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McGuire Nuclear Generation Department
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DUKE POWER

March 21, 1994

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

Subject: Revised Attachments for Letter dated
March 1, 1994 for McGuire Nuclear Station
Docket No. 50-369
Unit 1 EOC-8 Refueling Outage, April 1993
Steam Generators
NRC Inspection Report - 12 Month

On March 1, 1994, McGuire submitted the subject report for the Unit 1 EOC-8 Refueling Outage. The percent through wall on applicable tubes was not provided in this submittal. Please replace attachments 1, 2, 3, and 4 with the enclosed attachments.

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

Very truly yours,

A handwritten signature in cursive script that reads "T. C. McMeeKin".

T. C. McMeeKin, Vice President
McGuire Nuclear Station

Attachments

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S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
1	7	4/93 RFO	MRPC H/L Plugs	IDI	40	4.03	TE-HL	+0.73
1	106	4/93 RFO	MRPC H/L Plugs	VOL		2.93	TE-HL	+0.66
1	107	4/93 RFO	MRPC H/L Plugs	MCI		9.78	TE-HL	+0.65
2	8	4/93 RFO	Bobbin	ADS		3.64	9TH TSP	+35.67
		4/93 RFO	Bobbin	ADS		4.43	15TH TSP	+16.23
		4/93 RFO	Bobbin	ADS		5.88	15TH TSP	+11.86
		4/93 RFO	C/L Special Int	VOL		0.22	9TH TSP	+21.29
		4/93 RFO	C/L Special Int	VOL		0.34	9TH TSP	+30.04
		4/93 RFO	C/L Special Int	VOL		0.39	15TH TSP	+11.80
		4/93 RFO	C/L Special Int	VOL		0.42	15TH TSP	+16.20
2	17	4/93 RFO	C/L Special Int	VOL		0.28	20TH TSP	+2.07
2	36	4/93 RFO	Bobbin	ADS		6.72	2ND TSP	+39.40
		4/93 RFO	H/L Special Int	VOL		0.57	2ND TSP	+39.40
2	47	4/93 RFO	U-Bend	SAI		0.43	7TH TSP	+1.07
2	110	4/93 RFO	H/L Tubesheet	SAI		1.41	TTS-HL	-1.51
3	16	4/93 RFO	C/L Special Int	VOL		0.26	9TH TSP	+21.25
4	70	4/93 RFO	C/L Special Int	VOL		0.32	17TH TSP	+9.11
4	78	4/93 RFO	Bobbin	IDI	40	17.25	TE-HL	+12.88
		4/93 RFO	H/L Special Int	MAI		4.09	TE-HL	+13.56
4	93	4/93 RFO	Bobbin	IDI	78	15.02	TE-HL	+16.72
		4/93 RFO	H/L Tubesheet	MAI		4.15	TTS-HL	-4.06
		4/93 RFO	H/L Special Int	MAI		3.87	TTS-HL	-4.24
4	109	4/93 RFO	Bobbin	NQI		0.40	3RD TSP	-0.08
5	25	4/93 RFO	Bobbin	ADS		3.92	3RD TSP	+33.72
		4/93 RFO	H/L Special Int	VOL		0.21	4TH TSP	-11.21
5	62	4/93 RFO	Bobbin	IDI	40	4.96	TE-HL	+15.92
		4/93 RFO	H/L Tubesheet	SAI		1.84	TTS-HL	-5.27
		4/93 RFO	H/L Special Int	SAI		2.70	TE-HL	+15.91
5	108	4/93 RFO	Bobbin	IDI	40	2.37	TE-HL	+15.73
		4/93 RFO	H/L Tubesheet	SAI		1.83	TTS-HL	-5.07
		4/93 RFO	H/L Special Int	SAI		0.34	TE-HL	+11.22
		4/93 RFO	H/L Special Int	SAI		1.71	TE-HL	+15.90
6	20	4/93 RFO	C/L Special Int	VOL		0.20	TTS-CL	+7.35
		4/93 RFO	C/L Special Int	VOL		0.28	TTS-CL	+13.52
6	55	4/93 RFO	C/L Special Int	VOL		0.67	9TH TSP	+15.53
6	58	4/93 RFO	Bobbin	ODI	19	0.66	6TH TSP	+34.81
		4/93 RFO	H/L Special Int	VOL		0.15	7TH TSP	-9.18
6	69	4/93 RFO	Bobbin	NQI		0.94	12TH TSP	+12.54
		4/93 RFO	C/L Special Int	VOL		0.38	12TH TSP	+12.55
6	104	4/93 RFO	C/L Special Int	VOL		0.50	8TH TSP	-14.58
6	105	4/93 RFO	Bobbin	ODI	62	0.59	4TH TSP	+0.04
6	107	4/93 RFO	C/L Special Int	VOL		0.26	11TH TSP	+12.32
7	51	4/93 RFO	H/L Tubesheet	SAI		0.30	TTS-HL	-0.05
8	39	4/93 RFO	Bobbin	ADS		5.72	5TH TSP	+12.61
		4/93 RFO	H/L Special Int	VOL		0.44	5TH TSP	+12.54
8	44	4/93 RFO	Bobbin	NQI		0.20	16TH TSP	-0.05
8	46	4/93 RFO	C/L Special Int	VOL		0.26	12TH TSP	+11.15
8	108	4/93 RFO	MRPC H/L Plugs	SCI		4.97	TE-HL	+0.63
9	17	4/93 RFO	Bobbin	ADS		7.16	4TH TSP	+38.71
		4/93 RFO	H/L Special Int	VOL		0.66	5TH TSP	-8.00
		4/93 RFO	H/L Special Int	VOL		1.07	5TH TSP	-5.27
9	59	4/93 RFO	C/L Special Int	VOL		0.13	10TH TSP	+23.63
9	93	4/93 RFO	C/L Special Int	VOL		0.33	17TH TSP	+17.66
9	98	4/93 RFO	H/L Tubesheet	SAI		0.35	TTS-HL	-0.01
9	100	4/93 RFO	H/L Tubesheet	SAI		0.22	TTS-HL	+0.03
10	9	4/93 RFO	C/L Special Int	VOL		0.17	9TH TSP	+13.83
		4/93 RFO	C/L Special Int	VOL		0.65	20TH TSP	+4.21
10	13	4/93 RFO	Bobbin	NQI		0.72	TTS-CL	+3.63
10	22	4/93 RFO	Bobbin	IDI	40	0.72	TE-HL	+17.00
		4/93 RFO	Bobbin	NQI		0.22	1ST TSP	-0.13
10	26	4/93 RFO	C/L Special Int	MAI		0.21	20TH TSP	-3.79
10	88	4/93 RFO	H/L Special Int	VOL		2.08	1ST TSP	+20.35
10	113	4/93 RFO	H/L Tubesheet	SAI		0.31	TTS-HL	+0.00
		4/93 RFO	C/L Special Int	SCI		2.13	8TH TSP	-1.73
11	47	4/93 RFO	Bobbin	NQI		1.11	4TH TSP	+0.36

S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
		4/93 RFO	H/L Special Int	VOL		0.68	1ST TSP +4.13
13	33	4/93 RFO	C/L Special Int	VOL		0.33	12TH TSP +12.51
13	48	4/93 RFO	Bobbin	IDI	40	6.90	TE-HL +2.18
		4/93 RFO	H/L Special Int	SAI		3.60	TE-HL +3.30
13	85	4/93 RFO	H/L Tubesheet	SAI		0.33	TTS-HL -0.13
14	25	4/93 RFO	Bobbin	ODI	40	2.64	TE-HL +1.72
		4/93 RFO	H/L Tubesheet	VOL		0.24	TTS-HL +0.06
14	61	4/93 RFO	C/L Special Int	VOL		0.31	8TH TSP -5.51
		4/93 RFO	C/L Special Int	VOL		0.24	11TH TSP +8.31
14	63	4/93 RFO	Bobbin	NQI		1.02	10TH TSP +30.12
		4/93 RFO	C/L Special Int	VOL		0.14	10TH TSP +29.14
14	64	4/93 RFO	C/L Special Int	VOL		0.45	9TH TSP +18.50
14	68	4/93 RFO	Bobbin	ODI	10	1.15	2ND TSP +8.25
		4/93 RFO	H/L Special Int	VOL		1.07	2ND TSP +8.18
		4/93 RFO	C/L Special Int	VOL		0.23	17TH TSP +13.93
14	71	4/93 RFO	H/L Special Int	VOL		3.27	4TH TSP +33.02 to +38.73
14	76	4/93 RFO	Bobbin	ADS		3.29	3RD TSP +14.81
		4/93 RFO	H/L Tubesheet	SAI		0.52	TTS-HL +0.04
14	84	4/93 RFO	Bobbin	NQI		0.83	TTS-CL +25.28
		4/93 RFO	C/L Special Int	VOL		0.36	TTS-CL +25.55
14	92	4/93 RFO	Bobbin	ADS		7.46	11TH TSP +8.54
		4/93 RFO	H/L Tubesheet	SAI		0.35	TTS-HL -0.15
		4/93 RFO	C/L Special Int	VOL		0.33	11TH TSP +10.10
14	93	4/93 RFO	C/L Special Int	VOL		0.74	10TH TSP -9.30
14	106	4/93 RFO	C/L Special Int	VOL		0.35	17TH TSP +12.99
14	110	4/93 RFO	Bobbin	ADS		3.83	2ND TSP +31.31
15	32	4/93 RFO	Bobbin	ADS		5.26	17TH TSP +4.47
15	55	4/93 RFO	C/L Special Int	VOL		0.81	8TH TSP -11.49
		4/93 RFO	C/L Special Int	VOL		0.20	11TH TSP +5.21
15	63	4/93 RFO	C/L Special Int	VOL		0.16	11TH TSP +30.04
16	49	4/93 RFO	H/L Tubesheet	SAI		0.52	TTS-HL -0.06
16	95	4/93 RFO	Bobbin	IDI	40	11.68	TE-HL +10.20
		4/93 RFO	H/L Special Int	MAI		1.31	TTS-HL -10.55
16	104	4/93 RFO	Bobbin	IDI	40	9.68	TE-HL +2.93
		4/93 RFO	H/L Special Int	MAI		1.18	TE-HL +3.54
17	43	4/93 RFO	C/L Special Int	VOL		0.16	9TH TSP +23.57
17	82	4/93 RFO	C/L Special Int	VOL		0.38	17TH TSP +5.73
18	5	4/93 RFO	H/L Tubesheet	VOL		0.25	TTS-HL +0.38
18	92	4/93 RFO	Bobbin	IDI	40	8.91	TE-HL +14.21
		4/93 RFO	H/L Special Int	MAI		0.59	TTS-HL -7.10
19	84	4/93 RFO	C/L Special Int	VOL		0.33	17TH TSP +10.58
19	92	4/93 RFO	H/L Special Int	VOL		0.30	1ST TSP +0.18
19	105	4/93 RFO	Bobbin	IDI	40	3.99	TE-HL +7.01
		4/93 RFO	H/L Special Int	SAI		1.40	TE-HL +7.43
20	52	4/93 RFO	Bobbin	NQI		0.75	1ST TSP +0.08
20	84	4/93 RFO	Bobbin	IDI	40	11.09	TE-HL +4.19
		4/93 RFO	H/L Special Int	SAI		2.33	TE-HL +3.98
20	86	4/93 RFO	Bobbin	IDI	40	10.94	TE-HL +13.02
		4/93 RFO	H/L Special Int	SAI		1.90	TE-HL +13.06
21	23	4/93 RFO	C/L Special Int	VOL		0.89	17TH TSP +0.00
21	54	4/93 RFO	C/L Special Int	VOL		0.26	9TH TSP +19.19
		4/93 RFO	C/L Special Int	VOL		1.04	9TH TSP +12.52
21	64	4/93 RFO	Bobbin	ADS		5.10	9TH TSP +30.23
21	75	4/93 RFO	Bobbin	ADS		3.63	12TH TSP +12.03
		4/93 RFO	C/L Special Int	VOL		0.34	12TH TSP +12.57
21	78	4/93 RFO	Bobbin	IDI	40	9.43	TE-HL +13.92
		4/93 RFO	H/L Special Int	MAI		2.60	TE-HL +14.02
21	89	4/93 RFO	H/L Special Int	VOL		0.33	1ST TSP +0.15
22	33	4/93 RFO	Bobbin	ODI	26	1.13	6TH TSP +6.71
		4/93 RFO	H/L Special Int	VOL		0.68	6TH TSP +5.92
22	84	4/93 RFO	C/L Special Int	VOL		0.14	9TH TSP +8.18
		4/93 RFO	C/L Special Int	VOL		0.15	9TH TSP +11.37
		4/93 RFO	C/L Special Int	VOL		0.18	9TH TSP -4.37
		4/93 RFO	C/L Special Int	VOL		0.19	9TH TSP +9.81
		4/93 RFO	C/L Special Int	ODI	40	0.21	9TH TSP +0.31

S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
22	85	4/93 RFO	C/L Special Int	VOL		0.14	20TH TSP +5.40
22	86	4/93 RFO	H/L Tubesheet	SAI		0.92	TTS-HL -3.80
23	9	4/93 RFO	C/L Special Int	VOL		0.15	11TH TSP +11.30
		4/93 RFO	C/L Special Int	VOL		0.52	11TH TSP +36.06
23	16	4/93 RFO	Bobbin	ODI	25	0.70	11TH TSP +19.40
		4/93 RFO	C/L Special Int	VOL		0.43	11TH TSP +19.35
23	36	4/93 RFO	C/L Special Int	VOL		1.62	16TH TSP +8.60
23	45	4/93 RFO	C/L Special Int	VOL		0.21	12TH TSP +10.50
23	52	4/93 RFO	C/L Special Int	VOL		0.35	11TH TSP +12.16
23	61	4/93 RFO	Bobbin	ADS		5.31	10TH TSP +13.62
		4/93 RFO	Bobbin	ADS		8.44	10TH TSP +26.40
		4/93 RFO	Bobbin	ADS		10.71	10TH TSP +11.21
		4/93 RFO	C/L Special Int	VOL		1.06	10TH TSP +10.26
23	89	4/93 RFO	H/L Special Int	VOL		0.26	1ST TSP +0.06
25	36	4/93 RFO	Bobbin	ADS		14.98	9TH TSP +21.85
		4/93 RFO	Bobbin	ADS		15.95	8TH TSP +22.04
		4/93 RFO	C/L Special Int	VOL		4.14	8TH TSP -23.29
25	71	4/93 RFO	C/L Special Int	VOL		0.22	10TH TSP -2.74
25	85	4/93 RFO	Bobbin	IDI	40	5.39	TE-HL +16.74
		4/93 RFO	H/L Tubesheet	SAI		2.66	TTS-HL -4.76
		4/93 RFO	H/L Special Int	SAI		2.56	TE-HL +16.80
26	26	4/93 RFO	C/L Special Int	VOL		0.30	12TH TSP +5.16
26	37	4/93 RFO	Bobbin	ADS		9.92	9TH TSP +2.68
		4/93 RFO	C/L Special Int	VOL		3.82	9TH TSP +2.51
26	42	4/93 RFO	C/L Special Int	VOL		0.26	9TH TSP +20.50
26	62	4/93 RFO	H/L Tubesheet	SAI		0.29	TTS-HL +0.00
26	64	4/93 RFO	Bobbin	IDI	40	8.69	TE-HL +13.92
		4/93 RFO	H/L Special Int	MAL		2.79	TE-HL +13.76
26	82	4/93 RFO	Bobbin	IDI	40	24.52	TE-HL +15.88
		4/93 RFO	H/L Special Int	SAI		0.54	TE-HL +2.97
		4/93 RFO	H/L Special Int	SAI		6.96	TE-HL +15.48
26	84	4/93 RFO	Bobbin	IDI	40	31.50	TE-HL +15.05
		4/93 RFO	Bobbin	IDI	40	49.56	TE-HL +14.15
		4/93 RFO	H/L Special Int	MAL		6.84	TE-HL +14.29
		4/93 RFO	H/L Special Int	SAI		5.74	TE-HL +15.31
26	106	4/93 RFO	C/L Special Int	VOL		0.23	TTS-CL +18.69
27	34	4/93 RFO	H/L Tubesheet	VOL		0.61	TTS-HL +0.65
27	72	4/93 RFO	Bobbin	ODI	9	1.90	12TH TSP +20.49
		4/93 RFO	C/L Special Int	VOL		0.31	12TH TSP +20.50
		4/93 RFO	C/L Special Int	VOL		0.54	11TH TSP +0.00
28	82	4/93 RFO	H/L Tubesheet	SAI		0.55	TTS-HL +0.00
28	94	4/93 RFO	Bobbin	ADS		2.10	3RD TSP +40.84
		4/93 RFO	Bobbin	ADS		3.29	3RD TSP +34.01
		4/93 RFO	Bobbin	ADS		5.01	4TH TSP +25.33
		4/93 RFO	H/L Special Int	VOL		0.39	4TH TSP -10.09
		4/93 RFO	H/L Special Int	VOL		0.50	5TH TSP -18.54
29	44	4/93 RFO	C/L Special Int	VOL		0.14	14TH TSP +5.30
29	65	4/93 RFO	Bobbin	NQI		9.48	TTS-CL +0.23
29	80	4/93 RFO	Bobbin	IDI	40	8.83	TE-HL +12.90
		4/93 RFO	Bobbin	ODI	29	0.83	2ND TSP +24.45
		4/93 RFO	H/L Special Int	SAI		5.32	TE-HL +12.91
		4/93 RFO	H/L Special Int	VOL		0.35	2ND TSP +24.14
30	72	4/93 RFO	Bobbin	WAR	17	1.36	3AVB +0.00
30	88	4/93 RFO	H/L Special Int	VOL		0.32	7TH TSP +1.04
31	46	4/93 RFO	C/L Special Int	VOL		0.20	10TH TSP +8.38
32	58	4/93 RFO	C/L Special Int	VOL		0.40	11TH TSP +19.45
33	27	4/93 RFO	Bobbin	ODI	13	0.47	19TH TSP +3.26
		4/93 RFO	C/L Special Int	VOL		0.71	8TH TSP -9.51
		4/93 RFO	C/L Special Int	VOL		0.14	17TH TSP +4.23
		4/93 RFO	C/L Special Int	VOL		0.23	19TH TSP +3.14
33	50	4/93 RFO	Bobbin	NQI		0.56	1ST TSP +0.00
34	26	4/93 RFO	C/L Special Int	VOL		0.32	9TH TSP +3.53
34	53	4/93 RFO	Bobbin	WAR	22	1.56	1AVB +0.00
34	68	4/93 RFO	Bobbin	IDI	40	23.57	TE-HL +16.68
		4/93 RFO	H/L Tubesheet	MAL		2.16	TTS-HL -4.25

S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
34	95	4/93 RFO	H/L Special Int	MAI		1.30	TE-HL +17.08
		4/93 RFO	Bobbin	ADS		5.45	9TH TSP +16.12
		4/93 RFO	Bobbin	ADS		5.65	9TH TSP +16.73
		4/93 RFO	Bobbin	ADS		8.26	17TH TSP +15.32
		4/93 RFO	Bobbin	NQI		2.54	17TH TSP +14.94
		4/93 RFO	C/L Special Int	VOL		0.26	9TH TSP +16.15
		4/93 RFO	C/L Special Int	VOL		0.27	17TH TSP +15.32
35	29	4/93 RFO	H/L Tubesheet	MAI		0.47	TTS-HL -4.01
35	39	4/93 RFO	C/L Special Int	VOL		0.26	10TH TSP +34.32
35	55	4/93 RFO	Bobbin	WAR	14	0.91	1AVB +0.00
35	76	4/93 RFO	Bobbin	IDI	40	5.47	TE-HL +16.88
		4/93 RFO	H/L Tubesheet	SAI		1.22	TTS-HL -4.09
		4/93 RFO	H/L Special Int	SAI		1.58	TE-HL +17.16
36	25	4/93 RFO	C/L Special Int	VOL		0.28	17TH TSP +5.18
36	31	4/93 RFO	Bobbin	ODI	21	0.93	12TH TSP +20.58
36	34	4/93 RFO	Bobbin	WAR	10	0.71	1AVB +0.00
		4/93 RFO	Bobbin	ODI	9	0.99	3RD TSP +11.90
		4/93 RFO	Bobbin	ODI	9	1.68	2ND TSP +39.71
		4/93 RFO	H/L Special Int	VOL		0.44	3RD TSP +11.90
		4/93 RFO	H/L Special Int	VOL		0.84	2ND TSP +39.71
36	35	4/93 RFO	Bobbin	WAR	13	0.86	2AVB +0.00
36	60	4/93 RFO	H/L Special Int	VOL		0.76	1ST TSP +0.20
36	70	4/93 RFO	Bobbin	ADS		3.36	TTS-HL +10.45
		4/93 RFO	H/L Special Int	VOL		0.25	TTS-HL +9.49
36	72	4/93 RFO	H/L Tubesheet	MAI		0.42	TTS-HL +0.03
36	81	4/93 RFO	C/L Special Int	VOL		0.27	10TH TSP -11.77
36	89	4/93 RFO	Bobbin	ADS		8.20	TTS-HL +2.55
		4/93 RFO	H/L Special Int	VOL		0.29	TTS-HL +2.12
36	98	4/93 RFO	Bobbin	ODI	5	2.02	TTS-CL +9.95
		4/93 RFO	C/L Special Int	VOL		0.51	TTS-CL +9.95
37	16	4/93 RFO	Bobbin	WAR	9	0.78	4AVB +0.00
		4/93 RFO	Bobbin	WAR	16	1.20	2AVB +0.00
		4/93 RFO	Bobbin	WAR	18	1.42	3AVB +0.00
37	18	4/93 RFO	C/L Special Int	VOL		0.16	17TH TSP +11.56
37	24	4/93 RFO	Bobbin	WAR	10	0.82	3AVB +0.00
37	28	4/93 RFO	H/L Tubesheet	MAI		1.48	TTS-HL -4.02
37	29	4/93 RFO	Bobbin	IDI	40	14.16	TE-HL +9.12
		4/93 RFO	H/L Special Int	MAI		1.48	TE-HL +9.12
37	94	4/93 RFO	Bobbin	ADS		3.63	12TH TSP +18.27
38	18	4/93 RFO	C/L Special Int	VOL		0.14	10TH TSP -7.32
38	36	4/93 RFO	C/L Special Int	VOL		1.83	16TH TSP -1.32
38	40	4/93 RFO	C/L Special Int	VOL		0.19	10TH TSP +17.13
		4/93 RFO	C/L Special Int	VOL		0.36	10TH TSP +13.64
38	47	4/93 RFO	Bobbin	WAR	7	0.67	2AVB +0.00
38	72	4/93 RFO	C/L Special Int	VOL		0.18	9TH TSP +5.78
38	92	4/93 RFO	Bobbin	ADS		6.36	2ND TSP +22.23
		4/93 RFO	H/L Special Int	VOL		0.66	2ND TSP +21.86
38	95	4/93 RFO	Bobbin	ADS		6.32	18TH TSP +4.54
		4/93 RFO	C/L Special Int	VOL		0.30	18TH TSP +4.37
39	51	4/93 RFO	Bobbin	NQI		0.34	1ST TSP -0.11
39	94	4/93 RFO	C/L Special Int	VOL		0.31	9TH TSP +9.55
		4/93 RFO	C/L Special Int	VOL		0.37	9TH TSP +27.17
		4/93 RFO	C/L Special Int	VOL		0.24	10TH TSP +40.01
39	95	4/93 RFO	Bobbin	NQI		0.53	TTS-HL +24.12
		4/93 RFO	Bobbin	ADS		4.44	5TH TSP +36.55
		4/93 RFO	H/L Special Int	VOL		0.22	6TH TSP -7.82
40	23	4/93 RFO	Bobbin	ADS		4.52	6TH TSP +13.53
		4/93 RFO	H/L Special Int	VOL		0.39	6TH TSP +12.66
40	45	4/93 RFO	H/L Tubesheet	SAI		0.09	TTS-HL -0.01
40	51	4/93 RFO	Bobbin	WAR	29	2.73	1AVB +0.00
40	67	4/93 RFO	C/L Special Int	VOL		1.47	8TH TSP -2.14
40	76	4/93 RFO	C/L Special Int	VOL		0.94	10TH TSP +21.25
40	86	4/93 RFO	Bobbin	WAR	16	1.14	3AVB +0.00
		4/93 RFO	Bobbin	WAR	20	1.49	2AVB +0.00
40	87	4/93 RFO	Bobbin	ODI	27	1.46	12TH TSP +5.67

S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION	
		4/93 RFO	C/L Special Int	VOL		0.12	TTS-CL	+6.40
41	54	4/93 RFO	Bobbin	WAR	15	1.18	2AVB	+0.00
41	59	4/93 RFO	Bobbin	WAR	11	0.75	2AVB	+0.00
		4/93 RFO	Bobbin	WAR	30	2.81	1AVB	+0.00
41	65	4/93 RFO	C/L Special Int	VOL		1.89	TTS-CL	+11.65
41	70	4/93 RFO	Bobbin	WAR	5	0.43	1AVB	+0.00
42	22	4/93 RFO	C/L Special Int	VOL		0.80	14TH TSP	+7.42
42	24	4/93 RFO	Bobbin	WAR	17	1.22	2AVB	+0.00
42	43	4/93 RFO	Bobbin	WAR	7	0.48	3AVB	+0.00
		4/93 RFO	Bobbin	WAR	10	0.66	2AVB	+0.00
		4/93 RFO	Bobbin	WAR	14	0.99	1AVB	+0.00
42	56	4/93 RFO	Bobbin	ODI	10	1.72	1ST TSP	+13.07
		4/93 RFO	H/L Special Int	VOL		0.70	1ST TSP	+13.00
42	57	4/93 RFO	Bobbin	WAR	20	1.59	1AVB	+0.00
43	32	4/93 RFO	Bobbin	ADS		7.28	4TH TSP	+23.21
		4/93 RFO	H/L Special Int	VOL		0.53	4TH TSP	+22.77
43	38	4/93 RFO	C/L Special Int	VOL		2.63	10TH TSP	-6.18
43	57	4/93 RFO	Bobbin	WAR	21	1.58	1AVB	+0.00
43	58	4/93 RFO	C/L Special Int	VOL		3.75	17TH TSP	+16.55
43	63	4/93 RFO	C/L Special Int	VOL		0.75	11TH TSP	+14.82
43	74	4/93 RFO	Bobbin	NQI		0.37	2ND TSP	-0.03
43	87	4/93 RFO	Bobbin	NQI		1.38	9TH TSP	+6.88
		4/93 RFO	C/L Special Int	VOL		0.42	9TH TSP	+6.88
44	28	4/93 RFO	Bobbin	ADS		5.30	2ND TSP	+14.65
44	34	4/93 RFO	Bobbin	ADS		3.46	3RD TSP	+21.42
44	39	4/93 RFO	Bobbin	ODI	12	0.55	1ST TSP	-0.11
		4/93 RFO	H/L Special Int	SAI		0.18	1ST TSP	-0.11
44	81	4/93 RFO	H/L Special Int	VOL		0.23	1ST TSP	+0.25
45	77	4/93 RFO	C/L Special Int	VOL		0.49	16TH TSP	+9.01
46	31	4/93 RFO	Bobbin	ODI	1	1.28	9TH TSP	+34.31
		4/93 RFO	C/L Special Int	VOL		0.67	8TH TSP	-10.45
46	41	4/93 RFO	H/L Tubesheet	SAI		0.34	TTS-HL	-5.79
46	47	4/93 RFO	C/L Special Int	VOL		0.18	TTS-CL	+22.93
46	78	4/93 RFO	Bobbin	ADS		3.81	2ND TSP	+33.10
		4/93 RFO	H/L Special Int	VOL		0.62	2ND TSP	+32.55
46	81	4/93 RFO	C/L Special Int	VOL		0.39	9TH TSP	+24.18
47	56	4/93 RFO	Bobbin	WAR	29	7.36	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.10	19TH TSP	+12.58
		4/93 RFO	C/L Special Int	VOL		1.09	16TH TSP	+0.23
47	57	4/93 RFO	C/L Special Int	VOL		1.88	16TH TSP	+0.00
47	58	4/93 RFO	Bobbin	WAR	20	4.33	14TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		11.57	14TH TSP	+0.00
47	59	4/93 RFO	Bobbin	WAR	20	4.11	14TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		7.51	14TH TSP	+0.00
47	60	4/93 RFO	Bobbin	WAR	10	1.87	14TH TSP	-0.24
		4/93 RFO	Bobbin	WAR	19	4.08	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		1.88	14TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		5.36	16TH TSP	+0.00
47	61	4/93 RFO	Bobbin	ODI	38	1.87	16TH TSP	+0.03
		4/93 RFO	Bobbin	WAR	11	2.06	14TH TSP	-0.21
		4/93 RFO	C/L Special Int	VOL		4.92	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		6.55	14TH TSP	+0.00
47	70	4/93 RFO	C/L Special Int	VOL		0.15	10TH TSP	+16.73
47	77	4/93 RFO	Bobbin	ODI	28	1.13	16TH TSP	-0.26
48	38	4/93 RFO	C/L Special Int	VOL		3.81	16TH TSP	+0.00
48	41	4/93 RFO	Bobbin	WAR	8	2.60	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.48	16TH TSP	+0.00
48	53	4/93 RFO	C/L Special Int	VOL		0.48	17TH TSP	+0.37
48	54	4/93 RFO	Bobbin	ODI	32	2.16	16TH TSP	-0.17
		4/93 RFO	C/L Special Int	VOL		1.16	16TH TSP	-0.10
48	55	4/93 RFO	Bobbin	WAR	9	2.88	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.66	16TH TSP	+0.00
48	56	4/93 RFO	Bobbin	WAR	16	3.30	16TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	16	3.48	12TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	25	5.95	14TH TSP	+0.00

S/G A - ATTACHMENT #1 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		4/93 RFO	C/L Special Int	VOL		0.49	17TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		1.23	12TH TSP	-0.20
		4/93 RFO	C/L Special Int	VOL		1.57	14TH TSP	-0.22
48	62	4/93 RFO	Bobbin	WAR	26	6.09	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		3.08	16TH TSP	+0.00
48	67	4/93 RFO	C/L Special Int	VOL		1.80	20TH TSP	+5.53
48	80	4/93 RFO	C/L Special Int	VOL		0.22	TTS-CL	+3.28
48	83	4/93 RFO	H/L Tubesheet	VOL		0.45	TTS-HL	-0.04
49	37	4/93 RFO	Bobbin	WAR	9	1.69	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		3.15	16TH TSP	+0.00
49	38	4/93 RFO	Bobbin	WAR	19	4.17	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		8.30	16TH TSP	+0.00
49	40	4/93 RFO	Bobbin	WAR	11	3.50	17TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	14	4.61	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.70	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		1.01	17TH TSP	+0.00
49	41	4/93 RFO	Bobbin	WAR	12	3.97	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		1.04	16TH TSP	+0.00
49	42	4/93 RFO	Bobbin	WAR	18	6.07	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		1.67	16TH TSP	+0.00
49	43	4/93 RFO	Bobbin	WAR	12	3.77	17TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	13	4.27	15TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	13	4.46	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.44	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.83	15TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.99	17TH TSP	+0.00
49	46	4/93 RFO	Bobbin	ADS		4.73	4TH TSP	+19.86
		4/93 RFO	Bobbin	ODI	15	1.16	3RD TSP	+23.33
		4/93 RFO	H/L Special Int	VOL		0.48	3RD TSP	+23.67
49	50	4/93 RFO	Bobbin	WAR	15	4.90	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		0.81	16TH TSP	+0.00
49	53	4/93 RFO	Bobbin	ADS		3.04	2ND TSP	+41.54
		4/93 RFO	Bobbin	WAR	14	4.67	17TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	15	5.02	19TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	17	5.91	16TH TSP	+0.00
		4/93 RFO	H/L Special Int	VOL		0.14	3RD TSP	-3.22
		4/93 RFO	C/L Special Int	VOL		0.45	12TH TSP	-0.21
		4/93 RFO	C/L Special Int	VOL		0.60	16TH TSP	+0.19
		4/93 RFO	C/L Special Int	VOL		0.68	17TH TSP	+0.32
		4/93 RFO	C/L Special Int	VOL		0.74	14TH TSP	-0.16
		4/93 RFO	C/L Special Int	VOL		1.14	19TH TSP	+0.26
49	57	4/93 RFO	Bobbin	WAR	15	3.19	14TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	15	3.20	17TH TSP	+0.00
		4/93 RFO	Bobbin	WAR	19	4.13	16TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		5.11	14TH TSP	+0.00
		4/93 RFO	C/L Special Int	VOL		6.74	17TH TSP	+0.00
49	74	4/93 RFO	Bobbin	WAR	29	6.81	16TH TSP	+0.00

Total Indications Found = 372

Total Tubes Found = 208

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
2	22	04/93 RFO	C/L Special Int	VOL		0.29	9TH TSP +13.09
		04/93 RFO	C/L Special Int	VOL		0.20	18TH TSP +1.57
2	25	04/93 RFO	C/L Special Int	VOL		0.50	10TH TSP +31.44
2	27	04/93 RFO	Bobbin	ADS		3.53	13TH TSP +4.73
2	32	04/93 RFO	C/L Special Int	VOL		0.13	11TH TSP +22.98
2	52	04/93 RFO	C/L Special Int	VOL		0.19	12TH TSP +7.92
2	54	04/93 RFO	C/L Special Int	VOL		0.28	TTS-CL +18.03
2	80	04/93 RFO	Bobbin	ADS		5.33	TTS-HL +8.29
2	93	04/93 RFO	Bobbin	IDI	40	2.18	TE-HL +1.00
2	94	04/93 RFO	Bobbin	IDI	40	3.82	TE-HL +1.18
2	96	04/93 RFO	Bobbin	IDI	40	2.21	TE-HL +1.13
2	98	04/93 RFO	Bobbin	IDI	40	2.42	TE-HL +0.90
2	101	04/93 RFO	Bobbin	IDI	40	1.79	TE-HL +1.10
3	1	04/93 RFO	Bobbin	IDI	88	13.14	TE-HL +8.67
		04/93 RFO	H/L Special Int	MAI		1.50	TE-HL +9.27
3	5	04/93 RFO	Bobbin	IDI	91	38.31	TE-HL +9.98
		04/93 RFO	H/L Special Int	MAI		6.49	TE-HL +10.19
3	14	04/93 RFO	U-Bend	SAI		3.34	7TH TSP +16.52 / 8TH TSP
3	16	04/93 RFO	U-Bend	SAI		2.25	7TH TSP +10.19
3	18	04/93 RFO	U-Bend	SAI		12.77	7TH TSP +17.23 / 8TH TSP
3	36	04/93 RFO	U-Bend	SAI		2.21	7TH TSP +17.37
3	39	04/93 RFO	Bobbin	IDI	40	3.67	TE-HL +4.78
		04/93 RFO	H/L Special Int	MAI		2.91	TE-HL +4.88
3	47	04/93 RFO	Bobbin	IDI	40	14.17	TE-HL +7.62
		04/93 RFO	H/L Special Int	MAI		1.96	TTS-CL -13.44
		04/93 RFO	C/L Special Int	VOL		0.19	9TH TSP +21.41
		04/93 RFO	C/L Special Int	VOL		0.26	14TH TSP +1.42 to +3.45
3	48	04/93 RFO	U-Bend	SAI		1.05	7TH TSP +17.75
3	51	04/93 RFO	Bobbin	ADS		3.45	5TH TSP +41.31
4	1	04/93 RFO	Bobbin	IDI	40	19.92	TE-HL +9.17
		04/93 RFO	H/L Special Int	MAI		2.36	TE-HL +9.70
4	9	04/93 RFO	Bobbin	ADS		6.22	6TH TSP +28.30
		04/93 RFO	H/L Special Int	VOL		0.88	6TH TSP +29.08
4	14	04/93 RFO	C/L Special Int	VOL		0.17	18TH TSP +31.21
4	61	04/93 RFO	H/L Tubesheet	MAI		0.25	TTS-HL +0.07
4	77	04/93 RFO	Bobbin	NQI		0.28	2ND TSP -0.04
5	5	04/93 RFO	H/L Tubesheet	SAI		0.58	TTS-HL -4.33
5	27	04/93 RFO	Bobbin	IDI	40	7.42	TE-HL +15.77
		04/93 RFO	H/L Special Int	MAI		1.92	TE-HL +15.77
		04/93 RFO	H/L Special Int	SAI		1.40	TE-HL +7.96
5	34	04/93 RFO	C/L Special Int	VOL		0.35	TTS-CL +1.82
5	47	04/93 RFO	H/L Tubesheet	SAI		0.32	TTS-HL -0.03
5	48	04/93 RFO	H/L Tubesheet	SAI		0.16	TTS-HL -2.10
5	87	04/93 RFO	C/L Special Int	SAI		0.56	10TH TSP -0.98
5	95	04/93 RFO	C/L Special Int	VOL		0.24	12TH TSP +3.01
6	5	04/93 RFO	C/L Special Int	VOL		0.15	16TH TSP +3.84
6	12	04/93 RFO	C/L Special Int	VOL		0.17	11TH TSP +6.28
6	34	04/93 RFO	Bobbin	IDI	40	9.72	TE-HL +10.98
		04/93 RFO	H/L Special Int	MAI		5.13	TE-HL +10.93
6	2	04/93 RFO	Bobbin	IDI	40	14.57	TE-HL +9.55
		04/93 RFO	Bobbin	IDI	40	15.61	TE-HL +3.23
		04/93 RFO	H/L Special Int	MAI		1.47	TE-HL +9.85
		04/93 RFO	H/L Special Int	MAI		3.11	TE-HL +2.56
7	3	04/93 RFO	H/L Tubesheet	SAI		0.23	TTS-HL -0.09
7	22	04/93 RFO	H/L Tubesheet	MAI		0.38	TTS-HL -3.32
7	29	04/93 RFO	Bobbin	IDI	40	18.69	TE-HL +10.31
		04/93 RFO	H/L Special Int	MAI		2.71	TE-HL +10.04
7	33	04/93 RFO	H/L Tubesheet	MAI		0.24	TTS-HL -2.79
7	42	04/93 RFO	Bobbin	IDI	40	9.93	TE-HL +17.08
		04/93 RFO	H/L Tubesheet	MAI		0.41	TTS-HL -5.28
		04/93 RFO	H/L Special Int	MAI		0.43	TTS-HL -3.97
7	43	04/93 RFO	Bobbin	NQI		0.64	2ND TSP -0.07
		04/93 RFO	H/L Tubesheet	SAI		0.29	TTS-HL -1.20
		04/93 RFO	H/L Special Int	SAI		0.39	2ND TSP -0.06
7	91	04/93 RFO	H/L Tubesheet	MAI		0.31	TTS-HL -0.01

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION	
7	96	04/93 RFO	Bobbin	IDI	40	2.18	TE-HL	+17.41
		04/93 RFO	H/L Tubesheet	SAI		0.24	TTS-HL	+0.00
		04/93 RFO	H/L Special Int	SAI		0.23	TTS-HL	-0.10
7	98	04/93 RFO	Bobbin	IDI	40	2.22	TE-HL	+11.65
7	113	04/93 RFO	Bobbin	IDI	40	2.61	TE-HL	+5.17
8	22	04/93 RFO	Bobbin	NQI		2.36	17TH TSP	+16.05
		04/93 RFO	C/L Special Int	VOL		0.41	17TH TSP	+16.18
8	46	04/93 RFO	Bobbin	IDI	40	13.45	TE-HL	+16.23
		04/93 RFO	H/L Special Int	MAI		1.55	TTS-HL	-5.51
8	55	04/93 RFO	H/L Tubesheet	NQI		1.11	TTS-HL	-0.18
8	56	04/93 RFO	Bobbin	IDI	40	13.90	TE-HL	+14.25
		04/93 RFO	H/L Special Int	MAI		0.59	TTS-HL	-7.22
8	74	04/93 RFO	H/L Special Int	VOL		0.51	5TH TSP	+20.17
9	3	04/93 RFO	Bobbin	IDI	40	14.03	TE-HL	+6.86
		04/93 RFO	H/L Special Int	MAI		7.01	TE-HL	+7.74
9	15	04/93 RFO	H/L Tubesheet	SAI		0.74	TTS-HL	+0.02
9	96	04/93 RFO	Bobbin	ADS		3.31	9TH TSP	+6.41
		04/93 RFO	Bobbin	ADS		5.08	9TH TSP	+6.58
		04/93 RFO	C/L Special Int	VOL		0.38	9TH TSP	+6.45
10	30	04/93 RFO	H/L Tubesheet	SAI		0.36	TTS-HL	+0.12
10	43	04/93 RFO	Bobbin	ADS		5.81	10TH TSP	+29.33
		04/93 RFO	C/L Special Int	VOL		0.68	10TH TSP	+29.33
10	50	04/93 RFO	Bobbin	IDI	40	13.29	TE-HL	+15.21
		04/93 RFO	H/L Special Int	MAI		0.31	TTS-HL	-6.49
11	8	04/93 RFO	C/L Special Int	VOL		0.33	17TH TSP	+15.39
11	15	04/93 RFO	C/L Special Int	VOL		0.26	10TH TSP	+30.65
11	25	04/93 RFO	Bobbin	ADS		2.71	9TH TSP	+34.10
		04/93 RFO	C/L Special Int	VOL		0.18	9TH TSP	+32.46
11	30	04/93 RFO	Bobbin	IDI	40	9.61	TE-HL	+6.38
		04/93 RFO	H/L Special Int	SAI		5.10	TE-HL	+5.95
11	31	04/93 RFO	Bobbin	ADS		4.65	10TH TSP	+20.50
11	52	04/93 RFO	Bobbin	IDI	40	6.98	TE-HL	+11.38
		04/93 RFO	H/L Special Int	SAI		3.94	TTS-HL	-10.67
11	86	04/93 RFO	Bobbin	IDI	40	30.92	TE-HL	+17.77
		04/93 RFO	H/L Tubesheet	MAI		4.45	TTS-HL	-3.22
		04/93 RFO	H/L Special Int	MAI		4.22	TTS-HL	-3.31
11	102	04/93 RFO	H/L Tubesheet	MAI		1.40	TTS-HL	-3.87
12	9	04/93 RFO	H/L Tubesheet	MAI		0.24	TTS-HL	+0.13
12	10	04/93 RFO	Bobbin	ODI	16	1.13	6TH TSP	+2.37
		04/93 RFO	H/L Special Int	VOL		0.70	6TH TSP	+2.81
12	18	04/93 RFO	Bobbin	IDI	40	9.60	TE-HL	+11.97
		04/93 RFO	H/L Special Int	SAI		4.05	TE-HL	+11.97
12	30	04/93 RFO	H/L Tubesheet	SAI		0.27	TTS-HL	+0.00
12	42	04/93 RFO	H/L Tubesheet	MAI		0.88	TTS-HL	-0.01
12	82	04/93 RFO	H/L Special Int	VOL		0.25	2ND TSP	+18.17
12	84	04/93 RFO	H/L Tubesheet	SAI		0.67	TTS-HL	-3.36
13	30	04/93 RFO	U-Bend	VOL		0.52	7TH TSP	+52.03
13	37	04/93 RFO	C/L Special Int	VOL		0.36	18TH TSP	+3.87
13	47	04/93 RFO	Bobbin	IDI	40	13.14	TE-HL	+4.50
		04/93 RFO	H/L Special Int	SAI		4.42	TE-HL	+3.89
13	92	04/93 RFO	Bobbin	ADS		4.33	2ND TSP	+23.70
		04/93 RFO	Bobbin	ADS		6.89	4TH TSP	+35.65
		04/93 RFO	H/L Special Int	VOL		1.06	5TH TSP	-9.51
13	98	04/93 RFO	Bobbin	IDI	40	54.72	TE-HL	+2.61
		04/93 RFO	H/L Special Int	MAI		4.35	TE-HL	+0.73
14	23	04/93 RFO	C/L Special Int	VOL		0.41	10TH TSP	+26.59
14	33	04/93 RFO	U-Bend	VOL		0.35	8TH TSP	+8.34
14	41	04/93 RFO	Bobbin	IDI	40	9.37	TE-HL	+13.72
		04/93 RFO	H/L Special Int	MAI		2.31	TTS-HL	-7.53
14	42	04/93 RFO	Bobbin	IDI	40	12.91	TE-HL	+16.75
		04/93 RFO	H/L Tubesheet	SAI		5.61	TTS-HL	-4.40
		04/93 RFO	H/L Special Int	SAI		4.24	TTS-HL	-4.31
14	43	04/93 RFO	H/L Tubesheet	SAI		0.33	TTS-HL	+0.00
14	47	04/93 RFO	Bobbin	IDI	40	8.56	TE-HL	+3.83
		04/93 RFO	Bobbin	IDI	40	30.23	TE-HL	+10.95

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/93 RFO	Bobbin	IDI	40	36.99	TE-HL	+4.73
		04/93 RFO	Bobbin	IDI	40	43.91	TE-HL	+11.95
		04/93 RFO	H/L Tubesheet	SAI		0.75	TTS-HL	+0.00
		04/93 RFO	H/L Special Int	MAI		3.02	TE-HL	+4.58
		04/93 RFO	H/L Special Int	MAI		3.84	TE-HL	+10.08
		04/93 RFO	H/L Special Int	MAI		4.24	TE-HL	+11.26
		04/93 RFO	H/L Special Int	SAI		0.34	TE-HL	+3.47
14	57	04/93 RFO	C/L Special Int	VOL		0.73	10TH TSP	+38.18
14	78	04/93 RFO	H/L Tubesheet	SAI		0.77	TTS-HL	-3.22
14	101	04/93 RFO	Bobbin	NOI		0.55	1ST TSP	-0.16
		04/93 RFO	H/L Special Int	SAI		0.28	1ST TSP	+0.00
15	3	04/93 RFO	C/L Special Int	VOL		0.56	9TH TSP	-1.99
15	6	04/93 RFO	C/L Special Int	VOL		0.44	TTS-CL	+6.89
15	15	04/93 RFO	Bobbin	IDI	40	3.82	TE-HL	+13.65
		04/93 RFO	H/L Special Int	SAI		0.77	TE-HL	+13.30
		04/93 RFO	H/L Special Int	SAI		3.06	TE-HL	+13.65
15	17	04/93 RFO	C/L Special Int	VOL		0.29	17TH TSP	+19.46
15	20	04/93 RFO	Bobbin	IDI	40	6.01	TE-HL	+6.84
		04/93 RFO	Bobbin	IDI	40	6.76	TE-HL	+5.88
		04/93 RFO	Bobbin	IDI	40	7.20	TE-HL	+11.62
		04/93 RFO	Bobbin	IDI	40	9.60	TE-HL	+4.91
		04/93 RFO	H/L Special Int	MAI		0.55	TE-HL	+6.84
		04/93 RFO	H/L Special Int	MAI		0.59	TE-HL	+7.99
		04/93 RFO	H/L Special Int	MAI		0.67	TE-HL	+11.62
		04/93 RFO	H/L Special Int	MAI		1.17	TE-HL	+5.88
		04/93 RFO	H/L Special Int	MAI		1.51	TE-HL	+4.91
15	32	04/93 RFO	Bobbin	IDI	40	9.50	TE-HL	+16.68
		04/93 RFO	H/L Tubesheet	SAI		3.78	TTS-HL	-4.51
		04/93 RFO	H/L Special Int	SAI		2.51	TE-HL	+16.68
15	36	04/93 RFO	C/L Special Int	VOL		0.13	17TH TSP	+6.20
15	50	04/93 RFO	H/L Tubesheet	SAI		0.44	TTS-HL	+0.00
15	82	04/93 RFO	C/L Special Int	VOL		0.55	14TH TSP	+9.15
15	96	04/93 RFO	C/L Special Int	VOL		0.22	11TH TSP	+29.70
		04/93 RFO	C/L Special Int	VOL		0.34	11TH TSP	+40.94
15	99	04/93 RFO	C/L Special Int	VOL		0.36	9TH TSP	+2.22
15	100	04/93 RFO	C/L Special Int	VOL		0.18	12TH TSP	+9.89
16	24	04/93 RFO	Bobbin	ADS		4.54	TTS-CL	+23.74
16	37	04/93 RFO	H/L Tubesheet	SAI		0.29	TTS-HL	+0.00
16	38	04/93 RFO	Bobbin	IDI	40	76.66	TE-HL	+17.02
		04/93 RFO	H/L Special Int	MAI		5.86	TE-HL	+17.02
16	43	04/93 RFO	C/L Special Int	VOL		0.13	11TH TSP	+2.61
16	55	04/93 RFO	C/L Special Int	VOL		0.26	12TH TSP	+2.84
		04/93 RFO	C/L Special Int	VOL		0.26	16TH TSP	+6.17
16	91	04/93 RFO	C/L Special Int	VOL		0.95	9TH TSP	-12.51
16	107	04/93 RFO	C/L Special Int	VOL		0.30	10TH TSP	+10.53
16	108	04/93 RFO	C/L Special Int	VOL		0.52	9TH TSP	-9.66
17	12	04/93 RFO	C/L Special Int	VOL		0.23	14TH TSP	+4.86
		04/93 RFO	C/L Special Int	VOL		0.29	14TH TSP	+0.94
17	18	04/93 RFO	C/L Special Int	VOL		0.23	9TH TSP	+5.55
17	26	04/93 RFO	Bobbin	IDI	40	8.59	TE-HL	+13.78
		04/93 RFO	H/L Special Int	SAI		2.53	TE-HL	+13.78
17	71	04/93 RFO	Bobbin	IDI	40	6.58	TE-HL	+15.90
		04/93 RFO	H/L Special Int	MAI		2.27	TE-HL	+16.43
17	80	04/93 RFO	Bobbin	IDI	40	25.75	TE-HL	+1.70
		04/93 RFO	H/L Special Int	MAI		1.45	TE-HL	+1.20
		04/93 RFO	H/L Special Int	MAI		2.45	TE-HL	+4.72
		04/93 RFO	H/L Special Int	SAI		1.35	TE-HL	+0.09
17	106	04/93 RFO	C/L Special Int	VOL		0.19	11TH TSP	+7.75
18	5	04/93 RFO	C/L Special Int	VOL		0.68	10TH TSP	-7.38
18	37	04/93 RFO	Bobbin	NOI		0.36	17TH TSP	-0.04
18	40	04/93 RFO	Bobbin	IDI	40	6.84	TE-HL	+8.79
		04/93 RFO	H/L Special Int	MAI		2.29	TE-HL	+8.79
18	47	04/93 RFO	Bobbin	ADS		10.35	2ND TSP	+39.79
18	82	04/93 RFO	H/L Tubesheet	SAI		0.78	TTS-HL	-1.10
18	85	04/93 RFO	H/L Tubesheet	SAI		0.26	TTS-HL	+0.00

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS
REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION	
18	111	04/93 RFO	Bobbin	ODI	28	0.78	6TH TSP	+3.24
		04/93 RFO	Bobbin	ODI	34	2.92	6TH TSP	+2.79
		04/93 RFO	H/L Special Int	VOL		0.11	6TH TSP	+3.10
		04/93 RFO	H/L Special Int	VOL		0.35	6TH TSP	+2.64
19	32	04/93 RFO	Bobbin	IDI	40	11.28	TE-HL	+16.67
		04/93 RFO	H/L Tubesheet	SAI		5.49	TTS-HL	-4.92
		04/93 RFO	H/L Special Int	SAI		4.33	TE-HL	+16.67
19	58	04/93 RFO	H/L Tubesheet	SAI		0.78	TTS-HL	+0.00
20	11	04/93 RFO	Bobbin	IDI	40	52.36	TE-HL	+15.97
		04/93 RFO	H/L Special Int	MAI		5.83	TE-HL	+16.70
20	32	04/93 RFO	Bobbin	IDI	40	10.29	TE-HL	+5.87
		04/93 RFO	H/L Special Int	SAI		4.36	TE-HL	+5.87
20	33	04/93 RFO	Bobbin	ADS		1.91	TTS-CL	+18.79
20	46	04/93 RFO	Bobbin	NQI		0.48	11TH TSP	+40.58
		04/93 RFO	C/L Special Int	VOL		0.05	10TH TSP	-2.78
20	50	04/93 RFO	Bobbin	ADS		3.04	17TH TSP	+2.06
20	59	04/93 RFO	C/L Special Int	VOL		1.15	9TH TSP	+18.14
20	100	04/93 RFO	Bobbin	ODI	23	0.63	6TH TSP	+4.68
20	103	04/93 RFO	C/L Special Int	VOL		0.34	10TH TSP	+38.60
		04/93 RFO	C/L Special Int	VOL		0.73	10TH TSP	+25.86
21	6	04/93 RFO	Bobbin	ODI	9	1.56	8TH TSP	+16.20
		04/93 RFO	Bobbin	ODI	15	1.01	9TH TSP	+27.53
		04/93 RFO	C/L Special Int	VOL		0.56	9TH TSP	+27.17
21	7	04/93 RFO	Bobbin	NQI		0.46	7TH TSP	+50.39
21	8	04/93 RFO	H/L Tubesheet	SAI		0.43	TTS-HL	-2.64
21	11	04/93 RFO	H/L Tubesheet	SAI		0.99	TTS-HL	-4.84
21	12	04/93 RFO	Bobbin	IDI	40	7.28	TE-HL	+13.86
		04/93 RFO	H/L Special Int	SAI		3.13	TE-HL	+13.86
21	22	04/93 RFO	C/L Special Int	VOL		0.70	TTS-CL	+1.06
21	25	04/93 RFO	Bobbin	IDI	40	5.06	TE-HL	+10.75
		04/93 RFO	H/L Special Int	SAI		2.85	TE-HL	+10.75
21	27	04/93 RFO	Sleeve Crosswou	ODI	40	5.44	TTS-HL	+11.30
		04/93 RFO	C/L Special Int	VOL		0.20	15TH TSP	+2.31
21	30	04/93 RFO	Bobbin	IDI	40	6.04	TE-HL	+13.74
		04/93 RFO	Bobbin	IDI	40	12.52	TE-HL	+3.36
		04/93 RFO	Bobbin	IDI	40	39.12	TE-HL	+2.47
		04/93 RFO	H/L Special Int	MAI		1.66	TE-HL	+7.11
		04/93 RFO	H/L Special Int	MAI		2.54	TE-HL	+2.42
		04/93 RFO	H/L Special Int	SAI		1.93	TE-HL	+13.74
21	31	04/93 RFO	Bobbin	IDI	40	10.47	TE-HL	+14.65
		04/93 RFO	H/L Special Int	SAI		3.46	TE-HL	+14.65
21	41	04/93 RFO	Bobbin	ADS		1.23	TTS-CL	+13.53
		04/93 RFO	Bobbin	IDI	40	11.49	TE-HL	+1.97
		04/93 RFO	H/L Special Int	MAI		4.06	TE-HL	+2.29
		04/93 RFO	H/L Special Int	SAI		1.71	TE-HL	+1.07
21	42	04/93 RFO	Bobbin	IDI	40	8.83	TE-HL	+17.75
		04/93 RFO	H/L Tubesheet	MAI		2.47	TTS-HL	-3.58
		04/93 RFO	H/L Special Int	MAI		2.63	TTS-HL	-3.31
21	58	04/93 RFO	H/L Tubesheet	SAI		1.20	TTS-HL	+0.00
21	70	04/93 RFO	C/L Special Int	VOL		0.68	13TH TSP	-1.42
21	77	04/93 RFO	Bobbin	NQI		0.52	1ST TSP	-0.12
21	85	04/93 RFO	C/L Special Int	VOL		0.53	18TH TSP	+5.43
		04/93 RFO	C/L Special Int	VOL		0.95	18TH TSP	+7.70
21	86	04/93 RFO	Bobbin	ADS		2.80	3RD TSP	+28.43
		04/93 RFO	Bobbin	ADS		3.87	3RD TSP	+26.87
		04/93 RFO	H/L Special Int	VOL		0.23	3RD TSP	+26.35
		04/93 RFO	H/L Special Int	VOL		0.24	3RD TSP	+28.15
21	92	04/93 RFO	H/L Tubesheet	SAI		0.58	TTS-HL	-1.97
21	93	04/93 RFO	Bobbin	ODI	1	0.84	5TH TSP	+9.42
		04/93 RFO	Bobbin	ODI	5	0.71	5TH TSP	+12.05
		04/93 RFO	H/L Special Int	VOL		0.24	5TH TSP	+4.57
		04/93 RFO	H/L Special Int	VOL		0.26	5TH TSP	+10.24
		04/93 RFO	H/L Special Int	VOL		0.34	5TH TSP	+12.77
21	99	04/93 RFO	Bobbin	NQI		0.30	6TH TSP	+29.78
		04/93 RFO	C/L Special Int	VOL		0.35	13TH TSP	+4.89

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
21	104	04/93 RFO	C/L Special Int	VOL		0.27	8TH TSP -12.21
21	110	04/93 RFO	Bobbin	HQI		3.91	7TH TSP +41.03
22	6	04/93 RFO	Bobbin	WAR	11	0.31	4AVB +0.00
22	9	04/93 RFO	C/L Special Int	VOL		0.73	TTS-CL +13.78
22	10	04/93 RFO	Bobbin	IDI	40	3.88	TE-HL +8.73
		04/93 RFO	H/L Special Int	SAI		2.79	TE-HL +9.35
22	12	04/93 RFO	Bobbin	ADS		7.94	17TH TSP +18.69
		04/93 RFO	C/L Special Int	VOL		0.39	17TH TSP +18.39
22	18	04/93 RFO	Bobbin	IDI	40	5.02	TE-HL +15.74
		04/93 RFO	Bobbin	IDI	40	22.12	TE-HL +5.33
		04/93 RFO	H/L Tubesheet	MAI		1.58	TTS-HL -5.00
		04/93 RFO	H/L Special Int	MAI		0.54	TE-HL +16.50
		04/93 RFO	H/L Special Int	MAI		0.84	TE-HL +5.33
		04/93 RFO	H/L Special Int	MAI		2.48	TE-HL +15.74
		04/93 RFO	H/L Special Int	SAI		0.43	TE-HL +9.03
		04/93 RFO	H/L Special Int	SAI		1.08	TE-HL +7.98
22	33	04/93 RFO	Bobbin	IDI	40	4.25	TE-HL +13.76
		04/93 RFO	Bobbin	IDI	40	15.32	TE-HL +10.82
		04/93 RFO	Bobbin	IDI	40	31.77	TE-HL +2.28
		04/93 RFO	H/L Special Int	MAI		1.18	TE-HL +2.28
		04/93 RFO	H/L Special Int	MAI		2.98	TE-HL +10.82
		04/93 RFO	H/L Special Int	SAI		3.00	TE-HL +13.76
22	43	04/93 RFO	C/L Special Int	VOL		0.22	20TH TSP +1.43
22	52	04/93 RFO	Bobbin	IDI	40	8.58	TE-HL +16.63
		04/93 RFO	H/L Special Int	MAI		3.25	TTS-HL -4.88
22	54	04/93 RFO	C/L Special Int	VOL		0.21	16TH TSP +4.12
		04/93 RFO	C/L Special Int	VOL		0.33	16TH TSP +7.63
22	67	04/93 RFO	Bobbin	IDI	40	26.88	TE-HL +12.63
		04/93 RFO	H/L Special Int	MAI		4.68	TE-HL +13.05
22	93	04/93 RFO	Bobbin	IDI	40	3.04	TE-HL +17.94
		04/93 RFO	Bobbin	IDI	40	29.00	TE-HL +13.10
		04/93 RFO	H/L Tubesheet	SAI		0.63	TTS-HL -2.41
		04/93 RFO	H/L Tubesheet	SAI		1.06	TTS-HL -3.43
		04/93 RFO	H/L Special Int	MAI		0.32	TE-HL +19.22
		04/93 RFO	H/L Special Int	MAI		2.88	TE-HL +13.08
		04/93 RFO	H/L Special Int	SAI		0.92	TE-HL +11.95
		04/93 RFO	H/L Special Int	SAI		1.12	TE-HL +18.96
22	97	04/93 RFO	Bobbin	ADS		4.86	5TH TSP +40.46
		04/93 RFO	H/L Special Int	VOL		0.52	6TH TSP -3.70
		04/93 RFO	C/L Special Int	VOL		0.34	17TH TSP +11.85
22	99	04/93 RFO	Bobbin	ADS		3.47	6TH TSP +24.34
		04/93 RFO	H/L Special Int	VOL		0.30	6TH TSP +18.64
		04/93 RFO	H/L Special Int	VOL		0.31	6TH TSP +24.09
		04/93 RFO	H/L Special Int	VOL		0.35	6TH TSP +22.65
		04/93 RFO	H/L Special Int	VOL		0.71	6TH TSP +20.52
23	19	04/93 RFO	Bobbin	IDI	40	10.79	TE-HL +15.75
		04/93 RFO	H/L Special Int	SAI		4.47	TTS-HL -5.45
23	20	04/93 RFO	Bobbin	IDI	40	5.53	TE-HL +9.78
		04/93 RFO	H/L Special Int	MAI		1.17	TE-HL +13.45
		04/93 RFO	H/L Special Int	SAI		2.75	TE-HL +9.78
23	26	04/93 RFO	Bobbin	IDI	40	8.70	TE-HL +13.72
		04/93 RFO	H/L Special Int	SAI		3.16	TE-HL +13.72
23	34	04/93 RFO	Bobbin	IDI	40	37.24	TE-HL +2.13
		04/93 RFO	H/L Special Int	MAI		3.53	TE-HL +2.13
23	41	04/93 RFO	Bobbin	IDI	40	20.13	TE-HL +14.68
		04/93 RFO	H/L Special Int	MAI		4.59	TE-HL +14.98
23	42	04/93 RFO	Bobbin	IDI	40	5.01	TE-HL +14.64
		04/93 RFO	H/L Special Int	MAI		0.98	TTS-HL -6.32
23	45	04/93 RFO	Bobbin	IDI	40	9.19	TE-HL +9.62
		04/93 RFO	Bobbin	IDI	40	12.46	TE-HL +16.62
		04/93 RFO	H/L Tubesheet	MAI		0.54	TTS-HL -5.51
		04/93 RFO	H/L Special Int	MAI		0.41	TTS-HL -6.93
		04/93 RFO	H/L Special Int	MAI		0.73	TTS-HL -4.72
		04/93 RFO	H/L Special Int	MAI		0.84	TTS-HL -11.01
		04/93 RFO	H/L Special Int	MAI		1.26	TTS-HL -12.32

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	SAI		0.61	TTS-HL -15.27
		04/93 RFO	H/L Special Int	SAI		1.20	TTS-HL -17.22
23	48	04/93 RFO	Bobbin	IDI	40	4.60	TE-HL +12.60
		04/93 RFO	H/L Special Int	SAI		1.83	TTS-HL -8.96
23	52	04/93 RFO	Bobbin	IDI	40	19.74	TE-HL +1.23
		04/93 RFO	H/L Special Int	MAI		3.10	TTS-HL -21.11
23	53	04/93 RFO	Bobbin	IDI	40	30.95	TE-HL +1.52
		04/93 RFO	H/L Special Int	MAI		6.47	TTS-HL -19.95
23	64	04/93 RFO	H/L Tubesheet	MAI		0.14	TTS-HL -0.06
23	66	04/93 RFO	H/L Tubesheet	SAI		0.27	TTS-HL +0.00
23	67	04/93 RFO	Bobbin	ADS		4.12	2ND TSP +27.00
24	16	04/93 RFO	Bobbin	IDI	40	7.30	TE-HL +9.68
		04/93 RFO	H/L Special Int	SAI		3.21	TE-HL +10.46
24	25	04/93 RFO	Bobbin	IDI	40	12.52	TE-HL +17.65
		04/93 RFO	H/L Tubesheet	SAI		6.21	TTS-HL -3.00
		04/93 RFO	H/L Special Int	SAI		5.49	TTS-HL -3.32
24	28	04/93 RFO	Bobbin	IDI	40	26.26	TE-HL +9.18
		04/93 RFO	H/L Special Int	MAI		1.83	TE-HL +9.18
24	49	04/93 RFO	Bobbin	IDI	40	5.31	TE-HL +14.75
		04/93 RFO	H/L Special Int	SAI		0.75	TTS-HL -7.49
24	50	04/93 RFO	Bobbin	IDI	40	15.83	TE-HL +15.73
		04/93 RFO	H/L Special Int	SAI		5.02	TTS-HL -6.49
24	69	04/93 RFO	Bobbin	NQI		0.12	2ND TSP +0.02
24	70	04/93 RFO	Bobbin	NQI		0.19	4TH TSP -0.05
24	93	04/93 RFO	C/L Special Int	VOL		0.30	19TH TSP +3.76
25	17	04/93 RFO	C/L Special Int	VOL		0.74	9TH TSP +23.70
25	19	04/93 RFO	H/L Tubesheet	VOL		0.15	TTS-HL -3.39
25	33	04/93 RFO	Bobbin	IDI	40	4.99	TE-HL +8.66
		04/93 RFO	H/L Special Int	SAI		2.26	TE-HL +8.71
25	34	04/93 RFO	Bobbin	IDI	40	4.66	TE-HL +5.95
		04/93 RFO	Bobbin	IDI	40	6.29	TE-HL +9.87
		04/93 RFO	H/L Special Int	MAI		1.17	TE-HL +3.08
		04/93 RFO	H/L Special Int	MAI		1.35	TE-HL +5.95
		04/93 RFO	H/L Special Int	MAI		1.66	TE-HL +9.87
25	48	04/93 RFO	H/L Tubesheet	SAI		0.15	TTS-HL +0.05
25	50	04/93 RFO	Bobbin	IDI	40	9.69	TE-HL +8.81
		04/93 RFO	H/L Special Int	SAI		1.00	TTS-HL -13.72
		04/93 RFO	H/L Special Int	SAI		2.85	TTS-HL -12.72
25	95	04/93 RFO	H/L Tubesheet	VOL		1.95	TTS-HL -1.74
25	103	04/93 RFO	Bobbin	NQI		0.69	1ST TSP -0.17
		04/93 RFO	H/L Special Int	SAI		0.30	1ST TSP -0.06
26	8	04/93 RFO	Bobbin	WAR	28	1.70	2AVB +0.00
26	38	04/93 RFO	H/L Tubesheet	SAI		0.33	TTS-HL -1.04
26	80	04/93 RFO	H/L Tubesheet	SAI		1.40	TTS-HL -3.30
26	87	04/93 RFO	Bobbin	IDI	40	3.23	TE-HL +11.26
		04/93 RFO	H/L Special Int	MAI		0.68	TE-HL +11.57
26	97	04/93 RFO	Bobbin	ADS		3.09	3RD TSP +16.10 to +19.63
		04/93 RFO	H/L Special Int	VOL		0.24	3RD TSP +17.06
		04/93 RFO	H/L Special Int	VOL		0.26	3RD TSP +19.18
27	16	04/93 RFO	Bobbin	IDI	40	48.83	TE-HL +10.91
		04/93 RFO	H/L Special Int	MAI		8.01	TE-HL +11.88
27	22	04/93 RFO	Bobbin	NQI		1.05	1ST TSP +16.20
		04/93 RFO	Bobbin	ODI	13	1.09	1ST TSP +9.48
		04/93 RFO	Bobbin	ODI	16	1.35	1ST TSP +20.13
		04/93 RFO	Bobbin	ODI	30	1.27	1ST TSP +21.84
		04/93 RFO	Bobbin	ODI	32	0.92	1ST TSP -11.36
		04/93 RFO	Bobbin	ODI	33	1.04	1ST TSP +10.79
		04/93 RFO	Bobbin	ODI	45	1.20	1ST TSP -8.01
		04/93 RFO	Bobbin	ODI	57	1.40	1ST TSP -9.68
		04/93 RFO	Bobbin	ODI	69	1.35	2ND TSP +23.81
		04/93 RFO	Bobbin	ODI	71	1.10	2ND TSP +31.87
		04/93 RFO	Bobbin	ODI	80	0.48	1ST TSP -12.15
27	28	04/93 RFO	C/L Special Int	VOL		0.17	TTS-CL +19.17
27	42	04/93 RFO	Bobbin	IDI	40	5.65	TE-HL +13.75
		04/93 RFO	H/L Special Int	SAI		0.93	TE-HL +8.52

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	SAI		1.66	TE-HL +13.84
27	66	04/93 RFO	Bobbin	IDI	40	5.29	TE-HL +12.98
		04/93 RFO	Bobbin	IDI	40	10.78	TE-HL +16.90
		04/93 RFO	H/L Tubesheet	SAI		5.23	TTS-HL -4.30
27	67	04/93 RFO	C/L Special Int	VOL		0.15	13TH TSP +2.52
28	24	04/93 RFO	Bobbin	NQI		0.39	1ST TSP +0.02
		04/93 RFO	H/L Special Int	MAI		0.20	1ST TSP +0.02
28	73	04/93 RFO	Bobbin	ADS		8.18	1ST TSP +4.74
		04/93 RFO	H/L Special Int	VOL		0.70	1ST TSP +4.56
28	85	04/93 RFO	Bobbin	IDI	40	6.04	TE-HL +10.34
		04/93 RFO	Bobbin	IDI	40	6.16	TE-HL +3.45
		04/93 RFO	Bobbin	IDI	40	7.34	TE-HL +14.35
		04/93 RFO	Bobbin	IDI	40	15.62	TE-HL +11.41
		04/93 RFO	Bobbin	IDI	40	16.99	TE-HL +18.37
		04/93 RFO	H/L Tubesheet	MAI		2.72	TTS-HL -3.23
		04/93 RFO	H/L Special Int	MAI		0.48	TE-HL +10.43
		04/93 RFO	H/L Special Int	MAI		0.57	TE-HL +2.45
		04/93 RFO	H/L Special Int	MAI		2.11	TE-HL +19.04
		04/93 RFO	H/L Special Int	MAI		2.21	TE-HL +11.64
		04/93 RFO	H/L Special Int	SAI		2.54	TE-HL +15.00
28	99	04/93 RFO	Bobbin	ODI	50	0.83	3RD TSP +5.35
		04/93 RFO	H/L Special Int	SAI		0.11	3RD TSP +5.22
28	100	04/93 RFO	Bobbin	IDI	40	7.46	TE-HL +10.83
		04/93 RFO	H/L Special Int	SAI		3.50	TE-HL +10.77
29	28	04/93 RFO	Bobbin	IDI	40	5.70	TE-HL +16.82
		04/93 RFO	H/L Tubesheet	SAI		1.53	TTS-HL -4.39
		04/93 RFO	H/L Special Int	MAI		0.76	TTS-HL -10.64
		04/93 RFO	H/L Special Int	SAI		0.47	TTS-HL -5.39
		04/93 RFO	H/L Special Int	SAI		1.22	TTS-HL -3.77
29	30	04/93 RFO	C/L Special Int	VOL		0.40	9TH TSP +41.75
		04/93 RFO	C/L Special Int	VOL		0.44	9TH TSP +38.74
29	72	04/93 RFO	C/L Special Int	VOL		0.41	9TH TSP +13.31
29	74	04/93 RFO	H/L Tubesheet	SAI		0.90	TTS-HL -2.57
30	18	04/93 RFO	Bobbin	ADS		7.03	12TH TSP +10.46
		04/93 RFO	C/L Special Int	VOL		0.60	12TH TSP +9.92
30	23	04/93 RFO	Bobbin	NQI		0.63	11TH TSP -0.14
30	51	04/93 RFO	C/L Special Int	VOL		0.80	10TH TSP -5.74
30	77	04/93 RFO	H/L Tubesheet	MAI		0.92	TTS-HL -4.48
		04/93 RFO	C/L Special Int	VOL		0.25	9TH TSP +14.14
30	78	04/93 RFO	C/L Special Int	VOL		0.30	14TH TSP +7.08
		04/93 RFO	C/L Special Int	VOL		0.39	12TH TSP +15.43
31	56	04/93 RFO	Bobbin	IDI	40	7.88	TE-HL +14.83
		04/93 RFO	H/L Special Int	MAI		0.98	TTS-HL -6.89
31	59	04/93 RFO	Bobbin	IDI	40	11.81	TE-HL +10.84
		04/93 RFO	H/L Special Int	MAI		1.97	TTS-HL -10.08
31	72	04/93 RFO	Bobbin	IDI	40	11.82	TE-HL +12.81
		04/93 RFO	H/L Special Int	MAI		3.63	TE-HL +13.38
		04/93 RFO	H/L Special Int	SAI		1.49	TE-HL +16.27
31	102	04/93 RFO	Bobbin	ADS		6.71	2ND TSP +30.59
		04/93 RFO	H/L Special Int	VOL		0.82	3RD TSP -14.13
32	13	04/93 RFO	Bobbin	ODI	18	0.19	5TH TSP +0.10
32	39	04/93 RFO	Bobbin	IDI	40	6.00	TE-HL +12.74
		04/93 RFO	H/L Special Int	SAI		2.41	TE-HL +12.72
32	56	04/93 RFO	Bobbin	IDI	40	4.44	TE-HL +17.79
		04/93 RFO	H/L Tubesheet	SAI		3.17	TTS-HL -3.20
		04/93 RFO	H/L Special Int	SAI		2.40	TTS-HL -4.10
32	60	04/93 RFO	H/L Tubesheet	SAI		0.40	TTS-HL +0.02
32	64	04/93 RFO	H/L Tubesheet	MAI		0.97	TTS-HL -4.70
32	75	04/93 RFO	Bobbin	ADS		4.12	2ND TSP +7.00
		04/93 RFO	H/L Special Int	VOL		0.24	2ND TSP +6.57
32	86	04/93 RFO	H/L Tubesheet	SAI		0.45	TTS-HL -1.47
32	89	04/93 RFO	Bobbin	ADS		23.31	16TH TSP +1.82
32	96	04/93 RFO	H/L Tubesheet	VOL		0.61	TTS-HL -3.40
32	103	04/93 RFO	C/L Special Int	VOL		0.30	10TH TSP +17.53
33	16	04/93 RFO	Bobbin	IDI	40	4.31	TE-HL +8.87

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS
REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	SAI		1.34	TE-HL +9.66
33	37	04/93 RFO	Bobbin	NQI		0.34	1ST TSP +0.02
		04/93 RFO	H/L Special Int	VOL		0.18	1ST TSP +0.03
33	42	04/93 RFO	C/L Special Int	VOL		0.32	11TH TSP +37.28
33	100	04/93 RFO	Bobbin	WAR	13	0.64	2AVB +0.00
34	19	04/93 RFO	Bobbin	NQI		0.51	2ND TSP +0.00
34	29	04/93 RFO	Bobbin	ODI	28	0.36	1ST TSP -0.05
		04/93 RFO	H/L Special Int	SAI		0.13	1ST TSP -0.05
34	30	04/93 RFO	Bobbin	WAR	20	0.74	2AVB +0.00
34	57	04/93 RFO	Bobbin	IDI	40	7.48	TE-HL +13.73
		04/93 RFO	H/L Special Int	MAI		1.22	TE-HL +13.88
34	64	04/93 RFO	Bobbin	IDI	40	6.16	TE-HL +10.88
		04/93 RFO	H/L Special Int	MAI		0.53	TTS-HL -10.15
34	76	04/93 RFO	Bobbin	ADS		3.34	4TH TSP +10.10
		04/93 RFO	H/L Special Int	VOL		0.56	4TH TSP +9.72
34	83	04/93 RFO	Bobbin	ADS		5.58	3RD TSP +19.56
		04/93 RFO	H/L Special Int	VOL		0.62	3RD TSP +23.22
34	91	04/93 RFO	Bobbin	NQI		0.38	19TH TSP -0.12
35	35	04/93 RFO	Bobbin	IDI	40	5.69	TE-HL +3.03
		04/93 RFO	H/L Special Int	MAI		2.75	TE-HL +3.14
35	39	04/93 RFO	Bobbin	IDI	40	6.71	TE-HL +13.76
		04/93 RFO	H/L Special Int	SAI		4.81	TE-HL +13.68
35	50	04/93 RFO	Bobbin	ODI	59	0.46	1ST TSP -0.08
		04/93 RFO	H/L Special Int	SAI		0.21	1ST TSP +0.00
35	53	04/93 RFO	Bobbin	WAR	25	1.16	2AVB +0.00
35	78	04/93 RFO	Bobbin	WAR	33	2.56	3AVB +0.00
36	21	04/93 RFO	C/L Special Int	VOL		0.32	20TH TSP +6.34
36	39	04/93 RFO	Bobbin	WAR	21	0.93	1AVB +0.00
36	43	04/93 RFO	Bobbin	ODI	16	0.92	4TH TSP +20.98
		04/93 RFO	H/L Special Int	VOL		0.52	4TH TSP +20.38
36	64	04/93 RFO	Bobbin	NQI		0.29	17TH TSP -0.02
36	65	04/93 RFO	Bobbin	WAR	26	1.45	3AVB +0.00
36	69	04/93 RFO	Bobbin	WAR	29	1.84	3AVB +0.00
37	27	04/93 RFO	C/L Special Int	VOL		0.53	17TH TSP +20.98
37	32	04/93 RFO	C/L Special Int	VOL		0.34	19TH TSP +4.19
37	88	04/93 RFO	C/L Special Int	VOL		0.19	17TH TSP +6.72
37	98	04/93 RFO	C/L Special Int	VOL		0.21	TTS-CL +7.19
37	99	04/93 RFO	H/L Tubesheet	VOL		0.49	TTS-HL -0.10
38	29	04/93 RFO	C/L Special Int	VOL		0.16	TTS-CL +5.78
38	30	04/93 RFO	Bobbin	IDI	40	21.15	TE-HL +5.75
		04/93 RFO	H/L Special Int	MAI		3.79	TE-HL +5.75
38	31	04/93 RFO	C/L Special Int	VOL		0.07	15TH TSP +1.36
		04/93 RFO	C/L Special Int	VOL		0.09	16TH TSP +4.20
38	54	04/93 RFO	Bobbin	WAR	12	0.45	2AVB +0.00
		04/93 RFO	Bobbin	WAR	15	0.60	3AVB +0.00
		04/93 RFO	Bobbin	WAR	25	1.34	1AVB +0.00
38	58	04/93 RFO	Bobbin	WAR	38	4.68	3AVB +0.00
38	59	04/93 RFO	Bobbin	WAR	23	1.22	1AVB +0.00
		04/93 RFO	Bobbin	WAR	30	2.01	2AVB +0.00
38	75	04/93 RFO	Bobbin	IDI	40	5.40	TE-HL +6.24
		04/93 RFO	H/L Special Int	MAI		1.26	TE-HL +6.35
38	87	04/93 RFO	C/L Special Int	VOL		0.41	8TH TSP -7.37
39	67	04/93 RFO	H/L Tubesheet	SAI		1.24	TTS-HL -3.68
39	80	04/93 RFO	Bobbin	WAR	35	2.85	2AVB +0.00
		04/93 RFO	Bobbin	WAR	38	3.78	3AVB +0.00
39	81	04/93 RFO	C/L Special Int	VOL		0.65	9TH TSP -9.23
39	96	04/93 RFO	C/L Special Int	VOL		0.66	10TH TSP +17.37
40	38	04/93 RFO	Bobbin	WAR	19	0.91	3AVB +0.00
40	70	04/93 RFO	Bobbin	WAR	29	1.74	3AVB +0.00
40	88	04/93 RFO	Bobbin	IDI	40	6.12	TE-HL +17.04
		04/93 RFO	H/L Tubesheet	MAI		1.16	TTS-HL -3.81
		04/93 RFO	H/L Special Int	MAI		0.68	TE-HL +16.35
41	44	04/93 RFO	Bobbin	WAR	21	1.04	3AVB +0.00
		04/93 RFO	Bobbin	WAR	21	1.06	4AVB +0.00
		04/93 RFO	Bobbin	WAR	30	1.99	2AVB +0.00

S/G B - ATTACHMENT #2 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
41	48	04/93 RFO	Bobbin	WAR	20	0.99	2AVB +0.00
41	53	04/93 RFO	C/L Special Int	VOL		0.42	TTS-CL +22.69
		04/93 RFO	C/L Special Int	NQI		0.31	19TH TSP +12.99
		04/93 RFO	C/L Special Int	VOL		0.70	11TH TSP +22.33
41	58	04/93 RFO	Bobbin	WAR	26	1.43	1AVB +0.00
41	64	04/93 RFO	Bobbin	WAR	34	2.71	2AVB +0.00
		04/93 RFO	Bobbin	WAR	35	2.75	3AVB +0.00
		04/93 RFO	Bobbin	WAR	38	3.62	1AVB +0.00
41	65	04/93 RFO	Bobbin	WAR	35	2.91	3AVB +0.00
		04/93 RFO	Bobbin	WAR	37	3.33	2AVB +0.00
41	66	04/93 RFO	Bobbin	WAR	23	1.12	1AVB +0.00
41	68	04/93 RFO	Bobbin	WAR	25	1.34	1AVB +0.00
41	70	04/93 RFO	Bobbin	WAR	30	1.98	1AVB +0.00
41	71	04/93 RFO	Bobbin	WAR	24	1.20	1AVB +0.00
41	91	04/93 RFO	Bobbin	IDI	40	2.96	TE-HL +17.69
		04/93 RFO	H/L Tubesheet	SAI		2.52	TTS-HL -3.01
		04/93 RFO	H/L Special Int	SAI		1.67	TE-HL +17.16
42	45	04/93 RFO	C/L Special Int	VOL		0.54	13TH TSP +5.97
42	59	04/93 RFO	Bobbin	WAR	41	4.75	1AVB +0.00
42	64	04/93 RFO	Bobbin	WAR	36	3.16	1AVB +0.00
42	77	04/93 RFO	Bobbin	IDI	40	7.78	TE-HL +14.14
		04/93 RFO	H/L Special Int	MAI		2.49	TE-HL +13.90
43	22	04/93 RFO	Bobbin	WAR	16	0.88	2AVB +0.00
		04/93 RFO	Bobbin	WAR	22	1.47	1AVB +0.00
43	23	04/93 RFO	Bobbin	WAR	7	0.33	2AVB +0.00
43	39	04/93 RFO	C/L Special Int	VOL		0.13	17TH TSP +12.06
43	88	04/93 RFO	Bobbin	IDI	40	3.10	TE-HL +15.35
		04/93 RFO	H/L Special Int	SAI		1.27	TE-HL +15.14
43	89	04/93 RFO	Bobbin	IDI	40	11.06	TE-HL +17.24
		04/93 RFO	H/L Tubesheet	MAI		1.68	TTS-HL -4.47
		04/93 RFO	H/L Special Int	MAI		1.07	TE-HL +17.12
44	46	04/93 RFO	Bobbin	WAR	16	0.88	1AVB +0.00
44	72	04/93 RFO	C/L Special Int	VOL		0.20	10TH TSP +2.25
		04/93 RFO	C/L Special Int	VOL		0.39	10TH TSP +6.33
		04/93 RFO	C/L Special Int	VOL		0.42	11TH TSP +14.52
		04/93 RFO	C/L Special Int	VOL		0.47	11TH TSP +20.41
		04/93 RFO	C/L Special Int	VOL		0.63	10TH TSP -0.61
44	76	04/93 RFO	C/L Special Int	VOL		0.78	9TH TSP +19.96
44	82	04/93 RFO	Bobbin	IDI	40	46.76	TE-HL +3.32
		04/93 RFO	H/L Special Int	MAI		0.44	TTS-HL -18.34
44	86	04/93 RFO	Bobbin	ODI	82	1.42	1ST TSP +0.07
		04/93 RFO	H/L Special Int	MAI		0.24	1ST TSP +0.14
45	40	04/93 RFO	Bobbin	WAR	18	0.83	1AVB +0.00
46	28	04/93 RFO	Bobbin	IDI	40	16.03	TE-HL +7.21
		04/93 RFO	H/L Special Int	SAI		0.90	TE-HL +7.21
46	29	04/93 RFO	Bobbin	IDI	40	6.52	TE-HL +10.32
		04/93 RFO	H/L Special Int	MAI		0.56	TE-HL +6.58
47	33	04/93 RFO	Bobbin	NQI		0.60	1ST TSP -0.13
		04/93 RFO	H/L Special Int	SAI		0.39	1ST TSP -0.13
48	82	04/93 RFO	Bobbin	NQI		0.81	1ST TSP +0.10
		04/93 RFO	Bobbin	NQI		1.06	2ND TSP +0.02
49	40	04/93 RFO	Bobbin	ODI	14	2.30	17TH TSP -0.13
		04/93 RFO	C/L Special Int	VOL		0.62	17TH TSP -0.16
49	56	04/93 RFO	Bobbin	WAR	10	2.10	19TH TSP +0.00
		04/93 RFO	C/L Special Int	VOL		0.21	19TH TSP -0.36
49	57	04/93 RFO	Bobbin	ODI	8	2.69	17TH TSP -0.16
		04/93 RFO	Bobbin	ODI	23	2.59	19TH TSP -0.07
		04/93 RFO	C/L Special Int	VOL		0.41	19TH TSP -0.10
		04/93 RFO	C/L Special Int	VOL		0.56	17TH TSP -0.17
49	83	04/93 RFO	Bobbin	NQI		1.18	2ND TSP +0.20

Total Indications Found = 580

Total Tubes Found = 311

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
2	8	04/93 RFO	C/L Special Int	VOL		0.34	18TH TSP	+9.92
		04/93 RFO	C/L Special Int	VOL		0.47	18TH TSP	+18.74
2	11	04/93 RFO	C/L Special Int	VOL		0.94	11TH TSP	+17.29
2	14	04/93 RFO	C/L Special Int	VOL		0.52	18TH TSP	+19.20
2	58	04/93 RFO	C/L Special Int	VOL		0.41	15TH TSP	+11.06
2	59	04/93 RFO	H/L Tubesheet	SAI		0.40	TTS-HL	+0.11
2	63	04/93 RFO	C/L Special Int	VOL		0.26	18TH TSP	+18.37
		04/93 RFO	C/L Special Int	VOL		0.30	18TH TSP	+34.59
2	68	04/93 RFO	H/L Tubesheet	SAI		0.64	TTS-HL	+0.11
2	88	04/93 RFO	Bobbin	ADS		7.98	15TH TSP	+18.72
		04/93 RFO	C/L Special Int	VOL		1.24	13TH TSP	-3.90
2	101	04/93 RFO	H/L Tubesheet	SAI		0.26	TTS-HL	+0.06
2	102	04/93 RFO	H/L Tubesheet	SAI		0.59	TTS-HL	-0.03
2	112	04/93 RFO	H/L Tubesheet	SAI		0.24	TTS-HL	+0.03
2	113	04/93 RFO	H/L Tubesheet	MAI		0.54	TTS-HL	+0.01
3	10	04/93 RFO	U-Bend	SAI		1.03	7TH TSP	+9.68
3	16	04/93 RFO	U-Bend	VOL		0.62	8TH TSP	-0.07
		04/93 RFO	U-Bend	VOL		0.66	7TH TSP	+17.94
3	72	04/93 RFO	H/L Tubesheet	VOL		0.18	TTS-HL	-3.12
3	75	04/93 RFO	U-Bend	SAI		1.27	7TH TSP	+9.29
3	105	04/93 RFO	Bobbin	IDI	48	8.84	TE-HL	+17.09
		04/93 RFO	H/L Tubesheet	MAI		0.70	TTS-HL	-3.08
		04/93 RFO	H/L Special Int	MAI		0.40	TTS-HL	-3.40
4	4	04/93 RFO	C/L Special Int	VOL		0.23	11TH TSP	+28.34
4	31	04/93 RFO	U-Bend	VOL		0.75	8TH TSP	+7.13
4	50	04/93 RFO	U-Bend	SAI		1.03	7TH TSP	+16.48
4	64	04/93 RFO	H/L Tubesheet	MAI		0.35	TTS-HL	-1.51
4	78	04/93 RFO	C/L Special Int	VOL		0.37	12TH TSP	+13.45
4	101	04/93 RFO	U-Bend	VOL		0.51	7TH TSP	+8.05
4	112	04/93 RFO	H/L Tubesheet	MAI		0.15	TTS-HL	-1.70
5	53	04/93 RFO	H/L Tubesheet	MAI		0.31	TTS-HL	-4.32
5	57	04/93 RFO	H/L Tubesheet	SAI		0.17	TTS-HL	+0.12
5	61	04/93 RFO	C/L Special Int	VOL		0.59	10TH TSP	+24.30
5	69	04/93 RFO	C/L Special Int	VOL		0.48	8TH TSP	-11.92
6	8	04/93 RFO	Bobbin	ADS		5.50	9TH TSP	+17.32
6	93	04/93 RFO	Bobbin	ADS		7.00	1ST TSP	+21.41
		04/93 RFO	H/L Special Int	VOL		0.82	2ND TSP	-2.57
		04/93 RFO	H/L Special Int	VOL		0.83	1ST TSP	+21.41
6	101	04/93 RFO	H/L Tubesheet	SAI		0.49	TTS-HL	-2.72
6	104	04/93 RFO	C/L Special Int	VOL		0.60	11TH TSP	+6.04
7	13	04/93 RFO	C/L Special Int	VOL		0.43	17TH TSP	+0.87
7	17	04/93 RFO	Bobbin	NQI		0.66	9TH TSP	-0.52
7	75	04/93 RFO	Bobbin	ODI	7	0.80	1ST TSP	+10.00
7	94	04/93 RFO	Bobbin	IDI	40	11.87	TE-HL	+15.03
		04/93 RFO	H/L Special Int	SAI		0.49	TTS-HL	-6.93
		04/93 RFO	H/L Special Int	SAI		6.12	TTS-HL	-5.32
8	5	04/93 RFO	C/L Special Int	VOL		0.50	11TH TSP	+16.95
8	9	04/93 RFO	Bobbin	NQI		0.74	5TH TSP	+40.00
		04/93 RFO	H/L Special Int	VOL		0.28	5TH TSP	+40.00
8	20	04/93 RFO	C/L Special Int	VOL		0.39	8TH TSP	-7.74
8	21	04/93 RFO	C/L Special Int	VOL		0.26	11TH TSP	+10.58
8	22	04/93 RFO	C/L Special Int	VOL		0.72	11TH TSP	-7.18
8	29	04/93 RFO	Bobbin	ADS		3.78	5TH TSP	+23.14
		04/93 RFO	H/L Special Int	VOL		0.43	5TH TSP	+23.14
8	56	04/93 RFO	Bobbin	NQI		0.30	1ST TSP	-0.08
		04/93 RFO	H/L Special Int	SAI		0.25	1ST TSP	-0.06
9	10	04/93 RFO	Bobbin	NQI		0.63	3RD TSP	+25.38
9	20	04/93 RFO	C/L Special Int	VOL		0.35	12TH TSP	+19.61
9	31	04/93 RFO	Bobbin	ADS		6.06	2ND TSP	+16.50
9	35	04/93 RFO	C/L Special Int	VOL		0.36	TTS-CL	+20.22
9	49	04/93 RFO	Bobbin	NQI		0.67	6TH TSP	+4.91
		04/93 RFO	H/L Special Int	VOL		0.76	6TH TSP	+5.51
9	51	04/93 RFO	Bobbin	NQI		1.00	6TH TSP	+37.46
		04/93 RFO	H/L Special Int	VOL		0.80	7TH TSP	-8.00
9	66	04/93 RFO	Bobbin	NQI		0.24	2ND TSP	-0.02

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	SAI		0.29	2ND TSP -0.02
9	77	04/93 RFO	C/L Special Int	VOL		0.56	10TH TSP +34.56
9	98	04/93 RFO	H/L Tubesheet	SAI		0.18	TTS-HL -0.06
9	106	04/93 RFO	H/L Tubesheet	SAI		0.40	TTS-HL +0.05
10	11	04/93 RFO	C/L Special Int	VOL		0.33	13TH TSP +4.98
10	21	04/93 RFO	Bobbin	ADS		2.21	1ST TSP +4.44
10	26	04/93 RFO	C/L Special Int	VOL		0.24	11TH TSP -3.15
10	106	04/93 RFO	H/L Tubesheet	SAI		0.66	TTS-HL +0.00
11	8	04/93 RFO	C/L Special Int	VOL		0.29	15TH TSP +6.43
11	13	04/93 RFO	C/L Special Int	VOL		0.12	9TH TSP -2.90
11	62	04/93 RFO	C/L Special Int	VOL		0.60	13TH TSP +4.63
11	80	04/93 RFO	Bobbin	NQI		0.83	2ND TSP +0.16
11	97	04/93 RFO	C/L Special Int	VOL		0.39	11TH TSP -2.64
11	110	04/93 RFO	C/L Special Int	VOL		0.37	12TH TSP +15.54
11	111	04/93 RFO	Bobbin	NQI		1.78	14TH TSP +1.91
		04/93 RFO	C/L Special Int	VOL		0.46	14TH TSP +1.97
12	9	04/93 RFO	C/L Special Int	VOL		0.15	12TH TSP +9.57
12	14	04/93 RFO	C/L Special Int	VOL		0.22	11TH TSP -3.17
12	39	04/93 RFO	C/L Special Int	VOL		0.51	17TH TSP +15.06
12	97	04/93 RFO	Bobbin	ODI	38	0.37	3RD TSP -0.04
13	105	04/93 RFO	Bobbin	NQI		0.75	2ND TSP -0.13
14	20	04/93 RFO	Bobbin	NQI		0.51	7TH TSP +3.67
14	61	04/93 RFO	Bobbin	IDI	40	15.03	TE-HL +6.71
		04/93 RFO	H/L Special Int	MAI		1.91	TE-HL +6.71
14	69	04/93 RFO	Bobbin	IDI	40	11.48	TE-HL +7.63
		04/93 RFO	H/L Special Int	MAI		1.47	TE-HL +7.63
14	98	04/93 RFO	Bobbin	IDI	40	9.17	TE-HL +14.21
		04/93 RFO	H/L Special Int	SAI		0.46	TTS-HL -5.97
14	112	04/93 RFO	Bobbin	IDI	40	29.98	TE-CL +1.54
15	4	04/93 RFO	C/L Special Int	VOL		0.23	9TH TSP +9.81
		04/93 RFO	C/L Special Int	VOL		0.31	9TH TSP +8.57
15	11	04/93 RFO	C/L Special Int	VOL		0.57	12TH TSP +6.90
15	22	04/93 RFO	Bobbin	NQI		0.58	15TH TSP +6.20
		04/93 RFO	C/L Special Int	VOL		0.13	18TH TSP +3.37
		04/93 RFO	C/L Special Int	VOL		0.23	20TH TSP -26.56
		04/93 RFO	C/L Special Int	VOL		0.27	13TH TSP +6.37
15	38	04/93 RFO	Bobbin	ADS		5.55	3RD TSP +36.32
15	48	04/93 RFO	C/L Special Int	VOL		0.31	14TH TSP +3.60
15	56	04/93 RFO	H/L Tubesheet	VOL		0.36	TTS-HL -4.72
15	58	04/93 RFO	H/L Tubesheet	SAI		0.51	TTS-HL +0.04
15	79	04/93 RFO	C/L Special Int	VOL		0.24	11TH TSP +30.40
16	11	04/93 RFO	C/L Special Int	VOL		0.39	11TH TSP +27.08
16	13	04/93 RFO	Bobbin	NQI		0.55	11TH TSP +23.72
		04/93 RFO	C/L Special Int	VOL		0.24	11TH TSP +20.31
		04/93 RFO	C/L Special Int	VOL		0.57	11TH TSP +22.45
16	15	04/93 RFO	C/L Special Int	VOL		0.14	14TH TSP +2.91
		04/93 RFO	C/L Special Int	VOL		0.24	14TH TSP +5.69
		04/93 RFO	C/L Special Int	VOL		0.45	14TH TSP +9.22
16	27	04/93 RFO	C/L Special Int	VOL		0.17	17TH TSP +8.68
16	33	04/93 RFO	Bobbin	ODI	27	1.37	10TH TSP +29.12
		04/93 RFO	C/L Special Int	VOL		0.29	10TH TSP +28.65
16	56	04/93 RFO	Bobbin	NQI		2.08	18TH TSP +4.89
16	101	04/93 RFO	Bobbin	ODI	63	0.47	3RD TSP -0.10
17	8	04/93 RFO	Bobbin	NQI		0.99	10TH TSP +9.17
		04/93 RFO	C/L Special Int	VOL		0.72	10TH TSP +8.79
17	10	04/93 RFO	Bobbin	NQI		0.84	11TH TSP +14.97
		04/93 RFO	C/L Special Int	VOL		0.53	11TH TSP +14.33
17	13	04/93 RFO	Bobbin	NQI		0.55	17TH TSP -0.05
17	21	04/93 RFO	C/L Special Int	VOL		0.48	9TH TSP +25.92
17	32	04/93 RFO	H/L Tubesheet	SAI		0.22	TTS-HL -3.66
17	34	04/93 RFO	Bobbin	WAR	12	2.46	16TH TSP -0.40
		04/93 RFO	C/L Special Int	VOL		0.35	16TH TSP -0.73
17	55	04/93 RFO	Bobbin	IDI	40	1.69	TE-HL +12.36
17	61	04/93 RFO	Bobbin	IDI	40	4.26	TE-HL +11.84
		04/93 RFO	H/L Special Int	MAI		3.58	TE-HL +11.84

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS

RFPOR

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
17	72	04/93 RFO	Bobbin	NQI		0.85	9TH TSP	+27.19
		04/93 RFO	C/L Special Int	VOL		0.44	9TH TSP	+27.50
17	75	04/93 RFO	H/L Tubesheet	SAI		0.43	TTS-HL	+0.01
18	11	04/93 RFO	C/L Special Int	NQI		0.98	13TH TSP	+1.18
		04/93 RFO	C/L Special Int	NQI		2.00	13TH TSP	-2.61
18	27	04/93 RFO	Bobbin	NQI		0.52	17TH TSP	+0.00
18	77	04/93 RFO	Bobbin	ADS		7.18	10TH TSP	+17.77
		04/93 RFO	C/L Special Int	VOL		0.71	10TH TSP	+17.37
18	78	04/93 RFO	C/L Special Int	VOL		0.27	10TH TSP	+32.29
18	88	04/93 RFO	Bobbin	ADS		1.11	17TH TSP	+15.94
		04/93 RFO	C/L Special Int	VOL		0.45	16TH TSP	-6.13
19	46	04/93 RFO	Bobbin	NQI		0.46	10TH TSP	+18.16
		04/93 RFO	Bobbin	NQI		0.69	10TH TSP	+16.07
		04/93 RFO	C/L Special Int	VOL		1.73	10TH TSP	+18.16
		04/93 RFO	C/L Special Int	VOL		3.17	10TH TSP	+16.00
19	87	04/93 RFO	H/L Tubesheet	MAI		0.23	TTS-HL	-0.27
19	95	04/93 RFO	Bobbin	ADS		8.15	10TH TSP	+14.26
		04/93 RFO	C/L Special Int	VOL		0.46	10TH TSP	+14.36
20	42	04/93 RFO	H/L Tubesheet	SCI		0.31	TTS-HL	+0.00
20	87	04/93 RFO	H/L Tubesheet	SAI		0.25	TTS-HL	+0.00
21	7	04/93 RFO	C/L Special Int	VOL		0.29	11TH TSP	-3.25
21	65	04/93 RFO	C/L Special Int	VOL		0.23	17TH TSP	+6.28
22	9	04/93 RFO	C/L Special Int	VOL		0.36	20TH TSP	-5.48 to -2.61
22	18	04/93 RFO	Bobbin	ADS		4.53	2ND TSP	+19.75
		04/93 RFO	H/L Special Int	VOL		0.08	2ND TSP	+19.75
22	21	04/93 RFO	C/L Special Int	VOL		0.48	16TH TSP	+0.00
22	88	04/93 RFO	H/L Special Int	VOL		0.64	5TH TSP	+24.97
		04/93 RFO	H/L Special Int	VOL		0.65	5TH TSP	+16.80
22	94	04/93 RFO	C/L Special Int	VOL		0.30	19TH TSP	+3.14
		04/93 RFO	C/L Special Int	VOL		0.32	19TH TSP	+6.13
23	10	04/93 RFO	Bobbin	ADS		5.55	6TH TSP	+35.52
		04/93 RFO	H/L Special Int	VOL		0.22	6TH TSP	+35.52
23	15	04/93 RFO	C/L Special Int	VOL		0.40	17TH TSP	+4.36
23	54	04/93 RFO	C/L Special Int	VOL		3.36	TTS-CL	+5.39
		04/93 RFO	C/L Special Int	VOL		4.24	TTS-CL	+9.79
23	67	04/93 RFO	Bobbin	ADS		3.41	6TH TSP	+18.44
24	79	04/93 RFO	H/L Tubesheet	VOL		0.60	TTS-HL	+2.80
24	91	04/93 RFO	C/L Special Int	VOL		0.43	9TH TSP	+19.15
25	7	04/93 RFO	Bobbin	IDI	40	3.23	TE-HL	+10.73
25	37	04/93 RFO	C/L Special Int	VOL		0.55	TTS-CL	+20.90
25	44	04/93 RFO	C/L Special Int	VOL		1.84	10TH TSP	-13.03
26	14	04/93 RFO	C/L Special Int	VOL		0.40	20TH TSP	-14.80
26	69	04/93 RFO	Bobbin	ADS		5.65	2'ID TSP	+21.32
27	31	04/93 RFO	Bobbin	WAR	19	1.45	3AVB	+0.00
27	32	04/93 RFO	Bobbin	WAR	17	1.26	4AVB	+0.00
27	51	04/93 RFO	Bobbin	ADS		4.45	12TH TSP	+17.59
		04/93 RFO	C/L Special Int	VOL		1.96	12TH TSP	+17.67
27	56	04/93 RFO	Bobbin	ADS		8.78	17TH TSP	+10.21
		04/93 RFO	C/L Special Int	VOL		2.47	17TH TSP	+10.19
27	58	04/93 RFO	C/L Special Int	VOL		0.59	12TH TSP	+15.12
28	31	04/93 RFO	C/L Special Int	VOL		0.30	11TH TSP	+19.02
29	77	04/93 RFO	C/L Special Int	VOL		0.16	17TH TSP	+19.33
30	58	04/93 RFO	C/L Special Int	VOL		1.10	10TH TSP	-6.85
30	75	04/93 RFO	C/L Special Int	VOL		0.64	9TH TSP	+7.94
30	102	04/93 RFO	C/L Special Int	VOL		0.18	18TH TSP	+5.36
30	105	04/93 RFO	U-Bend	VOL		0.34	2AVB	-0.15
		04/93 RFO	U-Bend	VOL		0.43	3AVB	+0.17
		04/93 RFO	Bobbin	ODI	21	1.39	3AVB	+0.00
31	32	04/93 RFO	C/L Special Int	VOL		0.93	10TH TSP	-1.53
31	33	04/93 RFO	Bobbin	ADS		6.05	1ST TSP	+13.18
31	38	04/93 RFO	Bobbin	WAR	9	0.46	2AVB	+0.00
31	41	04/93 RFO	Bobbin	ADS		5.96	11TH TSP	+35.48
31	50	04/93 RFO	Bobbin	WAR	16	0.89	1AVB	+0.00
31	67	04/93 RFO	Bobbin	WAR	16	0.99	3AVB	+0.00
31	78	04/93 RFO	H/L Tubesheet	SAI		2.27	TTS-HL	+0.00

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS
REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION	
32	56	04/93 RFO	C/L Special Int	VOL		2.07	10TH TSP	+25.69
		04/93 RFO	C/L Special Int	VOL		2.57	10TH TSP	+28.42
32	74	04/93 RFO	C/L Special Int	VOL		0.18	17TH TSP	+7.08
		04/93 RFO	C/L Special Int	VOL		0.53	17TH TSP	+9.28
33	33	04/93 RFO	Bobbin	WAR	26	1.86	3AVB	+0.00
33	46	04/93 RFO	Bobbin	WAR	16	0.89	2AVB	+0.00
33	97	04/93 RFO	C/L Special Int	VOL		0.13	TTS-CL	+1.59
33	101	04/93 RFO	H/L Tubesheet	SAT		0.29	TTS-HL	+0.06
33	102	04/93 RFO	Bobbin	WAR	15	0.89	3AVB	+0.00
		04/93 RFO	Bobbin	WAR	16	0.95	2AVB	+0.00
34	13	04/93 RFO	C/L Special Int	VOL		0.73	9TH TSP	+22.37
34	101	04/93 RFO	Bobbin	WAR	11	0.64	3AVB	+0.00
		04/93 RFO	Bobbin	WAR	16	0.96	2AVB	+0.00
35	19	04/93 RFO	Bobbin	WAR	16	1.43	2AVB	+0.00
35	29	04/93 RFO	Bobbin	WAR	13	1.12	2AVB	+0.00
35	46	04/93 RFO	Bobbin	WAR	20	1.24	1AVB	+0.00
35	48	04/93 RFO	Bobbin	WAR	18	1.03	1AVB	+0.00
35	53	04/93 RFO	Bobbin	WAR	22	1.39	1AVB	+0.00
35	56	04/93 RFO	Bobbin	WAR	22	1.36	1AVB	+0.00
35	88	04/93 RFO	H/L Tubesheet	SAT		0.30	TTS-HL	+0.12
36	55	04/93 RFO	Bobbin	WAR	15	0.99	1AVB	+0.00
36	100	04/93 RFO	Bobbin	WAR	16	1.15	3AVB	+0.00
37	75	04/93 RFO	C/L Special Int	VOL		0.32	13TH TSP	+4.16
37	99	04/93 RFO	C/L Special Int	VOL		0.25	10TH TSP	-7.49
38	25	04/93 RFO	Bobbin	WAR	11	0.56	3AVB	+0.00
38	31	04/93 RFO	Bobbin	WAR	19	1.16	4AVB	+0.00
		04/93 RFO	Bobbin	WAR	31	2.47	3AVB	+0.00
38	51	04/93 RFO	Bobbin	WAR	16	0.90	2AVB	+0.00
38	67	04/93 RFO	C/L Special Int	VOL		0.34	10TH TSP	+23.46
39	28	04/93 RFO	Bobbin	WAR	8	2.61	3AVB	+0.00
39	29	04/93 RFO	Bobbin	WAR	29	2.19	2AVB	+0.00
39	30	04/93 RFO	Bobbin	WAR	12	0.61	2AVB	+0.00
		04/93 RFO	Bobbin	WAR	17	1.01	3AVB	+0.00
39	32	04/93 RFO	Bobbin	WAR	19	1.16	2AVB	+0.00
39	39	04/93 RFO	Bobbin	WAR	16	0.90	3AVB	+0.00
39	50	04/93 RFO	Bobbin	WAR	23	1.48	1AVB	+0.00
39	52	04/93 RFO	Bobbin	WAR	18	1.06	1AVB	+0.00
39	82	04/93 RFO	Bobbin	WAR	19	1.65	2AVB	+0.00
39	84	04/93 RFO	Bobbin	ADS		5.88	6TH TSP	+22.63
		04/93 RFO	H/L Special Int	VOL		0.68	6TH TSP	+21.63
40	20	04/93 RFO	Bobbin	WAR	12	0.63	2AVB	+0.00
40	25	04/93 RFO	Bobbin	WAR	13	0.70	1AVB	+0.00
40	28	04/93 RFO	Bobbin	WAR	10	0.60	2AVB	+0.00
40	33	04/93 RFO	Bobbin	WAR	14	0.91	2AVB	+0.00
40	39	04/93 RFO	Bobbin	WAR	16	1.04	2AVB	+0.00
40	41	04/93 RFO	Bobbin	WAR	31	2.90	2AVB	+0.00
40	42	04/93 RFO	Bobbin	WAR	16	1.08	3AVB	+0.00
		04/93 RFO	Bobbin	WAR	24	1.88	2AVB	+0.00
40	43	04/93 RFO	Bobbin	WAR	21	1.52	4AVB	+0.00
		04/93 RFO	Bobbin	WAR	25	1.93	2AVB	+0.00
		04/93 RFO	Bobbin	WAR	25	1.95	3AVB	+0.00
40	46	04/93 RFO	Bobbin	WAR	10	0.63	1AVB	+0.00
40	47	04/93 RFO	Bobbin	WAR	21	1.47	1AVB	+0.00
40	48	04/93 RFO	Bobbin	WAR	16	1.01	1AVB	+0.00
40	50	04/93 RFO	Bobbin	WAR	16	1.06	3AVB	+0.00
40	61	04/93 RFO	Bobbin	WAR	23	6.19	2AVB	+0.00
40	64	04/93 RFO	Bobbin	WAR	13	0.91	1AVB	+0.00
40	82	04/93 RFO	Bobbin	WAR	8	0.66	2AVB	+0.00
40	83	04/93 RFO	Bobbin	WAR	18	1.40	2AVB	+0.00
41	24	04/93 RFO	Bobbin	WAR	23	1.76	2AVB	+0.00
41	39	04/93 RFO	Bobbin	WAR	25	1.93	2AVB	+0.00
41	52	04/93 RFO	C/L Special Int	VOL		2.59	9TH TSP	+29.09
41	55	04/93 RFO	Bobbin	WAR	15	0.99	2AVB	+0.00
41	62	04/93 RFO	C/L Special Int	VOL		0.29	9TH TSP	-12.13
42	54	04/93 RFO	Bobbin	ADS		4.04	6TH TSP	+22.69

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
42	55	04/93 RFO	C/L Special Int	VOL		0.25	11TH TSP	+23.44
42	92	04/93 RFO	Bobbin	NQI		1.68	4TH TSP	+13.43
		04/93 RFO	H/L Special Int	VOL		0.53	4TH TSP	+13.91
42	93	04/93 RFO	H/L Tubesheet	VOL		0.29	TTS-HL	+0.80
42	94	04/93 RFO	H/L Tubesheet	VOL		0.14	TTS-HL	+0.24
43	22	04/93 RFO	Bobbin	WAR	10	0.58	1AVB	+0.00
43	33	04/93 RFO	Bobbin	WAR	16	1.08	2AVB	+0.00
		04/93 RFO	Bobbin	WAR	24	1.83	3AVB	+0.00
43	47	04/93 RFO	Bobbin	WAR	19	1.30	1AVB	+0.00
43	48	04/93 RFO	Bobbin	WAR	14	0.91	1AVB	+0.00
43	50	04/93 RFO	Bobbin	WAR	15	0.96	1AVB	+0.00
43	53	04/93 RFO	Bobbin	WAR	19	1.30	1AVB	+0.00
43	54	04/93 RFO	Bobbin	WAR	13	0.79	1AVB	+0.00
43	55	04/93 RFO	Bobbin	WAR	13	0.82	1AVB	+0.00
43	56	04/93 RFO	Bobbin	WAR	26	2.10	1AVB	+0.00
		04/93 RFO	Bobbin	ADS		8.08	4TH TSP	+12.20
		04/93 RFO	H/L Special Int	VOL		0.66	4TH TSP	+12.40
43	61	04/93 RFO	H/L Tubesheet	VOL		0.41	TTS-HL	-1.94
44	32	04/93 RFO	C/L Special Int	VOL		0.33	12TH TSP	+17.90
44	42	04/93 RFO	C/L Special Int	VOL		0.20	10TH TSP	-5.95
44	45	04/93 RFO	Bobbin	ADS		3.63	3RD TSP	+7.24
44	59	04/93 RFO	Bobbin	ODI	25	0.93	11TH TSP	+18.11
44	60	04/93 RFO	Bobbin	ADS		3.87	TTS-HL	+10.06
		04/93 RFO	H/L Special Int	VOL		0.13	TTS-HL	+10.06
44	66	04/93 RFO	C/L Special Int	VOL		0.31	9TH TSP	-2.87
		04/93 RFO	C/L Special Int	VOL		0.34	9TH TSP	-6.84
		04/93 RFO	C/L Special Int	VOL		0.40	9TH TSP	-4.73
		04/93 RFO	C/L Special Int	VOL		0.67	9TH TSP	-9.18
44	92	04/93 RFO	H/L Tubesheet	SCI		0.36	TTS-HL	-0.10
45	40	04/93 RFO	Bobbin	ADS		2.27	5TH TSP	+26.87
47	65	04/93 RFO	C/L Special Int	VOL		0.28	16TH TSP	-1.35
		04/93 RFO	C/L Special Int	VOL		0.40	10TH TSP	+5.33
48	41	04/93 RFO	C/L Special Int	VOL		0.24	17TH TSP	+13.66
48	55	04/93 RFO	C/L Special Int	VOL		1.53	11TH TSP	+11.80
48	60	04/93 RFO	Bobbin	ADS		3.45	6TH TSP	+14.08
		04/93 RFO	H/L Special Int	VOL		0.34	6TH TSP	+14.08
48	66	04/93 RFO	C/L Special Int	VOL		0.20	10TH TSP	-4.38
48	78	04/93 RFO	C/L Special Int	VOL		0.55	10TH TSP	+4.62
48	79	04/93 RFO	H/L Tubesheet	SAI		0.47	TTS-HL	+0.04
		04/93 RFO	C/L Special Int	VOL		0.37	14TH TSP	+10.25
48	84	04/93 RFO	H/L Tubesheet	SAI		0.28	TTS-HL	+0.08
49	34	04/93 RFO	C/L Special Int	VOL		0.18	TTS-CL	+25.06
49	39	04/93 RFO	Bobbin	ODI	1	3.97	16TH TSP	+0.51
		04/93 RFO	C/L Special Int	VOL		0.40	16TH TSP	+0.14
		04/93 RFO	C/L Special Int	VOL		0.45	17TH TSP	+0.23
49	41	04/93 RFO	Bobbin	WAR	15	3.76	14TH TSP	+0.00
		04/93 RFO	Bobbin	WAR	17	4.21	17TH TSP	+0.00
		04/93 RFO	Bobbin	WAR	24	6.61	16TH TSP	+0.00
		04/93 RFO	C/L Special Int	VOL		0.86	16TH TSP	+0.05
		04/93 RFO	C/L Special Int	VOL		1.08	17TH TSP	+0.17
49	45	04/93 RFO	C/L Special Int	VOL		3.87	10TH TSP	+14.73
49	50	04/93 RFO	Bobbin	ODI	20	2.40	14TH TSP	+11.50
49	58	04/93 RFO	H/L Tubesheet	VOL		0.23	TTS-HL	+0.32
		04/93 RFO	H/L Tubesheet	VOL		0.25	TTS-HL	+0.65
49	59	04/93 RFO	Bobbin	ODI	25	3.40	14TH TSP	+11.26
		04/93 RFO	C/L Special Int	VOL		0.44	11TH TSP	+18.87
49	62	04/93 RFO	Bobbin	ODI	11	1.48	14TH TSP	+11.34
49	66	04/93 RFO	Bobbin	ADS		4.43	3RD TSP	+9.76
		04/93 RFO	H/L Special Int	VOL		0.44	3RD TSP	+9.76
49	69	04/93 RFO	C/L Special Int	VOL		0.17	TTS-CL	+6.57
		04/93 RFO	C/L Special Int	VOL		0.22	TTS-CL	+4.84
49	70	04/93 RFO	Bobbin	ODI	2	2.19	12TH TSP	+1.14
49	72	04/93 RFO	Bobbin	ADS		2.82	6TH TSP	+41.98
		04/93 RFO	H/L Special Int	VOL		0.22	6TH TSP	+41.98
49	74	04/93 RFO	Bobbin	WAR	12	2.95	14TH TSP	+0.00

S/G C - ATTACHMENT #3 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/93 RFO	Bobbin	WAR	30	8.12	16TH TSP	+0.00
		04/93 RFO	C/L Special Int	VOL		0.43	14TH TSP	+0.00
		04/93 RFO	C/L Special Int	VOL		0.60	16TH TSP	+0.00
49	76	04/93 RFO	Bobbin	WAR	4	0.97	16TH TSP	+0.30
		04/93 RFO	C/L Special Int	VOL		0.41	16TH TSP	+0.00
49	79	04/93 RFO	Bobbin	WAR	18	3.93	16TH TSP	+0.00
		04/93 RFO	C/L Special Int	VOL		0.86	16TH TSP	+0.00
49	81	04/93 RFO	C/L Special Int	VOL		0.54	16TH TSP	+0.00

Total Indications Found = 333

Total Tubes Found = 246

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
2	35	04/93 RFO	H/L Tubesheet	SAI		0.28	TTS-HL -1.91
		04/93 RFO	H/L Tubesheet	SAI		0.72	TTS-HL -4.25
2	38	04/93 RFO	Bobbin	IDI	40	2.00	TE-HL +17.71
		04/93 RFO	H/L Tubesheet	MAI		1.60	TTS-HL -2.11
		04/93 RFO	H/L Special Int	MAI		1.91	TTS-HL -3.59
2	39	04/93 RFO	Bobbin	IDI	40	3.30	TE-HL +10.54
		04/93 RFO	H/L Special Int	MAI		1.80	TTS-HL -10.71
2	48	04/93 RFO	Bobbin	ADS		11.11	3RD TSP +19.36
		04/93 RFO	H/L Special Int	VOL		0.48	3RD TSP +21.67
		04/93 RFO	H/L Special Int	VOL		0.65	3RD TSP +3.20
		04/93 RFO	H/L Special Int	VOL		1.10	3RD TSP +6.07
		04/93 RFO	H/L Special Int	VOL		1.17	3RD TSP +16.08
		04/93 RFO	H/L Special Int	VOL		1.23	3RD TSP +18.61
2	58	04/93 RFO	C/L Special Int	VOL		0.27	20TH TSP +4.06
2	61	04/93 RFO	Bobbin	IDI	40	1.85	TE-HL +13.51
		04/93 RFO	Bobbin	ODI	95	7.86	TE-HL +8.41
		04/93 RFO	H/L Special Int	MAI		1.99	TTS-HL -12.67
		04/93 RFO	H/L Special Int	SAI		0.90	TTS-HL -7.38
2	63	04/93 RFO	H/L Tubesheet	SAI		0.36	TTS-HL +0.03
2	70	04/93 RFO	Bobbin	ADS		8.16	TTS-HL +22.87
		04/93 RFO	H/L Special Int	VOL		0.41	TTS-HL +22.76
2	76	04/93 RFO	Bobbin	IDI	40	3.37	TE-HL +15.43
		04/93 RFO	H/L Special Int	MAI		1.87	TTS-HL -6.50
2	79	04/93 RFO	H/L Tubesheet	MAI		0.48	TTS-HL -1.73
2	89	04/93 RFO	Bobbin	IDI	40	4.46	TE-HL +18.50
		04/93 RFO	H/L Tubesheet	MAI		2.98	TTS-HL -3.03
		04/93 RFO	H/L Special Int	MAI		2.88	TTS-HL -2.90
2	114	04/93 RFO	Bobbin	NQI		3.55	1ST TSP +0.00
3	27	04/93 RFO	Bobbin	IDI	40	2.29	TE-HL +17.60
		04/93 RFO	H/L Tubesheet	SAI		1.36	TTS-HL -3.92
		04/93 RFO	H/L Special Int	SAI		1.23	TTS-HL -3.80
3	36	04/93 RFO	Bobbin	IDI	40	3.34	TE-HL +16.22
		04/93 RFO	H/L Tubesheet	SAI		1.32	TTS-HL -4.68
		04/93 RFO	H/L Special Int	SAI		0.90	TTS-HL -4.51
3	40	04/93 RFO	H/L Tubesheet	MAI		0.67	TTS-HL -4.99
3	46	04/93 RFO	C/L Special Int	VOL		0.50	11TH TSP +8.26
3	50	04/93 RFO	H/L Tubesheet	SAI		0.26	TTS-HL -0.85
3	75	04/93 RFO	H/L Tubesheet	MAI		0.79	TTS-HL -4.00
3	76	04/93 RFO	Bobbin	IDI	40	2.53	TE-HL +18.43
		04/93 RFO	H/L Tubesheet	MAI		1.56	TTS-HL -2.77
		04/93 RFO	H/L Special Int	SAI		1.74	TTS-HL -2.66
3	78	04/93 RFO	Bobbin	IDI	40	2.94	TE-HL +16.56
		04/93 RFO	H/L Tubesheet	MAI		1.68	TTS-HL -4.58
		04/93 RFO	H/L Special Int	MAI		1.56	TTS-HL -4.89
3	80	04/93 RFO	H/L Tubesheet	MAI		3.28	TTS-HL -3.80
3	83	04/93 RFO	H/L Tubesheet	SAI		0.41	TTS-HL -3.09
3	91	04/93 RFO	H/L Tubesheet	SAI		0.47	TTS-HL -4.98
3	110	04/93 RFO	Bobbin	IDI	40	2.91	TE-HL +7.73
3	111	04/93 RFO	Bobbin	NQI		1.00	1ST TSP -0.04
3	112	04/93 RFO	Bobbin	NQI		1.43	1ST TSP -0.07
3	113	04/93 RFO	Bobbin	NQI		0.79	2ND TSP +0.02
		04/93 RFO	Bobbin	NQI		2.97	1ST TSP +0.00
3	114	04/93 RFO	Bobbin	NQI		2.43	1ST TSP +0.00
4	7	04/93 RFO	H/L Tubesheet	VOL		0.15	TTS-HL +3.48
		04/93 RFO	H/L Tubesheet	VOL		0.20	TTS-HL +1.84
4	35	04/93 RFO	C/L Special Int	VOL		0.44	11TH TSP +25.21
4	37	04/93 RFO	H/L Tubesheet	VOL		0.75	TTS-HL -0.13
4	41	04/93 RFO	Bobbin	IDI	40	5.53	TE-HL +7.98
		04/93 RFO	H/L Special Int	MAI		0.93	TE-HL +8.31
4	55	04/93 RFO	Bobbin	ADS		6.09	4TH TSP +38.85
4	71	04/93 RFO	Bobbin	ODI	8	2.73	6TH TSP +26.69
		04/93 RFO	Bobbin	ODI	25	1.39	6TH TSP +23.02
		04/93 RFO	H/L Special Int	VOL		0.17	6TH TSP +25.99
		04/93 RFO	H/L Special Int	VOL		0.26	6TH TSP +19.37
		04/93 RFO	H/L Special Int	VOL		0.28	6TH TSP +10.87

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS
 REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/93 RFO	H/L Special Int	VOL		0.28	6TH TSP	+13.05
		04/93 RFO	H/L Special Int	VOL		0.36	6TH TSP	+26.69
4	84	04/93 RFO	Bobbin	IDI	40	7.58	TE-HL	+10.08
		04/93 RFO	H/L Special Int	MAI		1.27	TTS-HL	-12.65
4	97	04/93 RFO	H/L Tubesheet	SAI		0.51	TTS-HL	-4.25
5	4	04/93 RFO	Bobbin	IDI	40	11.19	TE-HL	+15.15
		04/93 RFO	H/L Special Int	MAI		1.97	TTS-HL	-6.34
5	7	04/93 RFO	Bobbin	IDI	40	3.11	TE-HL	+11.65
		04/93 RFO	H/L Special Int	MAI		1.46	TTS-HL	-9.94
5	12	04/93 RFO	Bobbin	NQI		7.02	7TH TSP	+15.92
5	14	04/93 RFO	Bobbin	NQI		5.44	7TH TSP	+15.18
5	15	04/93 RFO	Bobbin	NQI		6.10	7TH TSP	+10.22
5	30	04/93 RFO	H/L Tubesheet	SAI		0.13	TTS-HL	-0.15
5	31	04/93 RFO	Bobbin	IDI	40	3.67	TE-HL	+13.72
		04/93 RFO	H/L Special Int	MAI		1.35	TTS-HL	-7.70
5	41	04/93 RFO	H/L Tubesheet	SAI		0.25	TTS-HL	+0.06
5	45	04/93 RFO	H/L Tubesheet	SAI		0.24	TTS-HL	-0.09
5	48	04/93 RFO	H/L Tubesheet	SAI		0.15	TTS-HL	+0.06
5	56	04/93 RFO	Bobbin	IDI	40	3.42	TE-HL	+5.34
5	62	04/93 RFO	Bobbin	NQI		0.26	7TH TSP	-0.04
5	67	04/93 RFO	Bobbin	IDI	42	2.64	TE-HL	+13.26
		04/93 RFO	H/L Special Int	MAI		1.08	TTS-HL	-7.98
5	68	04/93 RFO	Bobbin	IDI	79	8.88	TE-HL	+10.23
		04/93 RFO	H/L Special Int	MAI		0.85	TTS-HL	-13.01
5	73	04/93 RFO	H/L Tubesheet	VOL		0.18	TTS-HL	-2.61
5	79	04/93 RFO	H/L Tubesheet	SAI		0.43	TTS-HL	-1.03
5	81	04/93 RFO	C/L Special Int	VOL		0.46	TTS-CL	+9.77
5	82	04/93 RFO	C/L Special Int	VOL		0.42	16TH TSP	-1.14
5	86	04/93 RFO	Bobbin	NQI		0.47	11TH TSP	+40.42
5	94	04/93 RFO	Bobbin	ADS		4.97	5TH TSP	+38.62
5	95	04/93 RFO	H/L Tubesheet	VOL		0.21	TTS-HL	-2.58
5	98	04/93 RFO	Bobbin	NQI		0.22	1ST TSP	+0.02
		04/93 RFO	H/L Special Int	SAI		0.13	1ST TSP	+0.02
5	110	04/93 RFO	Bobbin	ODI	8	1.45	TTS-HL	+4.25
6	1	04/93 RFO	H/L Tubesheet	SAI		0.26	TTS-HL	+0.00
6	24	04/93 RFO	Bobbin	ADS		3.84	13TH TSP	+4.35
		04/93 RFO	C/L Special Int	VOL		0.26	13TH TSP	+3.76
6	33	04/93 RFO	H/L Tubesheet	SAI		0.55	TTS-HL	-5.23
6	35	04/93 RFO	Bobbin	IDI	40	8.14	TE-HL	+8.40
		04/93 RFO	H/L Tubesheet	SAI		0.76	TTS-HL	-2.92
		04/93 RFO	H/L Special Int	MAI		0.71	TE-HL	+8.42
		04/93 RFO	H/L Special Int	MAI		1.14	TE-HL	+2.43
6	54	04/93 RFO	Bobbin	NQI		0.67	12TH TSP	+9.61
6	57	04/93 RFO	C/L Special Int	VOL		0.34	9TH TSP	+4.87
6	65	04/93 RFO	C/L Special Int	VOL		0.52	9TH TSP	+9.38
6	67	04/93 RFO	Bobbin	IDI	40	2.35	TE-HL	+18.20
		04/93 RFO	H/L Special Int	MAI		1.06	TTS-HL	-2.12
6	68	04/93 RFO	Bobbin	IDI	40	8.72	TE-HL	+17.30
		04/93 RFO	H/L Tubesheet	MAI		2.58	TTS-HL	-3.97
		04/93 RFO	H/L Special Int	MAI		3.04	TTS-HL	-4.79
6	71	04/93 RFO	Bobbin	IDI	40	6.75	TE-HL	+16.34
		04/93 RFO	H/L Special Int	MAI		4.21	TTS-HL	-5.64
6	89	04/93 RFO	Bobbin	ADS		3.72	2ND TSP	+11.69
6	109	04/93 RFO	Bobbin	NQI		0.17	1ST TSP	-0.05
7	35	04/93 RFO	H/L Tubesheet	SAI		0.90	TTS-HL	-4.28
7	47	04/93 RFO	Bobbin	ADS		2.73	TTS-HL	+6.33
		04/93 RFO	H/L Special Int	VOL		0.19	TTS-HL	+9.88
		04/93 RFO	H/L Special Int	VOL		0.28	TTS-HL	+5.83
7	54	04/93 RFO	C/L Special Int	VOL		0.41	TTS-CL	+3.59
7	61	04/93 RFO	H/L Tubesheet	SAI		0.69	TTS-HL	-2.59
7	87	04/93 RFO	Bobbin	IDI	40	4.29	TE-HL	+9.47
		04/93 RFO	H/L Special Int	MAI		1.17	TE-HL	+8.69
7	91	04/93 RFO	H/L Tubesheet	MAI		1.37	TTS-HL	-3.92
8	20	04/93 RFO	C/L Special Int	VOL		0.76	11TH TSP	+18.78
8	24	04/93 RFO	H/L Tubesheet	SAI		0.28	TTS-HL	-4.20

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
8	63	04/93 RFO	Bobbin	IDI	40	5.56	TE-HL	+15.66
		04/93 RFO	H/L Special Int	MAI		1.70	TTS-HL	-4.85
8	74	04/93 RFO	Bobbin	IDI	40	14.29	TE-HL	+6.20
		04/93 RFO	H/L Special Int	MAI		1.47	TTS-HL	-15.00
8	75	04/93 RFO	H/L Tubesheet	SAI		0.69	TTS-HL	-3.09
8	83	04/93 RFO	Bobbin	IDI	40	5.92	TE-HL	+13.50
		04/93 RFO	H/L Special Int	MAI		0.29	TTS-HL	-3.92
		04/93 RFO	H/L Special Int	MAI		1.31	TTS-HL	-7.70
8	99	04/93 RFO	Bobbin	ADS		5.73	3RD TSP	+10.39
		04/93 RFO	H/L Special Int	VOL		0.23	3RD TSP	+9.08
8	101	04/93 RFO	C/L Special Int	VOL		0.23	16TH TSP	+8.61
8	102	04/93 RFO	Bobbin	IDI	40	4.59	TE-HL	+16.62
		04/93 RFO	H/L Tubesheet	MAI		1.85	TTS-HL	-4.59
		04/93 RFO	H/L Special Int	MAI		1.31	TTS-HL	-4.32
8	104	04/93 RFO	C/L Special Int	VOL		0.35	11TH TSP	+17.36
9	5	04/93 RFO	Bobbin	ODI	86	10.52	TE-HL	+14.46
		04/93 RFO	H/L Special Int	MAI		3.50	TTS-HL	-6.91
9	11	04/93 RFO	Bobbin	NGI		0.81	2ND TSP	+0.08
		04/93 RFO	H/L Special Int	SAI		0.19	2ND TSP	+0.13
9	15	04/93 RFO	C/L Special Int	MAI		1.11	TE-CL	+15.12
9	24	04/93 RFO	H/L Tubesheet	SAI		1.30	TTS-HL	-4.00
9	41	04/93 RFO	C/L Special Int	VOL		1.02	11TH TSP	+43.06
9	59	04/93 RFO	U-Bend	NGI		0.18	7TH TSP	+9.95
9	62	04/93 RFO	H/L Tubesheet	MAI		0.83	TTS-HL	-0.68
9	71	04/93 RFO	Bobbin	IDI	88	3.14	TE-HL	+17.43
		04/93 RFO	H/L Tubesheet	MAI		0.98	TTS-HL	-3.32
		04/93 RFO	H/L Special Int	MAI		0.96	TTS-HL	-4.27
9	77	04/93 RFO	Bobbin	IDI	40	4.01	TE-HL	+8.10
		04/93 RFO	H/L Tubesheet	SAI		1.00	TTS-HL	-2.96
		04/93 RFO	H/L Special Int	MAI		1.30	TTS-HL	-3.39
		04/93 RFO	H/L Special Int	SAI		1.59	TTS-HL	-16.28
9	81	04/93 RFO	Bobbin	IDI	40	6.39	TE-HL	+16.20
		04/93 RFO	Bobbin	IDI	40	8.55	TE-HL	+6.86
		04/93 RFO	H/L Tubesheet	SAI		3.00	TTS-HL	-4.28
		04/93 RFO	H/L Special Int	MAI		2.95	TE-HL	+6.57
		04/93 RFO	H/L Special Int	SAI		3.60	TE-HL	+16.28
9	35	04/93 RFO	Bobbin	IDI	40	6.70	TE-HL	+10.37
		04/93 RFO	H/L Special Int	MAI		1.20	TTS-HL	-11.56
9	98	04/93 RFO	Bobbin	IDI	40	2.93	TE-HL	+15.26
10	10	04/93 RFO	C/L Special Int	VOL		0.33	13TH TSP	+7.66
10	85	04/93 RFO	Bobbin	IDI	40	20.02	TE-HL	+11.41
		04/93 RFO	H/L Special Int	MAI		0.52	TTS-HL	-11.03
10	87	04/93 RFO	Bobbin	IDI	40	4.52	TE-HL	+14.57
		04/93 RFO	H/L Special Int	MAI		1.31	TTS-HL	-7.52
10	88	04/93 RFO	Bobbin	IDI	40	1.60	TE-HL	+12.89
		04/93 RFO	H/L Special Int	MAI		1.94	TTS-HL	-8.89
11	12	04/93 RFO	C/L Special Int	VOL		0.37	12TH TSP	+11.20
11	13	04/93 RFO	C/L Special Int	MAI		1.27	TE-CL	+16.84
11	33	04/93 RFO	C/L Special Int	VOL		0.34	16TH TSP	+6.22
11	36	04/93 RFO	C/L Special Int	VOL		0.19	14TH TSP	-2.53
		04/93 RFO	C/L Special Int	VOL		0.23	14TH TSP	-0.57
11	72	04/93 RFO	Bobbin	IDI	40	9.53	TE-HL	+13.61
		04/93 RFO	H/L Special Int	MAI		3.68	TTS-HL	-8.31
11	84	04/93 RFO	Bobbin	IDI	40	4.63	TE-HL	+5.55
		04/93 RFO	Bobbin	IDI	40	16.07	TE-HL	+13.66
		04/93 RFO	Bobbin	IDI	40	24.98	TE-HL	+10.58
		04/93 RFO	H/L Special Int	MAI		3.65	TE-HL	+13.66
		04/93 RFO	H/L Special Int	MAI		5.17	TE-HL	+10.58
		04/93 RFO	H/L Special Int	SAI		4.78	TE-HL	+5.55
11	85	04/93 RFO	Bobbin	IDI	40	21.01	TE-HL	+9.46
		04/93 RFO	H/L Special Int	MAI		2.21	TTS-HL	-14.82
11	96	04/93 RFO	Bobbin	IDI	40	7.20	TE-HL	+17.10
		04/93 RFO	H/L Tubesheet	SAI		3.73	TTS-HL	-3.89
		04/93 RFO	H/L Special Int	SAI		3.79	TTS-HL	-3.61
11	99	04/93 RFO	Bobbin	ADS		5.49	3RD TSP	+9.87

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
11	103	04/93 RFO	Bobbin	IDI	40	4.25	TE-HL	+14.27
		04/93 RFO	H/L Special Int	SAI		2.45	TTS-HL	-7.94
12	28	04/93 RFO	C/L Special Int	VOL		0.26	10TH TSP	+5.92
12	30	04/93 RFO	H/L Tubesheet	MAI		1.30	TTS-HL	-4.37
12	65	04/93 RFO	Bobbin	ADS		5.77	TTS-HL	+19.68
		04/93 RFO	Bobbin	ADS		8.45	9TH TSP	+22.04
		04/93 RFO	H/L Special Int	VOL		0.24	TTS-HL	-2.37
		04/93 RFO	C/L Special Int	VOL		0.58	9TH TSP	+22.04
12	66	04/93 RFO	Bobbin	ADS		2.22	3RD TSP	+34.32
		04/93 RFO	H/L Special Int	VOL		0.19	4TH TSP	-9.15
12	113	04/93 RFO	C/L Special Int	VOL		0.39	9TH TSP	+16.00
13	11	04/93 RFO	Bobbin	IDI	40	13.03	TE-HL	+13.30
		04/93 RFO	H/L Special Int	MAI		0.79	TE-HL	+12.41
		04/93 RFO	H/L Special Int	MAI		3.29	TE-HL	+13.71
		04/93 RFO	C/L Special Int	VOL		0.40	9TH TSP	+5.57
13	27	04/93 RFO	Bobbin	IDI	40	22.70	TE-HL	+16.09
		04/93 RFO	H/L Tubesheet	SAI		5.58	TTS-HL	-4.99
		04/93 RFO	H/L Special Int	SAI		5.24	TTS-HL	-5.11
13	57	04/93 RFO	Bobbin	ADS		6.16	13TH TSP	+7.53
		04/93 RFO	Bobbin	ODI	8	0.90	9TH TSP	+37.43
		04/93 RFO	Bobbin	ODI	5	1.38	13TH TSP	+8.70
		04/93 RFO	C/L Special Int	VOL		0.44	12TH TSP	-3.47
		04/93 RFO	C/L Special Int	VOL		0.66	12TH TSP	-2.30
13	65	04/93 RFO	Bobbin	IDI	40	14.63	TE-HL	+8.01
		04/93 RFO	H/L Special Int	MAI		0.51	TE-HL	+9.06
13	66	04/93 RFO	Bobbin	IDI	40	16.83	TE-HL	+12.96
		04/93 RFO	H/L Special Int	MAI		2.67	TTS-HL	-8.53
13	71	04/93 RFO	H/L Tubesheet	VOL		0.58	TTS-HL	+1.84
13	75	04/93 RFO	H/L Tubesheet	SAI		0.44	TTS-HL	+0.02
13	77	04/93 RFO	Bobbin	IDI	40	17.16	TE-HL	+14.80
		04/93 RFO	H/L Tubesheet	MAI		0.18	TTS-HL	+0.08
		04/93 RFO	H/L Special Int	MAI		4.68	TTS-HL	-6.84
13	83	04/93 RFO	Bobbin	IDI	40	9.39	TE-HL	+10.45
		04/93 RFO	H/L Special Int	MAI		1.28	TTS-HL	-11.42
13	87	04/93 RFO	H/L Tubesheet	MAI		0.55	TTS-HL	-4.32
13	89	04/93 RFO	Bobbin	IDI	40	7.66	TE-HL	+15.10
		04/93 RFO	H/L Special Int	MAI		3.57	TTS-HL	-6.45
14	48	04/93 RFO	Bobbin	IDI	40	4.99	TE-HL	+7.35
		04/93 RFO	H/L Special Int	MAI		1.96	TE-HL	+5.72
14	53	04/93 RFO	C/L Special Int	VOL		0.25	12TH TSP	+6.86
14	54	04/93 RFO	C/L Special Int	VOL		0.25	20TH TSP	+3.59
14	56	04/93 RFO	H/L Tubesheet	SAI		0.32	TTS-HL	+0.03
14	80	04/93 RFO	Bobbin	IDI	40	10.82	TE-HL	+9.33
		04/93 RFO	H/L Special Int	MAI		0.54	TTS-HL	-11.87
		04/93 RFO	H/L Tubesheet	MAI		0.38	TTS-HL	-4.61
15	6	04/93 RFO	H/L Tubesheet	VOL		0.41	TTS-HL	-0.01
15	22	04/93 RFO	Bobbin	ODI	3	2.44	TTS-HL	+17.68
		04/93 RFO	H/L Special Int	VOL		0.59	TTS-HL	+16.38
15	35	04/93 RFO	C/L Special Int	VOL		0.23	TTS-CL	+9.76
15	38	04/93 RFO	Bobbin	IDI	40	37.73	TE-HL	+15.60
		04/93 RFO	H/L Special Int	MAI		8.32	TTS-HL	-5.91
15	59	04/93 RFO	Bobbin	IDI	40	59.64	TE-HL	+17.49
		04/93 RFO	H/L Special Int	MAI		9.65	TTS-HL	-5.34
15	61	04/93 RFO	Bobbin	IDI	40	3.54	TE-HL	+12.37
		04/93 RFO	Bobbin	IDI	40	8.97	TE-HL	+9.39
		04/93 RFO	H/L Special Int	MAI		1.27	TTS-HL	-12.10
		04/93 RFO	H/L Special Int	MAI		2.52	TTS-HL	-8.11
15	62	04/93 RFO	Bobbin	ADS		3.50	6TH TSP	+28.49
15	64	04/93 RFO	H/L Tubesheet	MAI		1.39	TTS-HL	-3.98
15	85	04/93 RFO	Bobbin	IDI	40	13.17	TE-HL	+11.61
		04/93 RFO	H/L Special Int	MAI		1.55	TTS-HL	-11.10
15	91	04/93 RFO	Bobbin	NQI		0.38	2ND TSP	-0.02
15	108	04/93 RFO	C/L Special Int	VOL		0.39	12TH TSP	+7.56
16	11	04/93 RFO	Bobbin	IDI	40	52.59	TE-HL	+14.93
		04/93 RFO	H/L Tubesheet	MAI		7.07	TTS-HL	-6.50

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	MAI		7.31	TE-HL +14.93
		04/93 RFO	C/L Special Int	VOL		0.17	17TH TSP +14.33
16	13	04/93 RFO	Bobbin	IDI	40	36.87	TE-HL +12.90
		04/93 RFO	H/L Special Int	MAI		3.84	TE-HL +12.99
16	14	04/93 RFO	Bobbin	IDI	40	6.17	TE-HL +13.93
		04/93 RFO	H/L Tubesheet	SAI		1.29	TTS-HL -7.35
		04/93 RFO	H/L Special Int	SAI		0.54	TE-HL +8.67
		04/93 RFO	H/L Special Int	SAI		1.12	TE-HL +13.87
16	17	04/93 RFO	Bobbin	IDI	40	17.09	TE-HL +11.51
		04/93 RFO	H/L Special Int	MAI		5.68	TE-HL +11.06
16	21	04/93 RFO	Bobbin	IDI	40	23.11	TE-HL +17.48
		04/93 RFO	H/L Tubesheet	MAI		6.16	TTS-HL -4.01
		04/93 RFO	H/L Special Int	MAI		6.34	TE-HL +18.31
16	32	04/93 RFO	C/L Special Int	VOL		0.39	19TH TSP +4.03
16	33	04/93 RFO	Bobbin	ADS		7.31	6TH TSP +24.84
		04/93 RFO	H/L Special Int	VOL		0.50	7TH TSP -10.36
		04/93 RFO	H/L Special Int	VOL		0.62	7TH TSP -20.01
16	41	04/93 RFO	Bobbin	IDI	40	3.06	TE-HL +14.05
		04/93 RFO	H/L Special Int	SAI		1.72	TTS-HL -8.37
16	47	04/93 RFO	Bobbin	IDI	40	3.81	TE-HL +7.05
		04/93 RFO	H/L Special Int	MAI		1.04	TE-HL +5.81
16	63	04/93 RFO	C/L Special Int	VOL		0.20	12TH TSP +6.53
		04/93 RFO	C/L Special Int	VOL		0.21	12TH TSP +15.54
		04/93 RFO	C/L Special Int	VOL		1.00	12TH TSP +12.80
16	98	04/93 RFO	H/L Tubesheet	SAI		0.32	TTS-HL -2.09
17	12	04/93 RFO	Bobbin	IDI	40	5.36	TE-HL +17.57
		04/93 RFO	H/L Tubesheet	MAI		1.19	TTS-HL -3.89
		04/93 RFO	H/L Special Int	MAI		0.87	TE-HL +18.31
17	15	04/93 RFO	Bobbin	IDI	40	15.36	TE-HL +15.79
		04/93 RFO	H/L Special Int	MAI		5.19	TE-HL +15.90
17	24	04/93 RFO	Bobbin	IDI	40	7.31	TE-HL +13.38
		04/93 RFO	H/L Special Int	MAI		1.26	TE-HL +14.49
17	42	04/93 RFO	C/L Special Int	VOL		0.80	8TH TSP -2.84
17	81	04/93 RFO	H/L Tubesheet	SAI		0.88	TTS-HL -4.50
17	85	04/93 RFO	Bobbin	IDI	40	3.04	TE-HL +15.47
		04/93 RFO	H/L Special Int	MAI		1.38	TTS-HL -6.42
17	94	04/93 RFO	Bobbin	IDI	40	12.00	TE-HL +11.16
		04/93 RFO	H/L Special Int	MAI		0.76	TTS-HL -10.91
18	4	04/93 RFO	Bobbin	IDI	40	6.77	TE-HL +10.35
		04/93 RFO	H/L Special Int	MAI		1.04	TTS-HL -11.64
18	11	04/93 RFO	Bobbin	IDI	40	3.34	TE-HL +16.12
		04/93 RFO	H/L Special Int	SAI		1.22	TTS-HL -5.39
18	16	04/93 RFO	Bobbin	IDI	40	9.10	TE-HL +14.95
		04/93 RFO	H/L Special Int	SAI		3.83	TE-HL +14.95
18	34	04/93 RFO	Bobbin	IDI	40	15.86	TE-HL +13.04
		04/93 RFO	H/L Special Int	MAI		2.85	TTS-HL -9.89
18	38	04/93 RFO	C/L Special Int	VOL		0.65	11TH TSP -2.36
18	48	04/93 RFO	Bobbin	ADS		3.80	6TH TSP +16.72
		04/93 RFO	H/L Special Int	VOL		0.44	6TH TSP +16.27
18	89	04/93 RFO	Bobbin	IDI	40	3.83	TE-HL +12.36
		04/93 RFO	H/L Special Int	MAI		2.34	TE-HL +14.23
18	96	04/93 RFO	Bobbin	IDI	40	5.36	TE-HL +14.43
		04/93 RFO	H/L Special Int	MAI		0.56	TTS-HL -7.24
		04/93 RFO	H/L Special Int	SAI		0.64	TTS-HL -13.96
19	22	04/93 RFO	Bobbin	IDI	40	3.53	TE-HL +16.96
		04/93 RFO	H/L Tubesheet	MAI		4.37	TTS-HL -4.23
		04/93 RFO	H/L Special Int	MAI		1.54	TE-HL +18.37
19	36	04/93 RFO	Bobbin	ADS		10.14	6TH TSP +33.33
		04/93 RFO	H/L Special Int	VOL		1.00	7TH TSP -11.66
19	62	04/93 RFO	Bobbin	IDI	40	22.66	TE-HL +6.96
		04/93 RFO	Bobbin	IDI	40	27.18	TE-HL +13.19
		04/93 RFO	H/L Special Int	MAI		0.48	TTS-HL -7.37
		04/93 RFO	H/L Special Int	MAI		2.43	TTS-HL -13.65
19	86	04/93 RFO	Bobbin	ADS		10.50	11TH TSP +13.59
		04/93 RFO	C/L Special Int	VOL		0.76	11TH TSP +13.59

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
19	87	04/93 RFO	Bobbin	IDI	40	4.26	TE-HL	+12.45
		04/93 RFO	H/L Special Int	MAI		1.50	TTS-HL	-9.59
19	108	04/93 RFO	Bobbin	ADS		12.83	TTS-CL	+14.27
		04/93 RFO	C/L Special Int	VOL		1.21	TTS-CL	+14.02
20	30	04/93 RFO	C/L Special Int	VOL		0.37	12TH TSP	+6.82
20	38	04/93 RFO	Bobbin	IDI	40	7.87	TE-HL	+11.18
		04/93 RFO	H/L Special Int	MAI		1.40	TTS-HL	-10.92
20	54	04/93 RFO	H/L Tubesheet	VOL		2.18	TTS-HL	+0.96
20	66	04/93 RFO	Bobbin	ADS		4.82	1ST TSP	+15.58
		04/93 RFO	H/L Special Int	VOL		0.52	1ST TSP	+14.78
20	74	04/93 RFO	Bobbin	ADS		7.01	TTS-HL	+8.30
		04/93 RFO	Bobbin	ADS		3.19	2ND TSP	+3.83 to +38.36
		04/93 RFO	Bobbin	ADS		5.45	1ST TSP	+3.45 to +14.67
		04/93 RFO	H/L Special Int	VOL		0.40	TTS-HL	+8.41
		04/93 RFO	H/L Special Int	VOL		0.70	TTS-HL	+7.52
		04/93 RFO	H/L Special Int	VOL		0.24	2ND TSP	+20.64
20	76	04/93 RFO	Bobbin	ADS		2.29	4TH TSP	+13.95
20	90	04/93 RFO	Bobbin	IDI	40	6.36	TE-HL	+14.36
		04/93 RFO	H/L Special Int	MAI		1.85	TTS-HL	-7.24
20	92	04/93 RFO	Bobbin	IDI	40	8.53	TE-HL	+11.31
		04/93 RFO	H/L Special Int	MAI		1.33	TTS-HL	-10.40
20	98	04/93 RFO	C/L Special Int	VOL		0.30	9TH TSP	-1.38
		04/93 RFO	C/L Special Int	VOL		0.32	9TH TSP	-9.07
20	106	04/93 RFO	C/L Special Int	VOL		0.61	12TH TSP	+2.12
21	34	04/93 RFO	Bobbin	IDI	40	12.51	TE-HL	+2.79
		04/93 RFO	H/L Special Int	MAI		4.61	TE-HL	+2.96
21	43	04/93 RFO	Bobbin	IDI	40	23.35	TE-HL	+9.42
		04/93 RFO	H/L Special Int	MAI		1.22	TE-HL	+9.05
21	75	04/93 RFO	H/L Tubesheet	MAI		0.42	TTS-HL	-2.37
22	10	04/93 RFO	Bobbin	IDI	40	23.95	TE-HL	+16.67
		04/93 RFO	H/L Tubesheet	MAI		8.77	TTS-HL	-4.97
		04/93 RFO	H/L Special Int	MAI		7.09	TTS-HL	-4.80
22	27	04/93 RFO	C/L Special Int	VOL		0.97	13TH TSP	+4.24
22	30	04/93 RFO	Bobbin	IDI	40	4.43	TE-HL	+6.15
		04/93 RFO	H/L Special Int	MAI		1.21	TE-HL	+6.15
22	38	04/93 RFO	Bobbin	IDI	40	86.25	TE-HL	+15.35
		04/93 RFO	H/L Special Int	MAI		7.88	TTS-HL	-6.92
22	81	04/93 RFO	Bobbin	ODI	12	0.47	3AVB	+0.00
23	11	04/93 RFO	Bobbin	IDI	40	2.91	TE-HL	+16.80
		04/93 RFO	H/L Special Int	MAI		0.32	TTS-HL	-4.84
23	56	04/93 RFO	Bobbin	IDI	40	6.26	TE-HL	+11.44
		04/93 RFO	H/L Special Int	MAI		0.41	TE-HL	+11.05
23	76	04/93 RFO	C/L Special Int	SAI		0.27	10TH TSP	+29.50
23	92	04/93 RFO	Bobbin	IDI	40	11.93	TE-HL	+6.98
		04/93 RFO	H/L Special Int	MAI		0.86	TE-HL	+7.45
24	19	04/93 RFO	Bobbin	IDI	40	7.17	TE-HL	+17.65
		04/93 RFO	H/L Tubesheet	MAI		4.04	TTS-HL	-3.97
		04/93 RFO	H/L Special Int	MAI		3.06	TTS-HL	-4.30
24	20	04/93 RFO	Bobbin	IDI	40	3.46	TE-HL	+15.73
		04/93 RFO	H/L Special Int	SAI		1.77	TE-HL	+16.17
24	23	04/93 RFO	Bobbin	IDI	40	14.01	TE-HL	+16.73
		04/93 RFO	H/L Tubesheet	MAI		4.51	TTS-HL	-5.17
		04/93 RFO	H/L Special Int	MAI		3.57	TE-HL	+17.49
24	108	04/93 RFO	Bobbin	IDI	40	3.27	TE-HL	+18.05
25	10	04/93 RFO	C/L Special Int	VOL		0.27	11TH TSP	+14.18
25	54	04/93 RFO	Bobbin	IDI	40	23.17	TE-HL	+12.68
		04/93 RFO	H/L Special Int	MAI		1.38	TE-HL	+12.54
25	104	04/93 RFO	Bobbin	ADS		6.71	2ND TSP	+8.33
		04/93 RFO	H/L Special Int	VOL		0.23	2ND TSP	+7.56
26	28	04/93 RFO	Bobbin	ADS		6.3	9TH TSP	+38.36
		04/93 RFO	C/L Special Int	VOL		1.40	8TH TSP	-5.97
26	30	04/93 RFO	C/L Special Int	VOL		0.53	11TH TSP	+27.06
26	40	04/93 RFO	Bobbin	IDI	40	6.80	TE-HL	+16.53
		04/93 RFO	H/L Tubesheet	MAI		1.00	TTS-HL	-4.20
		04/93 RFO	H/L Special Int	MAI		1.07	TTS-HL	-6.08

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
26	66	04/93 RFO	Bobbin	IDI	40	7.81	TE-HL +10.41
		04/93 RFO	H/L Special Int	MAI		1.19	TTS-HL -6.62
		04/93 RFO	H/L Special Int	SAI		1.06	TTS-HL -12.71
26	80	04/93 RFO	Bobbin	IDI	40	1.66	TE-HL +8.15
26	81	04/93 RFO	Bobbin	IDI	40	1.48	TE-HL +11.28
26	96	04/93 RFO	H/L Tubesheet	SAI		0.13	TTS-HL -0.80
27	18	04/93 RFO	Bobbin	IDI	40	2.73	TE-HL +16.47
		04/93 RFO	H/L Special Int	SAI		1.45	TE-HL +17.31
27	32	04/93 RFO	H/L Tubesheet	WQI		0.41	TTS-HL +0.08
27	35	04/93 RFO	Bobbin	IDI	40	1.52	TE-HL +16.78
		04/93 RFO	H/L Special Int	MAI		0.91	TTS-HL -4.43
27	55	04/93 RFO	C/L Special Int	VOL		0.28	10TH TSP -15.79
27	69	04/93 RFO	Bobbin	IDI	40	45.01	TE-HL +3.62
		04/93 RFO	H/L Special Int	MAI		1.06	TE-HL +3.87
27	75	04/93 RFO	H/L Tubesheet	SCI		0.24	TTS-HL -0.03
27	82	04/93 RFO	Bobbin	IDI	40	4.75	TE-HL +11.42
27	84	04/93 RFO	C/L Special Int	VOL		0.25	11TH TSP +26.38
27	98	04/93 RFO	C/L Special Int	VOL		0.34	15TH TSP +7.73
28	9	04/93 RFO	H/L Tubesheet	VOL		0.16	TTS-HL +1.70
28	43	04/93 RFO	C/L Special Int	VOL		0.83	TTS-CL +11.95
28	57	04/93 RFO	Bobbin	ODI	8	2.28	11TH TSP +24.24
		04/93 RFO	C/L Special Int	VOL		0.59	11TH TSP +24.28
28	70	04/93 RFO	Bobbin	IDI	40	28.29	TE-HL +3.95
		04/93 RFO	H/L Special Int	MAI		2.42	TE-HL +4.87
28	71	04/93 RFO	H/L Tubesheet	MAI		0.74	TTS-HL +0.09
28	99	04/93 RFO	Bobbin	ODI	9	1.9'	TS-HL +13.52
		04/93 RFO	H/L Special Int	VOL		0.71	TTS-HL +13.81
29	10	04/93 RFO	H/L Tubesheet	SAI		0.77	TTS-HL +0.04
29	11	04/93 RFO	H/L Tubesheet	MAI		0.61	TTS-HL -2.69
29	20	04/93 RFO	Bobbin	IDI	40	1.30	TE-HL +16.40
		04/93 RFO	H/L Tubesheet	SAI		0.38	TTS-HL -3.38
		04/93 RFO	H/L Special Int	SAI		0.48	TE-HL +17.77
29	21	04/93 RFO	H/L Tubesheet	MAI		0.51	TTS-HL -3.86
29	23	04/93 RFO	H/L Tubesheet	SAI		0.61	TTS-HL -2.72
29	34	04/93 RFO	Bobbin	IDI	40	5.04	TE-HL +16.54
		04/93 RFO	H/L Tubesheet	MAI		1.28	TTS-HL -3.78
		04/93 RFO	H/L Special Int	MAI		1.37	TTS-HL -4.60
29	43	04/93 RFO	Bobbin	IDI	40	2.41	TE-HL +17.23
		04/93 RFO	H/L Tubesheet	SAI		0.54	TTS-HL -2.84
		04/93 RFO	H/L Special Int	SAI		0.63	TTS-HL -4.18
29	46	04/93 RFO	Bobbin	IDI	40	7.31	TE-HL +12.32
		04/93 RFO	H/L Special Int	MAI		0.44	TTS-HL -10.35
29	49	04/93 RFO	Bobbin	IDI	40	7.10	TE-HL +16.89
		04/93 RFO	H/L Tubesheet	MAI		2.30	TTS-HL -3.40
		04/93 RFO	H/L Special Int	MAI		2.34	TTS-HL -3.76
29	54	04/93 RFO	Bobbin	IDI	40	2.27	TE-HL +10.63
		04/93 RFO	H/L Special Int	MAI		0.34	TE-HL +10.65
29	66	04/93 RFO	Bobbin	IDI	40	3.07	TE-HL +12.90
		04/93 RFO	Bobbin	IDI	40	3.51	TE-HL +11.04
		04/93 RFO	H/L Special Int	MAI		0.36	TTS-HL -11.35
		04/93 RFO	H/L Special Int	MAI		1.53	TTS-HL -8.63
		04/93 RFO	C/L Special Int	VOL		0.51	10TH TSP +9.93
		04/93 RFO	C/L Special Int	VOL		0.69	10TH TSP +4.00
29	67	04/93 RFO	Bobbin	IDI	40	12.89	TE-HL +11.15
		04/93 RFO	H/L Special Int	MAI		2.69	TTS-HL -11.48
29	79	04/93 RFO	H/L Tubesheet	MAI		0.57	TTS-HL -0.17
29	88	04/93 RFO	Bobbin	IDI	40	8.36	TE-HL +12.38
		04/93 RFO	H/L Special Int	MAI		1.99	TTS-HL -9.12
30	11	04/93 RFO	C/L Special Int	VOL		0.23	10TH TSP +16.90
30	14	04/93 RFO	C/L Special Int	VOL		0.23	15TH TSP +6.63
		04/93 RFO	C/L Special Int	VOL		0.44	11TH TSP +5.60
30	39	04/93 RFO	Bobbin	IDI	40	9.39	TE-HL +2.22
		04/93 RFO	H/L Special Int	MAI		1.17	TE-HL +2.24
30	61	04/93 RFO	Bobbin	IDI	40	3.27	TE-HL +8.29
		04/93 RFO	Bobbin	IDI	40	7.94	TE-HL +6.38

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	XTW	VOLTS	LOCATION
		04/93 RFO	H/L Special Int	MAI		0.39	TE-HL +5.97
		04/93 RFO	H/L Special Int	MAI		0.66	TE-HL +7.73
30	62	04/93 RFO	Bobbin	IDI	40	2.27	TE-HL +17.64
		04/93 RFO	H/L Tubesheet	SAI		1.12	TTS-HL -4.16
		04/93 RFO	H/L Special Int	SAI		1.16	TTS-HL -2.27
30	64	04/93 RFO	Bobbin	IDI	40	3.49	TE-HL +6.46
		04/93 RFO	H/L Special Int	MAI		0.49	TE-HL +6.21
30	68	04/93 RFO	Bobbin	IDI	40	8.43	TE-HL +13.10
		04/93 RFO	H/L Special Int	MAI		1.38	TTS-HL -8.56
30	69	04/93 RFO	Bobbin	IDI	40	4.28	TE-HL +7.04
		04/93 RFO	H/L Special Int	MAI		1.19	TE-HL +7.82
30	76	04/93 RFO	Bobbin	IDI	40	6.46	TE-HL +5.88
		04/93 RFO	H/L Special Int	MAI		0.75	TTS-HL -16.45
		04/93 RFO	H/L Special Int	SAI		0.34	TTS-HL -7.66
30	77	04/93 RFO	Bobbin	IDI	40	23.50	TE-HL +13.63
		04/93 RFO	H/L Special Int	MAI		0.67	TTS-HL -9.08
30	80	04/93 RFO	Bobbin	IDI	40	6.05	TE-HL +14.45
		04/93 RFO	H/L Special Int	MAI		1.35	TTS-HL -7.91
30	90	04/93 RFO	Bobbin	ADS		5.24	2ND TSP +41.39
		04/93 RFO	H/L Special Int	VOL		0.57	3RD TSP -3.01
31	14	04/93 RFO	Bobbin	IDI	40	10.41	TE-HL +12.11
		04/93 RFO	H/L Special Int	MAI		1.49	TTS-HL -10.16
31	29	04/93 RFO	Bobbin	IDI	40	9.59	TE-HL +18.15
		04/93 RFO	H/L Tubesheet	MAI		3.28	TTS-HL -2.91
		04/93 RFO	H/L Special Int	MAI		2.77	TE-HL +19.49
31	38	04/93 RFO	Bobbin	IDI	40	54.60	TE-HL +15.13
		04/93 RFO	H/L Special Int	MAI		5.40	TTS-HL -7.34
31	100	04/93 RFO	Bobbin	IDI	40	4.14	TE-HL +10.91
32	26	04/93 RFO	Bobbin	ADS		5.92	TTS-CL +20.73
		04/93 RFO	C/L Special Int	VOL		0.38	20TH TSP -8.94
32	38	04/93 RFO	Bobbin	IDI	40	4.54	TE-HL +16.22
		04/93 RFO	H/L Tubesheet	SAI		0.70	TTS-HL -4.19
		04/93 RFO	H/L Special Int	SAI		0.57	TTS-HL -5.24
32	43	04/93 RFO	Bobbin	IDI	40	4.86	TE-HL +8.40
		04/93 RFO	H/L Special Int	MAI		2.22	TE-HL +6.86
32	59	04/93 RFO	C/L Special Int	VOL		0.28	11TH TSP +2.38
		04/93 RFO	C/L Special Int	VOL		0.30	11TH TSP -3.47
		04/93 RFO	C/L Special Int	VOL		0.35	10TH TSP +19.26
		04/93 RFO	C/L Special Int	VOL		0.38	10TH TSP +22.38
		04/93 RFO	C/L Special Int	VOL		0.52	11TH TSP +5.12
32	67	04/93 RFO	Bobbin	ODI	1	6.17	16TH TSP +1.51
		04/93 RFO	C/L Special Int	VOL		3.35	16TH TSP +1.51
32	88	04/93 RFO	C/L Special Int	VOL		0.14	15TH TSP +4.94
		04/93 RFO	C/L Special Int	VOL		0.27	15TH TSP +10.15
32	92	04/93 RFO	Bobbin	ADS		4.15	2ND TSP +38.57
32	97	04/93 RFO	C/L Special Int	VOL		0.41	9TH TSP +25.74
33	20	04/93 RFO	Bobbin	IDI	40	5.51	TE-HL +8.88
		04/93 RFO	H/L Special Int	MAI		0.71	TTS-HL -12.94
33	23	04/93 RFO	Bobbin	MQI		0.24	1ST TSP +0.05
		04/93 RFO	H/L Special Int	SAI		0.18	1ST TSP +0.18
33	27	04/93 RFO	C/L Special Int	VOL		0.29	11TH TSP +8.84
33	33	04/93 RFO	Bobbin	IDI	40	4.12	TE-HL +17.16
		04/93 RFO	H/L Tubesheet	MAI		0.96	TTS-HL -3.21
		04/93 RFO	H/L Special Int	MAI		1.31	TTS-HL -4.31
33	55	04/93 RFO	Bobbin	WAR	9	0.56	1AVB +0.00
33	98	04/93 RFO	C/L Special Int	VOL		0.38	13TH TSP +4.41
34	60	04/93 RFO	Bobbin	IDI	40	12.00	TE-HL +18.16
		04/93 RFO	H/L Tubesheet	MAI		0.53	TTS-HL 2.65
		04/93 RFO	H/L Tubesheet	SAI		0.65	TTS-HL -0.16
		04/93 RFO	H/L Special Int	MAI		0.52	TTS-HL -2.39
34	73	04/93 RFO	Bobbin	IDI	40	3.33	TE-HL +13.79
		04/93 RFO	H/L Special Int	SAI		2.05	TTS-HL -8.25
34	84	04/93 RFO	C/L Special Int	VOL		0.36	16TH TSP +5.26
35	17	04/93 RFO	Bobbin	IDI	40	1.98	TE-HL +13.55
		04/93 RFO	H/L Special Int	MAI		0.37	TTS-HL -8.66

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
35	18	04/93 RFO	Bobbin	NQI		1.15	TTS-CL +12.25
		04/93 RFO	Bobbin	NQI		0.80	1ST TSP -0.02
		04/93 RFO	H/L Tubesheet	SAI		0.43	TTS-HL -6.36
		04/93 RFO	H/L Special Int	SAI		0.39	1ST TSP +0.04
		04/93 RFO	C/L Special Int	VOL		0.62	15TH TSP +9.02
35	27	04/93 RFO	Bobbin	ADS		9.09	5TH TSP +32.95
35	28	04/93 RFO	C/L Special Int	VOL		0.32	12TH TSP +14.32
35	38	04/93 RFO	Bobbin	IDI	40	1.72	TE-HL +16.48
		04/93 RFO	H/L Tubesheet	MAI		0.37	TTS-HL -3.86
		04/93 RFO	H/L Special Int	MAI		0.60	TTS-HL -5.74
35	49	04/93 RFO	H/L Tubesheet	NQI		0.28	TTS-HL -0.15
35	56	04/93 RFO	Bobbin	ADS		7.62	10TH TSP +35.65
35	58	04/93 RFO	Bobbin	IDI	40	8.56	TE-HL +14.13
		04/93 RFO	H/L Special Int	MAI		0.97	TTS-HL -7.26
35	61	04/93 RFO	C/L Special Int	VOL		0.23	11TH TSP +2.20
		04/93 RFO	C/L Special Int	VOL		0.42	12TH TSP +15.73
		04/93 RFO	C/L Special Int	VOL		0.93	12TH TSP +6.00
35	65	04/93 RFO	Bobbin	IDI	40	5.26	TE-HL +17.02
		04/93 RFO	Bobbin	IDI	40	8.95	TE-HL +14.56
		04/93 RFO	H/L Tubesheet	MAI		1.66	TTS-HL -3.29
		04/93 RFO	H/L Special Int	MAI		0.67	TTS-HL -4.13
		04/93 RFO	H/L Special Int	SAI		0.68	TTS-HL -7.47
35	98	04/93 RFO	C/L Special Int	VOL		0.66	11TH TSP +3.90
36	16	04/93 RFO	Bobbin	ADS		3.18	5TH TSP +36.84
		04/93 RFO	H/L Special Int	VOL		0.73	6TH TSP -7.51
36	29	04/93 RFO	C/L Special Int	VOL		0.52	17TH TSP +9.73
36	35	04/93 RFO	H/L Tubesheet	SAI		0.27	TTS-HL -3.65
36	37	04/93 RFO	C/L Special Int	VOL		0.11	17TH TSP +6.55
		04/93 RFO	C/L Special Int	VOL		0.13	17TH TSP +9.11
36	41	04/93 RFO	H/L Tubesheet	SAI		0.51	TTS-HL -3.60
36	100	04/93 RFO	U-Bend	NQI		0.50	8TH TSP +2.69
37	26	04/93 RFO	Bobbin	IDI	40	15.98	TE-HL +11.10
		04/93 RFO	H/L Special Int	MAI		0.31	TE-HL +11.74
37	27	04/93 RFO	Bobbin	ADS		3.71	13TH TSP +6.47
		04/93 RFO	C/L Special Int	VOL		0.71	13TH TSP +6.27
37	31	04/93 RFO	C/L Special Int	VOL		0.33	TTS-CL +7.44
		04/93 RFO	C/L Special Int	VOL		0.44	17TH TSP +6.25
37	33	04/93 RFO	Bobbin	IDI	40	1.24	TE-HL +19.62
		04/93 RFO	H/L Tubesheet	MAI		0.29	TTS-HL -1.15
		04/93 RFO	H/L Special Int	MAI		0.25	TTS-HL -1.55
37	40	04/93 RFO	C/L Special Int	VOL		0.50	12TH TSP +6.73
37	46	04/93 RFO	H/L Tubesheet	SCI		0.23	TTS-HL -0.05
37	63	04/93 RFO	Bobbin	IDI	40	28.48	TE-HL +12.47
		04/93 RFO	H/L Tubesheet	SCI		0.49	TTS-HL -0.04
		04/93 RFO	H/L Special Int	MAI		1.41	TTS-HL -9.74
37	72	04/93 RFO	C/L Special Int	VOL		0.40	11TH TSP +14.53
37	73	04/93 RFO	C/L Special Int	VOL		0.31	11TH TSP +12.56
37	81	04/93 RFO	H/L Tubesheet	MAI		1.03	TTS-HL -5.53
37	86	04/93 RFO	Bobbin	IDI	40	11.45	TE-HL +12.15
		04/93 RFO	H/L Special Int	MAI		1.54	TTS-HL -9.62
38	24	04/93 RFO	Bobbin	IDI	40	11.57	TE-HL +14.01
		04/93 RFO	H/L Tubesheet	MAI		0.72	TTS-HL -5.73
		04/93 RFO	H/L Special Int	MAI		1.30	TE-HL +16.02
		04/93 RFO	H/L Special Int	MAI		1.34	TE-HL +15.00
38	26	04/93 RFO	H/L Tubesheet	MAI		1.50	TTS-HL -4.57
38	46	04/93 RFO	Bobbin	IDI	40	23.01	TE-HL +16.74
		04/93 RFO	H/L Tubesheet	MAI		5.57	TTS-HL -3.50
		04/93 RFO	H/L Special Int	MAI		4.30	TTS-HL -5.58
38	51	04/93 RFO	C/L Special Int	VOL		0.34	11TH TSP +10.28
38	53	04/93 RFO	Bobbin	WAR	20	1.27	1AVB +0.00
		04/93 RFO	Bobbin	IDI	40	10.55	TE-HL +12.63
38	63	04/93 RFO	Bobbin	IDI	40	9.52	TE-HL +13.39
		04/93 RFO	H/L Special Int	MAI		2.96	TTS-HL -8.96
38	66	04/93 RFO	Bobbin	IDI	40	3.25	TE-HL +12.35
		04/93 RFO	H/L Special Int	MAI		3.07	TTS-HL -9.63

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
38	69	04/93 RFO	Bobbin	ADS		4.67	3RD TSP	+8.51
38	71	04/93 RFO	C/L Special Int	VOL		0.26	TTS-CL	+3.21
		04/93 RFO	C/L Special Int	VOL		0.62	TTS-CL	+8.56
		04/93 RFO	C/L Special Int	VOL		0.15	10TH TSP	+14.51
		04/93 RFO	C/L Special Int	VOL		0.33	10TH TSP	+9.95
		04/93 RFO	C/L Special Int	VOL		0.41	10TH TSP	+9.64
38	72	04/93 RFO	H/L Tubesheet	MAI		0.55	TTS-HL	-3.84
		04/93 RFO	H/L Tubesheet	SAI		0.33	TTS-HL	+0.02
39	30	04/93 RFO	Bobbin	WAR	21	1.37	3AVB	+0.00
		04/93 RFO	Bobbin	IDI	40	8.01	TE-HL	+16.53
		04/93 RFO	H/L Tubesheet	MAI		2.68	TTS-HL	-3.14
		04/93 RFO	H/L Tubesheet	SAI		0.27	TTS-HL	-0.05
		04/93 RFO	H/L Special Int	MAI		2.35	TE-HL	+18.39
		04/93 RFO	C/L Special Int	VOL		0.40	11TH TSP	-3.29
39	33	04/93 RFO	C/L Special Int	VOL		0.33	9TH TSP	+24.19
39	34	04/93 RFO	Bobbin	IDI	40	6.89	TE-HL	+17.32
		04/93 RFO	H/L Tubesheet	MAI		1.06	TTS-HL	-2.46
		04/93 RFO	H/L Special Int	MAI		1.04	TTS-HL	-3.89
39	36	04/93 RFO	Bobbin	WAR	13	0.74	1AVB	+0.00
39	39	04/93 RFO	Bobbin	IDI	40	4.54	TE-HL	+9.39
		04/93 RFO	H/L Special Int	MAI		0.63	TE-HL	+9.22
39	45	04/93 RFO	Bobbin	IDI	40	10.41	TE-HL	+9.17
		04/93 RFO	H/L Special Int	MAI		2.22	TTS-HL	-13.06
39	51	04/93 RFO	Bobbin	WAR	20	1.22	1AVB	+0.00
39	52	04/93 RFO	Bobbin	IDI	40	18.09	TE-HL	+13.37
39	67	04/93 RFO	Bobbin	IDI	40	6.35	TE-HL	+13.30
		04/93 RFO	H/L Special Int	MAI		1.58	TTS-HL	-8.29
39	70	04/93 RFO	H/L Tubesheet	SAI		0.69	TTS-HL	-4.37
39	72	04/93 RFO	Bobbin	IDI	40	2.25	TE-HL	+15.58
		04/93 RFO	H/L Special Int	MAI		0.43	TTS-HL	-6.14
39	84	04/93 RFO	Bobbin	IDI	40	8.57	TE-HL	+12.37
		04/93 RFO	H/L Special Int	MAI		1.60	TTS-HL	-9.07
40	31	04/93 RFO	Bobbin	ADS		6.73	12TH TSP	+5.55
		04/93 RFO	C/L Special Int	VOL		0.88	12TH TSP	+5.42
40	52	04/93 RFO	Bobbin	IDI	40	9.42	TE-HL	+16.64
		04/93 RFO	H/L Tubesheet	SAI		3.91	TTS-HL	-2.78
		04/93 RFO	H/L Special Int	MAI		1.91	TE-HL	+16.23
40	62	04/93 RFO	Bobbin	IDI	40	8.45	TE-HL	+12.37
		04/93 RFO	H/L Special Int	MAI		1.05	TTS-HL	-8.72
40	66	04/93 RFO	Bobbin	WAR	25	1.54	1AVB	+0.00
40	75	04/93 RFO	Bobbin	IDI	40	9.58	TE-HL	+9.14
		04/93 RFO	H/L Special Int	MAI		2.78	TTS-HL	-11.19
		04/93 RFO	H/L Special Int	SAI		0.40	TTS-HL	-16.24
40	93	04/93 RFO	Bobbin	WAR	18	0.91	1AVB	+0.00
40	94	04/93 RFO	Bobbin	WAR	13	0.60	1AVB	+0.00
41	21	04/93 RFO	H/L Tubesheet	SAI		0.43	TTS-HL	-0.06
41	22	04/93 RFO	H/L Tubesheet	SAI		0.29	TTS-HL	+0.17
41	23	04/93 RFO	Bobbin	ADS		3.42	TTS-CL	+13.12
41	34	04/93 RFO	H/L Tubesheet	SCI		0.34	TTS-HL	-0.05
41	41	04/93 RFO	H/L Tubesheet	SAI		0.50	TTS-HL	-2.74
41	46	04/93 RFO	H/L Tubesheet	SCI		0.31	TTS-HL	-0.05
41	48	04/93 RFO	Bobbin	HQI		0.28	1ST TSP	-0.05
		04/93 RFO	H/L Special Int	SAI		0.16	1ST TSP	-0.01
41	53	04/93 RFO	Bobbin	IDI	40	5.90	TE-HL	+15.27
		04/93 RFO	H/L Tubesheet	MAI		1.82	TTS-HL	-5.27
41	94	04/93 RFO	H/L Tubesheet	VOL		0.10	TTS-HL	+0.74
42	36	04/93 RFO	Bobbin	ADS		8.97	7TH TSP	+5.72
		04/93 RFO	U-Bend	VOL		0.71	7TH TSP	+5.65
42	39	04/93 RFO	Bobbin	ADS		5.28	11TH TSP	+34.41
		04/93 RFO	C/L Special Int	VOL		0.54	10TH TSP	-9.28
42	43	04/93 RFO	C/L Special Int	VOL		0.32	9TH TSP	+21.59
42	47	04/93 RFO	C/L Special Int	VOL		0.23	12TH TSP	+11.59
42	51	04/93 RFO	Bobbin	IDI	40	7.88	TE-HL	+14.22
		04/93 RFO	H/L Special Int	MAI		2.10	TE-HL	+13.92
42	54	04/93 RFO	C/L Special Int	VOL		0.30	16TH TSP	+9.47

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS

REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
42	70	04/93 RFO	H/L Tubesheet	SAI		0.74	TTS-HL -4.27
43	37	04/93 RFO	Bobbin	ODI	14	0.78	3AVB +0.00
43	46	04/93 RFO	Bobbin	ODI	16	0.89	1AVB +0.00
43	47	04/93 RFO	Bobbin	IDI	40	1.52	TE-HL +14.00
43	52	04/93 RFO	Bobbin	ADS		8.09	2AVB +11.54
		04/93 RFO	U-Bend	VOL		2.17	2AVB +12.43
43	68	04/93 RFO	Bobbin	WAR	15	0.77	1AVB +0.00
43	92	04/93 RFO	H/L Tubesheet	NQI		0.22	TTS-HL -0.20
44	37	04/93 RFO	H/L Special Int	MAI		3.60	TTS-HL -6.97
44	49	04/93 RFO	Bobbin	ODI	13	0.68	1AVB +0.00
44	53	04/93 RFO	Bobbin	ODI	18	1.00	1AVB +0.00
44	54	04/93 RFO	Bobbin	IDI	40	4.11	TE-HL +11.70
44	59	04/93 RFO	Bobbin	IDI	53	5.93	TE-HL +16.15
		04/93 RFO	H/L Tubesheet	SAI		1.20	TTS-HL -5.52
		04/93 RFO	H/L Tubesheet	SCI		1.34	TTS-HL +0.01
		04/93 RFO	H/L Special Int	SAI		1.17	TTS-HL -4.80
44	62	04/93 RFO	C/L Special Int	VOL		0.35	11TH TSP -6.01
44	66	04/93 RFO	Bobbin	WAR	21	1.31	1AVB +0.00
44	70	04/93 RFO	Bobbin	IDI	56	7.27	TE-HL +15.32
		04/93 RFO	H/L Special Int	MAI		1.42	TTS-HL -6.38
		04/93 RFO	C/L Special Int	VOL		0.21	17TH TSP +21.72
		04/93 RFO	C/L Special Int	VOL		0.22	17TH TSP +20.70
44	92	04/93 RFO	H/L Tubesheet	NQI		0.33	TTS-HL -0.22
45	25	04/93 RFO	C/L Special Int	VOL		0.58	9TH TSP +11.08
45	34	04/93 RFO	Bobbin	ODI	16	0.87	1AVB +0.00
45	36	04/93 RFO	C/L Special Int	VOL		0.40	9TH TSP +16.01
45	41	04/93 RFO	H/L Tubesheet	MAI		0.35	TTS-HL -1.36
45	44	04/93 RFO	H/L Tubesheet	MAI		0.16	TTS-HL -3.10
45	57	04/93 RFO	Bobbin	WAR	24	1.67	1AVB +0.00
45	59	04/93 RFO	Bobbin	WAR	29	1.73	1AVB +0.00
45	61	04/93 RFO	Bobbin	IDI	71	7.48	TE-HL +12.09
		04/93 RFO	H/L Special Int	SAI		2.43	TTS-HL -8.50
45	67	04/93 RFO	Bobbin	IDI	96	5.06	TE-HL +15.29
		04/93 RFO	H/L Special Int	MAI		1.44	TTS-HL -6.62
45	78	04/93 RFO	Bobbin	ODI	85	0.96	1ST TSP -0.10
45	83	04/93 RFO	U-Bend	SCI		0.15	8TH TSP -0.12
46	30	04/93 RFO	Bobbin	ADS		14.46	3AVB -3.46
		04/93 RFO	U-Bend	VOL		0.85	3AVB -2.94
46	33	04/93 RFO	Bobbin	ADS		5.44	3RD TSP +28.15
		04/93 RFO	H/L Special Int	VOL		0.44	3RD TSP +27.17
46	44	04/93 RFO	C/L Special Int	VOL		0.32	9TH TSP +22.18
46	48	04/93 RFO	Bobbin	IDI	40	12.23	TE-HL +3.71
		04/93 RFO	H/L Special Int	MAI		2.11	TE-HL +4.94
46	60	04/93 RFO	C/L Special Int	VOL		0.17	10TH TSP +9.25
46	73	04/93 RFO	C/L Special Int	VOL		0.45	13TH TSP +2.21
46	78	04/93 RFO	Bobbin	WAR	22	1.66	1AVB +0.00
		04/93 RFO	Bobbin	WAR	24	1.28	1AVB +0.00
47	35	04/93 RFO	Bobbin	IDI	40	6.06	TE-HL +14.52
		04/93 RFO	H/L Special Int	SAI		3.90	TTS-HL -6.96
47	36	04/93 RFO	Bobbin	ODI	22	0.84	14TH TSP +12.50
		04/93 RFO	C/L Special Int	VOL		0.65	14TH TSP +12.22
47	61	04/93 RFO	Bobbin	NQI		0.14	4TH TSP +0.00
47	71	04/93 RFO	Bobbin	WAR	30	1.92	1AVB +0.00
47	78	04/93 RFO	Bobbin	WAR	27	1.57	1AVB +0.00
47	87	04/93 RFO	Bobbin	ODI	28	0.90	1ST TSP +1.19
		04/93 RFO	H/L Special Int	SAI		0.11	1ST TSP +1.28
48	30	04/93 RFO	H/L Tubesheet	SAI		0.57	TTS-HL -3.43
48	44	04/93 RFO	H/L Tubesheet	SAI		0.15	TTS-HL -0.09
48	52	04/93 RFO	Bobbin	IDI	40	3.64	TE-HL +16.15
		04/93 RFO	H/L Tubesheet	MAI		1.19	TTS-HL -4.26
		04/93 RFO	H/L Special Int	MAI		1.81	TTS-HL -4.63
49	36	04/93 RFO	Bobbin	IDI	70	10.27	TE-HL +13.17
		04/93 RFO	H/L Special Int	MAI		1.62	TTS-HL -8.54
49	38	04/93 RFO	C/L Special Int	VOL		0.24	14TH TSP +0.13
		04/93 RFO	C/L Special Int	VOL		0.75	16TH TSP -0.01

S/G D - ATTACHMENT #4 INDICATIONS OF IMPERFECTIONS
REPORT

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
49	45	04/93 RFO	Bobbin	IDI	40	3.51	TE-HL	+5.62
49	66	04/93 RFO	C/L Special Int	VOL		0.37	20TH TSP	+4.95
49	70	04/93 RFO	Bobbin	IDI	97	4.23	TE-HL	+3.03
		04/93 RFO	H/L Special Int	MAI		1.18	TE-HL	+3.71
49	78	04/93 RFO	C/L Special Int	VOL		0.60	17TH TSP	+0.00
49	79	04/93 RFO	C/L Special Int	VOL		0.23	17TH TSP	+0.00
49	81	04/93 RFO	C/L Special Int	VOL		0.44	17TH TSP	+0.00
49	83	04/93 RFO	Bobbin	ODI	20	0.83	16TH TSP	+10.12

Total Indications Found = 723

Total Tubes Found = 400