.75	P 4	0	1AVE	+0.00
Bobbin	41	41	NQI		1.82	P 1	36	TE-CL	+12.12
H/L Tubesheet			SAI		2.32	1	18	TTS-HL	-1.94
Bobbin	41	83	WAR	19	0.76	P 4	0	1AVE	+0.00
Bobbin	42	23	WAR	20	1.26	P 4	0	3AVE	+0.00
Bobbin	42	30	NQI		1.31	3	48	13TH TSP	+18.63
C/L Special I			VOL		1.38	1	111	12TH TSP	-3.92
Bobbin	42	31	ADI		3.20	6	52	12TH TSP	+5.07
C/L Special I			VOL		0.64	1	120	12TH TSP	+5.29
Bobbin	42	34	WAR	8	0.47	P 4	0	1AVE	+0.00
Bobbin			WAR	10	0.59	P 4	0	2AVE	+0.00
Bobbin			WAR	13	0.72	P 4	0	3AVE	+0.00
Bobbin			WAR	15	0.87	P 4	0	4AVE	+0.00
Bobbin	42	35	WAR	17	1.03	P 4	0	1AVE	+0.00
Bobbin	42	36	WAR	18	1.06	P 4	0	1AVE	+0.00



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1	
Bobbin	42	37	WAR	10	0.58	P 4	0	2AVB	+0.00	F/L
Bobbin	42	40	WAR	11	0.63	P 4	0	1AVB	+0.00	F/L
Bobbin	42	43	NQI		0.81	3	121	13TH TSP	+17.84	F/L
Bobbin			WAR	24	1.48	P 4	0	1AVB	+0.00	F/L
C/L Special I			VOL		0.75	1	99	12TH TSP	-4.47	12TH TSP
Bobbin	42	45	WAR	19	0.99	P 4	0	1AVB	+0.00	F/L
Bobbin	42	49	ODI	4	1.69	3	141	18TH TSP	+5.51	F/L
Bobbin			IDI	92	1.72	P 1	48	TE-HL	+14.65	F/L
C/L Special I			VOL		1.37	1	98	18TH TSP	+5.80	18TH TSP
Bobbin	42	53	WAR	13	0.76	P 4	0	2AVB	+0.00	F/L
Bobbin			WAR	23	1.51	P 4	0	1AVB	+0.00	F/L
Bobbin	42	61	ODI	17	1.09	3	130	8TH TSP	+19.31	F/L
Bobbin			NQI		0.24	P 1	105	17TH TSP	-0.35	F/L
U-Bend			VOL		1.30	1	131	8TH TSP	+20.70	8TH TSP
Bobbin	42	71	IDI	91	3.48	P 1	32	TE-HL	+11.60	F/L
Bobbin	42	73	IDI	75	14.26	P 1	64	TE-HL	+16.95	F/L
H/L Special I			MAI		7.40	1	33	TTS-HL	-4.57	TTS-HL
Bobbin	43	31	WAR	13	0.59	P 4	0	3AVB	+0.00	F/L
Bobbin	43	33	NQI		3.84	P 1	20	TE-CL	+19.06	F/L
Bobbin	43	37	ODI	6	0.47	3	143	13TH TSP	+1.84	F/L
Bobbin			ODI	16	0.52	3	132	15TH TSP	+18.36	F/L
Bobbin			WAR	14	0.62	P 4	0	3AVB	+0.00	F/L
Bobbin			WAR	7	1.47	P 2	0	17TH TSP	+0.00	F/L
C/L Special I			VOL		0.37	1	140	13TH TSP	+2.10	13TH TSP
C/L Special I			VOL		0.42	1	122	13TH TSP	-4.14	13TH TSP
Bobbin	43	43	WAR	17	0.98	P 4	0	3AVB	+0.00	F/L
Bobbin	43	52	WAR	12	0.71	P 4	0	2AVB	+0.00	F/L
Bobbin	43	54	WAR	12	0.71	P 4	0	1AVB	+0.00	F/L
Bobbin	43	55	WAR	17	1.00	P 4	0	1AVB	+0.00	F/L
Bobbin			ODI	14	0.51	P 1	118	17TH TSP	-0.28	F/L
C/L Special I			VOL		0.79	1	133	17TH TSP	-0.27	17TH TSP
Bobbin	43	56	ODI	57	0.55	P 1	83	12TH TSP	+0.31	F/L
C/L Special I			VOL		1.35	1	146	12TH TSP	+0.34	12TH TSP
Bobbin	43	62	WAR	25	1.18	P 4	0	1AVB	+0.00	F/L
Bobbin	43	65	WAR	23	1.12	P 4	0	1AVB	+0.00	F/L
Bobbin	43	71	WAR	27	1.41	P 4	0	1AVB	+0.00	F/L
H/L Tubesheet	43	84	MAI		0.30	1	35	TTS-HL	-1.21	TTS-HL
Bobbin	43	86	NQI		12.38	P 1	159	TE-HL	+14.46	F/L
H/L Special I			MAI		2.20	1	15	TTS-HL	-7.30	TTS-HL
Bobbin	44	35	ADI		6.52	6	70	18TH TSP	+6.43	F/L
C/L Special I			VOL		0.46	1	114	18TH TSP	+6.71	18TH TSP
Bobbin	44	39	ADI		5.33	6	70	11TH TSP	+40.70	F/L
C/L Special I			VOL		0.45	1	123	10TH TSP	-3.17	10TH TSP
Bobbin	44	41	ODI	6	0.88	3	143	12TH TSP	+42.36	F/L
C/L Special I			VOL		0.40	1	119	11TH TSP	-1.70	11TH TSP
Bobbin	44	46	WAR	32	2.47	P 4	0	1AVB	+0.00	F/L
Bobbin	44	51	WAR	23	1.29	P 4	0	1AVB	+0.00	F/L
Bobbin			WAR	9	1.88	P 2	0	17TH TSP	+0.00	F/L
Bobbin	44	52	WAR	17	0.79	P 4	0	1AVB	+0.00	F/L
Bobbin	44	54	WAR	23	1.23	P 4	0	1AVB	+0.00	F/L
Bobbin	44	56	NQI		1.30	3	147	17TH TSP	+14.21	F/L
C/L Special I			VOL		1.07	1	106	17TH TSP	+15.71	17TH TSP
Bobbin	44	57	WAR	10	2.09	P 2	0	17TH TSP	+0.00	F/L
Bobbin	44	63	ADI		2.21	6	65	7TH TSP	+14.87	F/L
H/L Special I			VOL		0.66	1	87	7TH TSP	+17.80	7TH TSP
H/L Special I			VOL		0.88	1	99	7TH TSP	+16.17	7TH TSP
H/L Special I			VOL		1.17	1	93	7TH TSP	+6.94	7TH TSP
Bobbin	44	72	ADI		2.30	6	59	7TH TSP	+26.08	F/L
H/L Special I			VOL		0.29	1	93	7TH TSP	+28.68	7TH TSP
H/L Special I			VOL		0.52	1	141	7TH TSP	+26.27	7TH TSP
Bobbin	44	78	ADI		2.36	6	71	6TH TSP	+36.30	F/L
H/L Tubesheet			SAI		0.54	1	13	TTS-HL	-0.09	TTS-HL
H/L Special I			VOL		0.55	1	147	7TH TSP	-8.17	7TH TSP
Bobbin	44	84	ODI	4	1.00	3	143	TTS-HL	+6.39	F/L
Bobbin			ODI	4	1.80	3	143	1ST TSP	+6.48	F/L

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McGuire Nuclear Station - Unit Two

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
H/L Special I					0.54	1	208	1ST TSP	-2.14
H/L Special I					0.59	1	165	1ST TSP	+7.25
Bobbin	45	40	IDI	66	4.09	P 1	19	TE-HL	+6.49
Bobbin	45	47	WAR	19	0.94	P 4	0	2AVB	+0.00
Bobbin			WAR	21	1.06	P 4	0	1AVB	+0.00
Bobbin	45	54	WAR	15	0.71	P 4	0	2AVB	+0.00
Bobbin			WAR	26	1.54	P 4	0	1AVB	+0.00
Bobbin	45	60	WAR	7	1.30	P 2	0	16TH TSP	+0.00
Bobbin	45	62	WAR	4	0.71	P 2	0	17TH TSP	+0.00
Bobbin	45	64	WAR	3	0.53	P 2	0	16TH TSP	+0.00
Bobbin			WAR	4	0.74	P 2	0	17TH TSP	+0.00
Bobbin	45	68	WAR	11	0.47	P 4	0	3AVB	+0.00
Bobbin	45	75	WAR	13	0.53	P 4	0	1AVB	+0.00
Bobbin	45	86	IDI	48	10.17	P 1	15	TE-HL	+12.70
H/L Special I			SAI		2.74	1	21	TTS-HL	-8.72
Bobbin	45	89	ADI		6.32	6	59	13TH TSP	+5.61
C/L Special I			VOL		1.23	1	118	13TH TSP	+4.74 to +6.37
Bobbin	45	90	ADI		2.85	6	71	11TH TSP	+15.38
C/L Special I			VOL		0.73	1	123	11TH TSP	+15.16
Bobbin	46	26	ODI	18	1.41	3	130	7TH TSP	+1.59
H/L Special I			VOL		0.54	1	25	7TH TSP	+1.65
Bobbin	46	39	ADI		4.96	6	80	22ND TSP	+7.82
H/L Tubesheet			SAI		0.29	1	60	TTS-HL	-0.01
C/L Special I			VOL		0.69	1	118	22ND TSP	+8.07
Bobbin	46	59	WAR	11	2.08	P 2	0	18TH TSP	+0.00
Bobbin	46	60	WAR	4	0.75	P 2	0	15TH TSP	+0.00
Bobbin	46	62	NQI		0.52	3	86	12TH TSP	+3.93
Bobbin	46	63	WAR	19	0.93	P 4	0	1AVB	+0.00
Bobbin			IDI	27	4.30	P 1	120	TE-CL	+5.14
Bobbin	46	72	WAR	22	1.19	P 4	0	1AVB	+0.00
Bobbin	46	74	WAR	16	0.69	P 4	0	1AVB	+0.00
Bobbin	46	76	ODI	12	0.73	3	135	5TH TSP	+27.57
H/L Special I			VOL		0.77	1	119	5TH TSP	+27.84
Bobbin	47	39	WAR	13	2.89	P 2	0	18TH TSP	+0.00
Bobbin	47	40	WAR	8	1.63	P 2	0	18TH TSP	+0.00
Bobbin	47	50	WAR	14	3.16	P 2	0	17TH TSP	+0.00
Bobbin	47	51	WAR	10	2.03	P 2	0	17TH TSP	+0.00
Bobbin	47	55	WAR	8	1.66	P 2	0	15TH TSP	+0.00
Bobbin	47	61	WAR	5	1.05	P 2	0	17TH TSP	+0.00
Bobbin	47	62	WAR	13	2.76	P 2	0	17TH TSP	+0.00
Bobbin	47	67	ODI	6	3.78	3	141	11TH TSP	+23.58
C/L Special I			VOL		1.44	1	120	11TH TSP	+23.87
Bobbin	47	68	NQI		0.45	P 1	75	15TH TSP	+0.27
Bobbin			NQI		0.59	P 1	92	16TH TSP	+0.20
C/L Special I			VOL		0.50	P 1	116	16TH TSP	+0.00
Bobbin	47	79	IDI	53	16.93	P 1	19	TE-HL	+14.55
H/L Special I			MAI		3.22	1	18	TTS-HL	-5.58
Bobbin	48	35	WAR	7	1.48	P 2	0	17TH TSP	+0.00
Bobbin	48	36	WAR	10	1.99	P 2	0	18TH TSP	+0.00
Bobbin	48	38	WAR	8	1.72	P 2	0	20TH TSP	+0.00
Bobbin	48	40	WAR	7	1.45	P 2	0	20TH TSP	+0.00
Bobbin			WAR	19	4.49	P 2	0	18TH TSP	+0.00
Bobbin	48	41	WAR	5	0.97	P 2	0	18TH TSP	+0.00
Bobbin	48	46	WAR	10	2.16	P 2	0	20TH TSP	+0.00
Bobbin	48	47	NQI		3.80	P 1	32	TE-HL	+13.43
Bobbin	48	48	ADI		3.41	6	65	12TH TSP	+9.55
Bobbin			WAR	6	1.24	P 2	0	20TH TSP	+0.00
Bobbin			WAR	13	2.79	P 2	0	18TH TSP	+0.00
C/L Special I			VOL		0.52	1	129	12TH TSP	+9.39
Bobbin	48	50	WAR	6	1.14	P 2	0	17TH TSP	+0.00
Bobbin			WAR	12	2.66	P 2	0	18TH TSP	+0.00
Bobbin	48	55	ODI	23	0.12	P 1	117	4TH TSP	+0.00
Bobbin	48	56	WAR	12	2.48	P 2	0	17TH TSP	+0.00
Bobbin	48	57	WAR	7	1.39	P 2	0	15TH TSP	+0.00
Bobbin	48	60	NQI		0.68	P 1	107	13TH TSP	+0.32

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Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend

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

TEST TYPE	ROW	COL	IND	%TW	VOLTS	CHN	DEG	LOCATION	EXTENT1
Bobbin			WAR	6	1.15	P 2	0	15TH TSP	+0.00
C/L Special I			VOL		0.26	P 1	60	13TH TSP	+0.00
Bobbin	48	62	WAR	31	2.21	P 4	0	1AVB	+0.00
Bobbin			WAR	20	4.58	P 2	0	17TH TSP	+0.00
Bobbin	48	64	WAR	8	1.61	P 2	0	18TH TSP	+0.00
Bobbin			WAR	17	3.85	P 2	0	17TH TSP	+0.00
Bobbin	48	65	WAR	4	0.68	P 2	0	15TH TSP	+0.00
Bobbin	48	71	WAR	9	1.89	P 2	0	16TH TSP	+0.00
Bobbin	48	72	WAR	6	1.07	P 2	0	17TH TSP	+0.00
Bobbin	49	54	ADI		5.14	6	74	11TH TSP	+36.86
Bobbin			NQI		0.24	P 1	144	3RD TSP	-0.10
Bobbin			NQI		0.52	P 1	94	6TH TSP	+0.22
C/L Special I			VOL		1.20	1	142	10TH TSP	-7.85
Bobbin	49	55	NQI		0.55	P 1	101	17TH TSP	-0.38
C/L Special I			VOL		0.57	P 1	147	17TH TSP	+0.00
Bobbin	49	56	WAR	7	1.47	P 2	0	17TH TSP	+0.00
Bobbin			WAR	8	1.55	P 2	0	15TH TSP	+0.00
Bobbin	49	57	WAR	12	2.49	P 2	0	15TH TSP	+0.00
Bobbin	49	58	WAR	17	3.62	P 2	0	18TH TSP	+0.00
Bobbin	49	60	WAR	7	1.27	P 2	0	17TH TSP	+0.00
Bobbin			WAR	7	1.37	P 2	0	15TH TSP	+0.00
Bobbin	49	61	WAR	7	1.39	P 2	0	15TH TSP	+0.00
Bobbin	49	62	NQI		1.19	3	90	1AVB	+15.83
U-Bend			VOL		0.99	1	156	1AVB	+16.32
Bobbin			WAR	5	0.91	P 2	0	15TH TSP	+0.00
Bobbin	49	63	WAR	13	2.83	P 2	0	17TH TSP	+0.00
Bobbin	49	68	WAR	9	1.80	P 2	0	17TH TSP	+0.00

Total Indications Found = 872  
 Total Tubes Found = 456

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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ATTACHMENT #5 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

1.	2	61
2.	3	22
3.	3	24
4.	3	28
5.	3	61
6.	3	62
7.	3	64
8.	3	73
9.	3	74
10.	3	83
11.	4	16
12.	4	22
13.	4	34
14.	4	57
15.	4	58
16.	4	72
17.	4	85
18.	5	56
19.	5	61
20.	5	71
21.	5	107
22.	6	3
23.	6	15
24.	6	16
25.	6	29
26.	6	59
27.	6	74
28.	6	82
29.	6	109
30.	6	110
31.	7	10
32.	7	20
33.	7	23
34.	7	29
35.	7	36
36.	7	53
37.	7	56
38.	7	57
39.	8	3
40.	8	4
41.	8	6
42.	8	14
43.	8	16
44.	8	27
45.	8	41
46.	8	47

47.	8	48
48.	8	53
49.	8	62
50.	9	5
51.	9	20
52.	9	28
53.	9	30
54.	9	31
55.	9	35
56.	9	38
57.	9	75
58.	10	4
59.	10	15
60.	10	19
61.	10	20
62.	10	40
63.	10	42
64.	10	54
65.	10	60
66.	11	3
67.	11	15
68.	11	53
69.	12	22
70.	13	56
71.	13	62
72.	13	75
73.	13	88
74.	13	107
75.	14	9
76.	14	73
77.	15	17
78.	15	19
79.	15	36
80.	15	39
81.	15	57
82.	15	59
83.	15	71
84.	15	91
85.	16	14
86.	16	19
87.	16	27
88.	16	42
89.	17	14
90.	17	43
91.	17	62
92.	17	72



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12/94 RFO

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ATTACHMENT #5 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

93.	17	73
94.	18	25
95.	18	37
96.	18	69
97.	18	104
98.	19	28
99.	19	61
100.	19	63
101.	19	73
102.	19	93
103.	20	50
104.	20	70
105.	20	73
106.	21	31
107.	21	46
108.	21	49
109.	21	50
110.	22	36
111.	22	70
112.	22	88
113.	23	69
114.	23	89
115.	24	52
116.	24	56
117.	25	15
118.	25	33
119.	25	53
120.	26	33
121.	26	41
122.	26	45
123.	26	49
124.	26	51
125.	26	56
126.	26	59
127.	27	18
128.	27	19
129.	27	27
130.	27	37
131.	27	49
132.	27	51
133.	27	57
134.	27	76
135.	27	90
136.	27	91
137.	27	93
138.	28	14

139.	28	19
140.	28	85
141.	29	66
142.	29	85
143.	30	48
144.	31	15
145.	31	31
146.	31	47
147.	31	49
148.	32	15
149.	32	23
150.	32	29
151.	32	36
152.	32	41
153.	33	16
154.	33	20
155.	33	25
156.	33	57
157.	33	93
158.	34	27
159.	34	46
160.	34	49
161.	34	57
162.	35	24
163.	35	42
164.	35	54
165.	35	71
166.	36	24
167.	36	26
168.	36	57
169.	36	65
170.	36	82
171.	37	23
172.	37	46
173.	37	48
174.	37	50
175.	37	51
176.	38	31
177.	38	36
178.	38	40
179.	39	26
180.	39	31
181.	39	38
182.	39	41
183.	39	72
184.	40	27

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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ATTACHMENT #5 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

185.	40	50
186.	40	80
187.	41	36
188.	41	70
189.	42	40
190.	43	65
191.	44	62
192.	44	67
193.	45	63
194.	45	71
195.	45	75
196.	46	82
197.	47	70
198.	47	71
199.	49	41

Total Data Items Found = 199

Total Tubes Found = 199

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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ATTACHMENT #6 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

1.	2	51
2.	2	54
3.	2	72
4.	2	77
5.	2	78
6.	2	89
7.	2	91
8.	2	100
9.	2	103
10.	2	104
11.	2	106
12.	2	108
13.	3	13
14.	3	50
15.	3	52
16.	3	62
17.	3	78
18.	3	85
19.	3	93
20.	4	18
21.	4	50
22.	4	51
23.	4	52
24.	4	68
25.	4	69
26.	4	70
27.	4	110
28.	5	61
29.	5	62
30.	5	63
31.	5	65
32.	5	70
33.	5	89
34.	5	103
35.	6	50
36.	6	54
37.	6	89
38.	6	93
39.	6	101
40.	6	106
41.	6	109
42.	7	4
43.	7	76
44.	7	81
45.	7	96
46.	8	49

COUNT ROW COL

47.	8	58
48.	8	60
49.	8	86
50.	8	87
51.	8	88
52.	8	92
53.	9	38
54.	9	53
55.	9	76
56.	9	84
57.	9	90
58.	9	91
59.	10	14
60.	10	59
61.	10	64
62.	10	75
63.	10	77
64.	10	81
65.	10	82
66.	10	101
67.	10	104
68.	10	107
69.	11	19
70.	11	66
71.	11	76
72.	11	81
73.	11	91
74.	11	97
75.	11	98
76.	11	106
77.	12	54
78.	12	59
79.	12	76
80.	12	77
81.	12	81
82.	12	93
83.	12	104
84.	12	106
85.	13	34
86.	13	50
87.	13	62
88.	13	65
89.	13	74
90.	13	76
91.	13	77
92.	13	96

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

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Page 2

ATTACHMENT #6 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

93.	14	5
94.	14	20
95.	14	57
96.	14	72
97.	14	104
98.	14	107
99.	15	73
100.	16	52
101.	17	14
102.	17	28
103.	17	46
104.	17	50
105.	17	70
106.	17	79
107.	17	84
108.	17	92
109.	17	93
110.	17	99
111.	18	38
112.	18	45
113.	18	62
114.	18	69
115.	18	96
116.	19	74
117.	20	34
118.	20	52
119.	20	64
120.	20	69
121.	20	72
122.	20	94
123.	21	46
124.	21	53
125.	21	58
126.	21	68
127.	21	69
128.	22	65
129.	22	66
130.	22	69
131.	22	79
132.	22	82
133.	22	83
134.	22	87
135.	23	45
136.	23	56
137.	23	69
138.	23	70

COUNT ROW COL

139.	23	73
140.	23	79
141.	24	7
142.	24	9
143.	24	35
144.	24	58
145.	24	70
146.	24	76
147.	24	81
148.	24	95
149.	25	7
150.	25	8
151.	25	34
152.	25	43
153.	25	48
154.	25	58
155.	25	62
156.	25	74
157.	25	79
158.	25	85
159.	26	36
160.	26	60
161.	26	75
162.	26	82
163.	26	88
164.	27	30
165.	27	57
166.	27	61
167.	27	93
168.	28	59
169.	28	97
170.	29	45
171.	29	48
172.	29	49
173.	29	92
174.	30	52
175.	30	90
176.	31	61
177.	31	64
178.	31	84
179.	32	58
180.	32	95
181.	32	98
182.	33	47
183.	33	80
184.	33	85



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G B

12/94 RFO

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ATTACHMENT #6 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

185.	35	32
186.	36	75
187.	38	77
188.	39	66
189.	39	94
190.	41	50
191.	41	78
192.	41	83
193.	43	34
194.	43	41
195.	44	77
196.	44	86
197.	45	32
198.	45	64
199.	45	71
200.	46	44
201.	46	59
202.	47	49
203.	47	69
204.	47	74
205.	48	74
206.	48	80
207.	48	83
208.	48	86
209.	49	70

Total Data Items Found = 209

Total Tubes Found = 209

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

S/G C

12/94 RFO

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Page 1

ATTACHMENT #7 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

1.	2	31
2.	2	32
3.	2	50
4.	2	54
5.	2	64
6.	2	70
7.	2	105
8.	3	26
9.	3	65
10.	3	67
11.	3	93
12.	3	104
13.	4	15
14.	4	29
15.	4	52
16.	4	57
17.	4	58
18.	4	74
19.	4	86
20.	5	11
21.	5	41
22.	5	44
23.	5	46
24.	5	55
25.	5	60
26.	5	62
27.	5	72
28.	5	109
29.	6	24
30.	6	40
31.	6	42
32.	6	58
33.	6	64
34.	6	74
35.	6	76
36.	6	80
37.	6	83
38.	6	97
39.	7	17
40.	7	20
41.	7	23
42.	7	39
43.	7	40
44.	7	73
45.	7	74
46.	7	80

COUNT ROW COL

47.	7	83
48.	8	6
49.	8	32
50.	8	41
51.	8	43
52.	8	55
53.	8	56
54.	8	79
55.	8	96
56.	8	109
57.	9	12
58.	9	42
59.	9	47
60.	9	50
61.	9	58
62.	9	69
63.	9	88
64.	10	21
65.	10	39
66.	10	45
67.	10	58
68.	10	60
69.	10	63
70.	10	65
71.	10	93
72.	11	17
73.	11	47
74.	11	51
75.	11	52
76.	11	69
77.	12	15
78.	12	36
79.	12	40
80.	13	11
81.	13	54
82.	13	89
83.	14	17
84.	14	23
85.	14	37
86.	14	48
87.	14	56
88.	14	58
89.	14	63
90.	14	65
91.	14	74
92.	14	76

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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ATTACHMENT #7 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

93.	14	77
94.	15	20
95.	15	29
96.	15	33
97.	15	69
98.	16	29
99.	17	11
100.	17	31
101.	17	34
102.	17	42
103.	17	53
104.	17	54
105.	17	60
106.	17	83
107.	18	15
108.	18	20
109.	18	31
110.	18	33
111.	18	36
112.	18	46
113.	18	51
114.	18	52
115.	18	56
116.	18	58
117.	18	64
118.	18	71
119.	19	14
120.	19	24
121.	19	49
122.	19	51
123.	19	55
124.	19	58
125.	19	62
126.	19	63
127.	19	73
128.	20	14
129.	20	32
130.	20	52
131.	20	53
132.	20	66
133.	20	89
134.	20	98
135.	21	14
136.	21	22
137.	21	31
138.	21	36

139.	21	39
140.	21	47
141.	21	48
142.	21	52
143.	22	37
144.	23	14
145.	23	17
146.	23	26
147.	23	27
148.	23	29
149.	23	35
150.	23	48
151.	23	49
152.	23	58
153.	23	64
154.	23	73
155.	24	22
156.	24	53
157.	24	62
158.	24	65
159.	25	18
160.	25	24
161.	25	27
162.	25	72
163.	27	31
164.	27	38
165.	27	52
166.	27	58
167.	28	13
168.	28	23
169.	28	57
170.	29	96
171.	31	15
172.	31	93
173.	33	72
174.	35	43
175.	35	45
176.	35	70
177.	36	67
178.	38	88
179.	39	22
180.	42	93
181.	43	93
182.	45	87
183.	47	74
184.	49	79

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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Page 3

ATTACHMENT #7 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

Total Data Items Found = 184

Total Tubes Found = 184



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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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12/94 RFO

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Page 1

ATTACHMENT #8 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

1.	1	23
2.	3	13
3.	3	28
4.	3	80
5.	3	91
6.	3	99
7.	3	101
8.	3	103
9.	3	111
10.	4	38
11.	4	39
12.	4	48
13.	4	64
14.	4	81
15.	4	84
16.	4	112
17.	4	113
18.	5	37
19.	5	39
20.	5	43
21.	5	83
22.	5	99
23.	6	27
24.	6	31
25.	6	36
26.	6	38
27.	6	49
28.	6	55
29.	6	59
30.	6	69
31.	6	72
32.	7	34
33.	7	56
34.	7	58
35.	7	62
36.	7	64
37.	7	71
38.	7	83
39.	7	87
40.	7	91
41.	7	93
42.	8	41
43.	8	48
44.	8	61
45.	8	63
46.	8	66

COUNT ROW COL

47.	8	75
48.	8	86
49.	8	93
50.	8	97
51.	8	99
52.	8	107
53.	8	108
54.	8	111
55.	9	62
56.	9	84
57.	9	85
58.	9	96
59.	9	104
60.	10	12
61.	10	46
62.	10	61
63.	10	62
64.	10	72
65.	10	74
66.	10	81
67.	11	56
68.	11	95
69.	11	101
70.	12	14
71.	12	58
72.	12	60
73.	12	62
74.	12	74
75.	12	82
76.	12	83
77.	12	94
78.	13	20
79.	13	75
80.	13	89
81.	13	91
82.	13	101
83.	13	110
84.	13	111
85.	14	30
86.	14	49
87.	14	55
88.	14	79
89.	14	83
90.	14	85
91.	14	89
92.	14	100

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McGuire Nuclear Station - Unit Two

S/G D

12/94 RFO

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ATTACHMENT #8 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

93. 14 101  
 94. 15 4  
 95. 15 5  
 96. 15 6  
 97. 15 48  
 98. 15 58  
 99. 15 92  
 100. 16 5  
 101. 16 6  
 102. 16 33  
 103. 16 48  
 104. 16 62  
 105. 16 63  
 106. 16 71  
 107. 16 82  
 108. 16 100  
 109. 17 5  
 110. 17 54  
 111. 17 56  
 112. 17 61  
 113. 17 99  
 114. 18 59  
 115. 18 63  
 116. 18 70  
 117. 19 44  
 118. 19 65  
 119. 19 106  
 120. 20 57  
 121. 20 74  
 122. 20 100  
 123. 20 101  
 124. 20 105  
 125. 20 109  
 126. 21 6  
 127. 21 59  
 128. 21 60  
 129. 21 61  
 130. 21 67  
 131. 21 78  
 132. 21 99  
 133. 21 102  
 134. 21 107  
 135. 22 52  
 136. 22 66  
 137. 22 77  
 138. 22 78

139. 22 97  
 140. 22 106  
 141. 22 107  
 142. 23 82  
 143. 23 100  
 144. 23 102  
 145. 23 103  
 146. 24 57  
 147. 24 59  
 148. 24 69  
 149. 24 70  
 150. 24 103  
 151. 25 55  
 152. 25 87  
 153. 25 90  
 154. 25 93  
 155. 26 57  
 156. 26 63  
 157. 26 99  
 158. 26 102  
 159. 27 38  
 160. 27 90  
 161. 27 93  
 162. 27 97  
 163. 28 86  
 164. 28 99  
 165. 28 103  
 166. 28 106  
 167. 29 91  
 168. 29 93  
 169. 29 94  
 170. 29 97  
 171. 30 49  
 172. 30 54  
 173. 30 88  
 174. 30 94  
 175. 30 96  
 176. 30 97  
 177. 30 102  
 178. 31 42  
 179. 32 17  
 180. 32 59  
 181. 32 76  
 182. 32 77  
 183. 32 94  
 184. 33 66

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BWNT TUBAN II (Version 2.1)

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McGuire Nuclear Station - Unit Two

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ATTACHMENT #8 - TUBES PLUGGED 12/94 RFO

COUNT ROW COL

COUNT ROW COL

185.	33	85
186.	33	101
187.	34	61
188.	35	95
189.	36	57
190.	36	67
191.	36	88
192.	37	52
193.	37	93
194.	38	73
195.	39	84
196.	39	88
197.	40	74
198.	40	84
199.	41	41
200.	41	70
201.	42	66
202.	43	47
203.	43	56
204.	43	84
205.	44	78
206.	44	83
207.	44	85
208.	46	39
209.	47	56
210.	47	70

Total Data Items Found = 210

Total Tubes Found = 210