

Steam Generator Outage Summary Report

Catawba Unit 2 1997 Outage EOC 8

Location: 4800 Concord Road, York South Carolina 29745

NRC Docket No. 50-414

National Board No. 173

Commercial Service Date: August 19, 1986

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

Revision 0

Prepared By: Blauth Date: 8-24-00

Reviewed By: DB Mays Date: 8-24-00

Approved By: Wysong Date: 8-24-00

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Hartford Steam Boiler
Inspection and Insurance
Co. (AIA)

Electronic

Steam Generator
Desktop

FORM NIS-1 OWNER'S DATA REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules**

1. Owner: Duke Energy Corporation, 526 S. Church St., Charlotte, NC 28201-1006
(Name and Address of Owner)
2. Plant: Catawba Nuclear Station, 4800 Concord Road, York, S. C. 29745
(Name and Address of Plant)
3. Plant Unit: 2
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: August 19, 1986
6. National Board Number for Unit 173
7. Components Inspected:

<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Steam Generator 2A	Westinghouse	1923	N/A	4
Steam Generator 2B	Westinghouse	1922	N/A	3
Steam Generator 2C	Westinghouse	1921	N/A	2
Steam Generator 2D	Westinghouse	1924	N/A	5

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8¹/₂ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 11/30/95 to 5/2/97
9. Inspection Period Identification: First
10. Inspection Interval Identification: Second
11. Applicable Edition of Section XI 1989 Addenda None
12. Date/Revision of Inspection Plan: Per CNS Technical Specification
13. Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.
14. Abstract of Results of Examination and Tests.
15. Abstract of Corrective Measures.

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

Certificate of Authorization No. (if applicable) NA Expiration Date NA

Date 8-24 20 00 Signed Duke Energy Corp. By W. J. Lang
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC employed by *The HSBI&I Co. of NC have inspected the components described in this Owners' Report during the period 11-30-95 to 5-2-97, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Robert M. Hill Commissions NC 978
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-29-00 19 00

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

April 16, 1997

Z.L. Taylor
Regulatory Compliance - CN01RC

Subject: Catawba Nuclear Station
Unit 2 EOC-8 Refueling Outage
April 1997
Steam Generators
NRC Inspection Report - 12 Month

Dear Sir,

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

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

<u>Steam Generator</u>	<u>Tubes Inspected</u> <u>Full Length</u>
A	2624
B	2520
C	2447
D	2628

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

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

3. The following quantities of tubes were removed from service by plugging.
The tubes are identified in the attached Steam Generator Tube Repair List.

<u>Steam Generator</u>	<u>Number of Tubes</u>	<u>Attachment</u>
A	1	5
B	5	6
C	0	7
D	4	8

If further information is required, please call me at 875-5563.

Sincerely,

Emma N. Currence

Emma N. Currence
Eddy Current
Data Management Administrator

cc: w/o attachments: W.F. Brady
R.W. Eaker
W.M. Sample

cc: w/attachments: C.B. Cauthen
L.A. Reed

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	WTW	VOLTS	LOCATION	
1	1	04/97	Bobbin	ODI	11	3.44	7TH TSP	+13.87
1	3	04/97	Bobbin	ODI	17	1.02	2ND TSP	+18.00
1	17	04/97	Bobbin	ODI	10	0.81	11TH TSP	+7.96
1	23	04/97	Bobbin	ODI	23	0.33	11TH TSP	+5.97
1	25	04/97	Bobbin	NQI		0.44	18TH TSP	+13.12
		04/97	Bobbin	ODI	1	0.22	19TH TSP	+5.10
		04/97	Bobbin	ODI	2	0.32	19TH TSP	+5.35
		04/97	Bobbin	ODI	3	0.48	19TH TSP	+1.43
		04/97	Bobbin	ODI	13	0.23	19TH TSP	+6.03
		04/97	Bobbin	ODI	21	0.26	19TH TSP	+4.80
1	29	04/97	Bobbin	ODI	16	1.19	4TH TSP	+18.28
1	39	04/97	Bobbin	ODI	26	0.42	11TH TSP	+40.85
1	41	04/97	Bobbin	ODI	13	0.41	16TH TSP	+28.87
1	48	04/97	Bobbin	ODI	9	0.63	16TH TSP	+13.35
		04/97	C/L Special Interest	VOL		0.52	16TH TSP	+13.49
		04/97	C/L Special Interest	VOL		0.70	16TH TSP	-1.25
1	49	04/97	Bobbin	ODI	17	0.80	6TH TSP	+32.62
		04/97	Bobbin	ODI	13	0.68	11TH TSP	+33.25
1	63	04/97	Bobbin	NQI		0.30	13TH TSP	+15.02
1	64	04/97	Bobbin	ADI		0.94	2ND TSP	+11.23
		04/97	H/L Special Interest	VOL		1.16	2ND TSP	+11.03
1	66	04/97	Bobbin	ODI	1	0.35	13TH TSP	+1.57
1	67	04/97	Bobbin	ADI		0.80	14TH TSP	+16.30
		04/97	Bobbin	ADI		1.35	12TH TSP	+29.80
1	82	04/97	Bobbin	ODI	7	0.58	TTS-CL	+0.51
1	87	04/97	Bobbin	ADI		1.53	8TH TSP	+0.17
1	88	04/97	Bobbin	NQI		0.49	16TH TSP	+21.81
1	92	04/97	Bobbin	ADI		3.54	16TH TSP	+29.19
		04/97	C/L Special Interest	VOL		1.17	14TH TSP	-7.24
1	93	04/97	Bobbin	NQI		1.52	4TH TSP	+4.20 to +10.36
		04/97	H/L Special Interest	VOL		0.96	4TH TSP	+5.10 to +9.98
1	100	04/97	Bobbin	ODI	3	0.32	18TH TSP	+1.12
1	105	04/97	Bobbin	ADI		1.17	11TH TSP	+34.48
		04/97	Bobbin	ODI	10	1.08	11TH TSP	+36.27
		04/97	C/L Special Interest	VOL		0.97	10TH TSP	-6.49
1	108	04/97	Bobbin	ODI	10	1.52	3RD TSP	+17.61
1	113	04/97	Bobbin	ADI		1.47	16TH TSP	+4.55
2	2	04/97	Bobbin	ADI		0.44	12TH TSP	+3.59 to +8.65
2	3	04/97	Bobbin	NQI		0.37	12TH TSP	+2.70 to +8.46
2	8	04/97	Bobbin	ODI	7	1.04	16TH TSP	+8.75
2	14	04/97	Bobbin	NQI		1.25	11TH TSP	+7.05
		04/97	C/L Special Interest	VOL		1.64	11TH TSP	+7.03
2	18	04/97	Bobbin	ODI	15	1.94	16TH TSP	+32.29
2	25	04/97	Bobbin	NQI		0.55	TTS-CL	+3.25
		04/97	C/L Special Interest	VOL		0.85	TTS-CL	+3.57
2	37	04/97	Bobbin	NQI		0.78	12TH TSP	+0.66 to +7.13
2	43	04/97	Bobbin	NQI		0.29	3RD TSP	+18.90
2	61	04/97	Bobbin	ADI		0.85	11TH TSP	+37.44
		04/97	C/L Special Interest	VOL		0.31	11TH TSP	+36.89
2	62	04/97	Bobbin	ADI		2.16	18TH TSP	+19.81
2	66	04/97	Bobbin	NQI		1.14	18TH TSP	+27.45
		04/97	C/L Special Interest	VOL		0.61	18TH TSP	+27.09
2	73	04/97	Bobbin	ADI		3.78	1ST TSP	+15.06
		04/97	H/L Special Interest	VOL		0.74	1ST TSP	+14.57
2	74	04/97	Bobbin	ODI	9	0.32	14TH TSP	+13.73
2	75	04/97	Bobbin	ODI	27	0.34	16TH TSP	+30.74
2	77	04/97	Bobbin	ODI	7	0.36	13TH TSP	+29.60
2	80	04/97	Bobbin	ADI		0.20	14TH TSP	+5.21
2	88	04/97	Bobbin	ODI	2	0.26	18TH TSP	+7.11
2	89	04/97	Bobbin	NQI		0.50	13TH TSP	+17.19
		04/97	C/L Special Interest	VOL		0.45	13TH TSP	+17.07
2	101	04/97	Bobbin	NQI		0.50	10TH TSP	+10.97
		04/97	Bobbin	NQI		1.65	10TH TSP	+7.48
2	103	04/97	Bobbin	NQI		1.06	9TH TSP	-0.56
2	109	04/97	Bobbin	ADI		2.15	2ND TSP	+20.20

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		04/97	H/L Special Interest	VOL			0.44	2ND TSP +19.73
2	114	04/97	Bobbin	ODI	24		0.60	7TH TSP +12.23
3	5	04/97	Bobbin	ADI			2.28	17TH TSP +7.26
3	10	04/97	Bobbin	ADI			0.42	10TH TSP +8.16
		04/97	C/L Special Interest	VOL			0.84	10TH TSP +7.29
3	12	04/97	Bobbin	NQI			0.33	10TH TSP +34.92
		04/97	Bobbin	NQI			0.38	10TH TSP +37.11
3	14	04/97	Bobbin	NQI			0.80	17TH TSP +15.65
		04/97	Bobbin	NQI			1.03	16TH TSP +1.35
		04/97	Bobbin	NQI			1.10	17TH TSP +16.95
		04/97	Bobbin	ODI	14		1.43	2ND TSP +8.29
		04/97	Bobbin	ODI	21		2.00	3RD TSP +30.76
3	31	04/97	Bobbin	NQI			0.33	4TH TSP +15.57
		04/97	H/L Special Interest	VOL			0.57	4TH TSP +13.61
3	67	04/97	Bobbin	NQI			0.29	13TH TSP +31.27
		04/97	Bobbin	ODI	7		0.70	17TH TSP +5.44
3	74	04/97	Bobbin	ADI			0.99	17TH TSP +4.98
		04/97	C/L Special Interest	VOL			0.44	17TH TSP +4.68
3	78	04/97	Bobbin	ODI	19		0.38	18TH TSP +3.02
3	83	04/97	Bobbin	ODI	10		2.20	10TH TSP +38.01
3	88	04/97	Bobbin	ADI			1.62	13TH TSP +35.89
		04/97	C/L Special Interest	VOL			0.61	12TH TSP -7.70
3	103	04/97	Bobbin	NQI			0.19	12TH TSP -1.50
		04/97	Bobbin	NQI			0.42	12TH TSP -0.81
		04/97	Bobbin	ODI	11		0.30	10TH TSP +17.39
		04/97	C/L Special Interest	VOL			1.45	12TH TSP -0.82
3	108	04/97	Bobbin	ADI			1.06	12TH TSP +7.24
		04/97	C/L Special Interest	VOL			0.28	12TH TSP +6.71
4	12	04/97	Bobbin	NQI			0.28	5TH TSP +3.40
		04/97	Bobbin	NQI			0.45	5TH TSP +5.87
		04/97	Bobbin	NQI			0.47	5TH TSP +4.61
		04/97	H/L Special Interest	VOL			0.28	5TH TSP +4.59
		04/97	H/L Special Interest	VOL			0.28	5TH TSP +5.91
4	32	04/97	Bobbin	NQI			0.45	2ND TSP +13.26
		04/97	Bobbin	NQI			0.30	16TH TSP +9.63
		04/97	H/L Special Interest	VOL			0.49	2ND TSP +13.00
4	41	04/97	Bobbin	NQI			0.22	14TH TSP +11.82
4	50	04/97	Bobbin	ADI			1.44	13TH TSP +35.72
		04/97	C/L Special Interest	VOL			0.29	12TH TSP -7.95
4	55	04/97	Bobbin	ODI	16		1.19	2ND TSP +26.24
		04/97	H/L Special Interest	VOL			0.78	3RD TSP -9.87
4	72	04/97	Bobbin	ADI			3.23	12TH TSP +32.98
		04/97	C/L Special Interest	VOL			0.76	12TH TSP +32.43
4	78	04/97	Bobbin	NQI			0.90	2ND TSP +10.87
		04/97	H/L Special Interest	VOL			0.51	2ND TSP +10.83
4	82	04/97	Bobbin	ADI			1.14	18TH TSP +9.44
		04/97	Bobbin	ADI			2.84	13TH TSP +7.31
		04/97	C/L Special Interest	VOL			0.70	13TH TSP +6.96
4	85	04/97	Bobbin	ODI	13		0.73	7TH TSP +1.33
		04/97	Bobbin	ODI	19		2.45	7TH TSP +15.60
4	106	04/97	Bobbin	ADI			1.47	12TH TSP +35.04
		04/97	Bobbin	ADI			3.04	13TH TSP +31.86
		04/97	Bobbin	ADI			3.48	12TH TSP +7.73
		04/97	Bobbin	ADI			3.87	17TH TSP +1.58
		04/97	C/L Special Interest	VOL			0.75	12TH TSP +6.71
5	6	04/97	Bobbin	ADI			1.57	18TH TSP +2.41
		04/97	C/L Special Interest	VOL			0.59	18TH TSP +2.09
5	7	04/97	Bobbin	ODI	6		0.81	2ND TSP +32.97
5	17	04/97	Bobbin	ODI	16		0.24	15TH TSP +14.48
5	34	04/97	Bobbin	ODI	3		0.55	TTS-CL +4.38
		04/97	Bobbin	ADI			2.23	13TH TSP +7.79
		04/97	C/L Special Interest	VOL			0.69	13TH TSP +7.07
5	37	04/97	Bobbin	ODI	21		3.13	12TH TSP +12.94
5	58	04/97	Bobbin	NQI			0.39	1ST TSP +8.17
		04/97	Bobbin	ODI	11		2.16	12TH TSP +1.93

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	H/L Special Interest	VOL		0.93	1ST TSP	+9.02
5	60	04/97	Bobbin	NQI		0.53	3RD TSP	+5.06
5	62	04/97	Bobbin	ADI		1.86	13TH TSP	+40.72
		04/97	Bobbin	NQI		1.42	13TH TSP	+35.22
		04/97	C/L Special Interest	VOL		0.55	12TH TSP	-2.59
		04/97	C/L Special Interest	VOL		1.15	12TH TSP	-7.87
5	63	04/97	Bobbin	ADI		3.96	TTS-HL	+1.90
		04/97	H/L Special Interest	VOL		0.73	TTS-HL	+1.54
5	80	04/97	Bobbin	ODI	20	0.75	7TH TSP	+17.29
5	88	04/97	Bobbin	NQI		0.69	2ND TSP	+31.19
		04/97	H/L Special Interest	VOL		1.12	3RD TSP	+4.24
5	94	04/97	Bobbin	ODI	1	0.72	10TH TSP	+20.77
5	99	04/97	Bobbin	ADI		3.48	10TH TSP	+27.80
		04/97	C/L Special Interest	VOL		0.46	10TH TSP	+25.62
5	108	04/97	Bobbin	ODI	12	0.76	7TH TSP	+34.99
6	2	04/97	Bobbin	ODI	5	1.55	16TH TSP	+8.76
		04/97	Bobbin	ODI	22	0.72	19TH TSP	+5.42
6	3	04/97	Bobbin	ODI	11	1.93	18TH TSP	+2.72
6	4	04/97	Bobbin	ODI	3	0.79	14TH TSP	+7.34
6	5	04/97	Bobbin	ODI	12	1.78	15TH TSP	+3.88
6	13	04/97	Bobbin	NQI		0.68	1ST TSP	+26.26
		04/97	H/L Special Interest	VOL		0.59	2ND TSP	-1.61
6	31	04/97	Bobbin	ODI	15	1.41	12TH TSP	+34.00
6	35	04/97	Bobbin	ODI	2	1.07	6TH TSP	+7.94
		04/97	Bobbin	ODI	6	0.99	6TH TSP	+16.75
		04/97	Bobbin	ODI	11	0.70	6TH TSP	+10.34
		04/97	Bobbin	ODI	11	0.95	5TH TSP	+38.40
		04/97	Bobbin	ODI	15	1.19	6TH TSP	+28.93
6	36	04/97	Bobbin	ODI	26	0.31	15TH TSP	+13.05
6	40	04/97	Bobbin	ODI	2	2.20	10TH TSP	+16.65
		04/97	Bobbin	ODI	8	1.45	10TH TSP	+38.91
6	53	04/97	Bobbin	ODI	5	0.93	2ND TSP	+33.63
		04/97	Bobbin	ODI	14	1.05	19TH TSP	+1.32
6	54	04/97	Bobbin	ODI	12	0.75	5TH TSP	+1.83
		04/97	Bobbin	ODI	16	2.02	5TH TSP	+3.38
		04/97	Bobbin	ODI	9	0.34	12TH TSP	+13.04
6	62	04/97	Bobbin	ODI	5	0.77	3RD TSP	+1.96
6	75	04/97	Bobbin	ODI	8	0.98	19TH TSP	+6.73
		04/97	Bobbin	ODI	22	0.72	11TH TSP	+9.87
6	77	04/97	Bobbin	ODI	31	0.20	11TH TSP	+32.31
6	81	04/97	Bobbin	ODI	25	1.13	11TH TSP	+19.00
		04/97	C/L Special Interest	VOL		0.68	11TH TSP	+17.90
		04/97	C/L Special Interest	VOL		0.76	11TH TSP	+3.56
6	91	04/97	Bobbin	ODI	10	0.72	4TH TSP	+14.62
		04/97	Bobbin	ODI	15	0.54	10TH TSP	+19.88
6	99	04/97	Bobbin	ODI	13	0.42	16TH TSP	+2.96
		04/97	Bobbin	ODI	15	0.30	12TH TSP	+19.97
		04/97	Bobbin	ODI	39	0.59	16TH TSP	-1.28
		04/97	C/L Special Interest	VOL		0.89	16TH TSP	-1.28
6	104	04/97	Bobbin	NQI		0.51	7TH TSP	+38.20
6	114	04/97	Bobbin	ADI		1.29	10TH TSP	+36.89
		04/97	C/L Special Interest	VOL		1.14	9TH TSP	-9.12
7	3	04/97	Bobbin	NQI		0.22	7TH TSP	+30.76
7	14	04/97	Bobbin	ODI	11	0.55	TTS-CL	+5.74
7	15	04/97	Bobbin	ODI	3	1.11	TTS-CL	+4.53
7	26	04/97	Bobbin	ODI	14	1.31	3RD TSP	+9.80
7	31	04/97	Bobbin	ODI	10	0.66	4TH TSP	+9.20
7	40	04/97	Bobbin	NQI		0.47	18TH TSP	+12.87
		04/97	Bobbin	ODI	24	0.91	17TH TSP	+13.22
		04/97	C/L Special Interest	VOL		2.65	18TH TSP	+13.07
7	43	04/97	Bobbin	ODI	15	1.56	12TH TSP	+15.36
7	51	04/97	Bobbin	ODI	8	0.64	19TH TSP	+2.43
7	61	04/97	Bobbin	ODI	19	1.53	6TH TSP	+19.83
7	67	04/97	Bobbin	ODI	17	0.36	18TH TSP	+10.20
7	69	04/97	Bobbin	ODI	4	0.92	TTS-HL	+5.98

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	Bobbin	ODI	16	1.26	3RD TSP +4.54
7	70	04/97	Bobbin	ODI	6	0.64	17TH TSP +6.62
		04/97	Bobbin	ODI	15	0.54	16TH TSP +12.25
7	93	04/97	Bobbin	ODI	10	0.89	1ST TSP +6.66
7	94	04/97	Bobbin	ODI	15	0.65	1ST TSP +19.55
7	97	04/97	Bobbin	NQI		0.41	11TH TSP +9.33
		04/97	Bobbin	ODI	13	0.47	9TH TSP +8.16
		04/97	C/L Special Interest	VOL		0.21	11TH TSP +10.08
7	104	04/97	Bobbin	ODI	18	0.45	1ST TSP +10.51
		04/97	H/L Special Interest	VOL		0.29	1ST TSP +10.32
7	106	04/97	Bobbin	ADI		1.39	6TH TSP +12.27
		04/97	H/L Special Interest	VOL		1.01	6TH TSP +12.73
7	108	04/97	Bobbin	NQI		0.27	5TH TSP +35.07
		04/97	Bobbin	NQI		0.25	12TH TSP +35.20
7	113	04/97	Bobbin	ODI	12	0.85	TTS-CL +3.92
8	3	04/97	Bobbin	ODI	19	0.67	7TH TSP +11.56
8	16	04/97	Bobbin	ODI	8	1.19	1ST TSP +19.42
		04/97	Bobbin	ODI	15	0.42	10TH TSP +29.34
		04/97	Bobbin	ODI	17	0.31	10TH TSP +23.47
		04/97	H/L Special Interest	VOL		1.40	2ND TSP -9.54
8	24	04/97	Bobbin	ODI	2	1.70	7TH TSP +34.88
8	35	04/97	Bobbin	ODI	17	0.41	19TH TSP +8.22
		04/97	Bobbin	ODI	21	0.33	19TH TSP +7.14
8	38	04/97	Bobbin	ODI	11	0.45	2ND TSP +14.93
8	44	04/97	Bobbin	ODI	7	0.72	2ND TSP +26.47
		04/97	H/L Special Interest	VOL		0.69	3RD TSP -9.69
8	46	04/97	Bobbin	ODI	12	2.14	5TH TSP +36.48
		04/97	Bobbin	ODI	14	2.21	18TH TSP +4.61
		04/97	H/L Special Interest	VOL		0.92	6TH TSP -6.22
8	47	04/97	Bobbin	ODI	14	2.57	6TH TSP +2.77
8	52	04/97	Bobbin	ODI	9	0.40	3RD TSP +4.10
8	79	04/97	Bobbin	ADI		1.95	15TH TSP +15.59
		04/97	C/L Special Interest	VOL		0.82	14TH TSP -2.82
8	87	04/97	Bobbin	ODI	6	1.16	12TH TSP +26.63
8	91	04/97	Bobbin	ADI		1.33	16TH TSP +11.12
		04/97	C/L Special Interest	VOL		0.52	16TH TSP +11.51
8	96	04/97	Bobbin	NQI		0.21	15TH TSP +10.53
8	106	04/97	Bobbin	ODI	5	0.66	2ND TSP +23.92
		04/97	H/L Special Interest	VOL		0.60	3RD TSP -12.08
8	108	04/97	Bobbin	ODI	2	0.78	11TH TSP +14.54
		04/97	Bobbin	ODI	6	1.04	11TH TSP +8.95
		04/97	Bobbin	ODI	16	0.86	11TH TSP +17.23
8	109	04/97	Bobbin	NQI		0.41	10TH TSP +30.70
8	111	04/97	Bobbin	NQI		0.72	10TH TSP +39.75
		04/97	Bobbin	ODI	3	0.37	10TH TSP +35.76
8	113	04/97	Bobbin	NQI		1.07	10TH TSP +24.23
		04/97	Bobbin	ODI	26	0.80	7TH TSP +27.11
9	6	04/97	Bobbin	ODI	20	0.71	1ST TSP +20.53
9	11	04/97	Bobbin	ODI	4	0.83	13TH TSP +4.87
9	15	04/97	Bobbin	ODI	2	2.10	17TH TSP +11.37
9	21	04/97	Bobbin	NQI		0.64	13TH TSP +20.06
		04/97	Bobbin	ODI	35	0.53	13TH TSP +23.81
		04/97	C/L Special Interest	VOL		2.95	13TH TSP +18.32
		04/97	C/L Special Interest	VOL		3.22	13TH TSP +22.11
9	70	04/97	Bobbin	ODI	8	1.00	4TH TSP +6.10
9	81	04/97	Bobbin	ODI	12	1.17	18TH TSP +11.12
		04/97	C/L Special Interest	VOL		0.35	18TH TSP +11.24
9	89	04/97	Bobbin	ODI	17	0.92	13TH TSP +20.21
9	93	04/97	Bobbin	ODI	11	0.40	14TH TSP +13.30
		04/97	C/L Special Interest	VOL		0.24	13TH TSP -4.77
9	95	04/97	Bobbin	ODI	15	0.52	7TH TSP +26.86
9	99	04/97	Bobbin	ADI		3.33	8TH TSP +5.17
9	100	04/97	Bobbin	ODI	14	0.82	9TH TSP +8.96
9	102	04/97	Bobbin	NQI		0.28	5TH TSP +7.54
		04/97	Bobbin	ODI	26	0.36	16TH TSP +6.18

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	H/L Special Interest	VOL		0.46	5TH TSP	+7.64
9	106	04/97	Bobbin	ODI	13	1.89	11TH TSP	+15.80
9	109	04/97	Bobbin	NQI		0.26	10TH TSP	+22.64
9	111	04/97	Bobbin	ODI	4	0.25	10TH TSP	+32.81
10	12	04/97	Bobbin	ODI	24	1.24	7TH TSP	+7.54
10	14	04/97	Bobbin	ODI	1	3.17	2ND TSP	+27.72
		04/97	Bobbin	ADI		2.46	3RD TSP	+5.22 to +10.09
		04/97	H/L Special Interest	VOL		0.37	3RD TSP	+5.22 to +10.09
10	17	04/97	Bobbin	ODI	22	1.28	11TH TSP	+21.92
10	50	04/97	Bobbin	ADI		1.20	13TH TSP	+22.93
		04/97	Bobbin	ADI		1.30	11TH TSP	+22.27
		04/97	Bobbin	ODI	13	0.81	1ST TSP	+23.00
		04/97	Bobbin	ODI	16	1.26	4TH TSP	+37.11
		04/97	Bobbin	ODI	21	0.63	7TH TSP	+21.41
		04/97	C/L Special Interest	VOL		2.63	13TH TSP	+22.23
10	54	04/97	Bobbin	ODI	13	0.44	4TH TSP	+18.46
		04/97	H/L Special Interest	VOL		0.20	4TH TSP	+18.32
10	59	04/97	Bobbin	ODI	5	2.07	13TH TSP	+32.51
		04/97	Bobbin	ODI	11	1.02	16TH TSP	+2.93
10	61	04/97	Bobbin	ODI	19	0.52	1ST TSP	+11.60
10	70	04/97	Bobbin	ODI	11	0.47	3RD TSP	+9.22
		04/97	Bobbin	ODI	15	0.77	3RD TSP	+12.46
10	75	04/97	Bobbin	NQI		0.54	17TH TSP	-1.36
		04/97	C/L Special Interest	VOL		1.35	17TH TSP	-1.59
10	79	04/97	Bobbin	ODI	6	1.04	5TH TSP	+38.23
		04/97	H/L Special Interest	VOL		0.48	6TH TSP	-4.83
10	82	04/97	Bobbin	ODI	5	0.78	15TH TSP	+15.21
10	91	04/97	Bobbin	ODI	30	0.39	5TH TSP	+20.21
		04/97	Bobbin	ODI	14	0.77	10TH TSP	+42.48
		04/97	Bobbin	ODI	26	0.73	13TH TSP	+17.11
10	95	04/97	Bobbin	ODI	35	0.34	7TH TSP	+30.12
10	97	04/97	Bobbin	NQI		0.40	13TH TSP	+32.09
		04/97	Bobbin	NQI		0.45	15TH TSP	+13.26
10	108	04/97	Bobbin	ODI	26	0.24	10TH TSP	+40.56
10	110	04/97	Bobbin	ODI	15	0.74	6TH TSP	+30.29
10	111	04/97	Bobbin	ADI		0.58	10TH TSP	+35.79
		04/97	Bobbin	ODI	10	0.67	10TH TSP	+34.62
10	112	04/97	Bobbin	NQI		0.16	10TH TSP	+43.49
		04/97	C/L Special Interest	VOL		1.03	9TH TSP	-6.54
10	113	04/97	Bobbin	NQI		0.87	10TH TSP	+44.20
11	2	04/97	Bobbin	ODI	18	0.41	5TH TSP	+36.70
11	4	04/97	Bobbin	ODI	25	0.53	15TH TSP	+4.36
11	5	04/97	Bobbin	NQI		0.44	7TH TSP	+15.89
		04/97	Bobbin	ODI	36	0.47	10TH TSP	+19.37
		04/97	C/L Special Interest	VOL		5.19	10TH TSP	+19.67
11	8	04/97	Bobbin	ODI	9	0.39	1ST TSP	+22.22
11	9	04/97	Bobbin	ODI	1	1.28	17TH TSP	+15.14
		04/97	C/L Special Interest	VOL		0.47	16TH TSP	-3.28
11	12	04/97	Bobbin	ODI	11	1.60	10TH TSP	+16.31
11	16	04/97	Bobbin	ADI		0.45	10TH TSP	+31.96
		04/97	Bobbin	NQI		0.26	10TH TSP	+30.50
		04/97	Bobbin	ODI	8	0.67	7TH TSP	+27.73
		04/97	C/L Special Interest	VOL		2.19	9TH TSP	-15.37
11	28	04/97	Bobbin	ODI	22	0.85	TTS-CL	+5.61
11	30	04/97	Bobbin	ODI	4	1.30	14TH TSP	+15.58
		04/97	Bobbin	ODI	7	1.20	14TH TSP	+13.54
11	35	04/97	Bobbin	ODI	6	0.23	5TH TSP	+34.99
11	51	04/97	Bobbin	ADI		2.62	2ND TSP	+25.40
		04/97	H/L Special Interest	VOL		0.66	2ND TSP	+26.06
11	54	04/97	Bobbin	ODI	11	0.50	15TH TSP	+2.85
11	87	04/97	Bobbin	ODI	17	0.36	2ND TSP	+10.23
		04/97	Bobbin	ODI	20	0.44	17TH TSP	+3.66
11	88	04/97	Bobbin	ODI	13	0.23	13TH TSP	+22.34
11	102	04/97	Bobbin	ODI	5	1.28	2ND TSP	+24.32
11	107	04/97	Bobbin	NQI		0.24	10TH TSP	+13.24

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	16	0.33	7TH TSP	+36.42
		04/97	H/L Special Interest	VOL		0.44	8TH TSP	-6.27
11	110	04/97	Bobbin	ODI	14	0.40	10TH TSP	+30.56
11	112	04/97	Bobbin	ODI	21	1.41	8TH TSP	-1.20
11	113	04/97	Bobbin	NQI		0.33	10TH TSP	+40.31
		04/97	Bobbin	NQI		0.72	10TH TSP	+42.38
12	2	04/97	Bobbin	ADI		0.25	11TH TSP	+26.92
12	3	04/97	Bobbin	ODI	22	0.20	7TH TSP	+18.11
12	10	04/97	Bobbin	ODI	3	1.83	1ST TSP	+24.81
12	13	04/97	Bobbin	ADI		5.58	TTS-CL	+4.75
		04/97	Bobbin	ADI		2.91	10TH TSP	+43.94
		04/97	C/L Special Interest	VOL		8.66	TTS-CL	+4.38
12	19	04/97	Bobbin	ODI	16	0.42	7TH TSP	+23.76
		04/97	Bobbin	ODI	16	1.00	10TH TSP	+25.34
12	23	04/97	Bobbin	ODI	11	0.42	7TH TSP	+23.64
		04/97	Bobbin	ODI	15	0.40	7TH TSP	+26.12
		04/97	Bobbin	ODI	15	0.78	10TH TSP	+26.97
12	24	04/97	Bobbin	ADI		1.38	2ND TSP	+18.91
		04/97	H/L Special Interest	VOL		1.26	2ND TSP	+18.52
12	52	04/97	Bobbin	ODI	15	0.30	10TH TSP	+31.29
12	55	04/97	Bobbin	ODI	24	0.50	11TH TSP	+15.80
12	89	04/97	Bobbin	ADI		2.29	7TH TSP	+14.86
		04/97	H/L Special Interest	VOL		0.25	7TH TSP	+13.83
12	90	04/97	Bobbin	ADI		2.93	7TH TSP	+41.60
		04/97	Bobbin	ODI	23	1.10	6TH TSP	+8.45
		04/97	H/L Special Interest	VOL		0.72	8TH TSP	-3.81
12	108	04/97	Bobbin	NQI		0.75	5TH TSP	+28.28
		04/97	H/L Special Interest	VOL		0.59	6TH TSP	-14.90
13	4	04/97	Bobbin	ODI	19	0.59	2ND TSP	+20.04
13	7	04/97	Bobbin	ODI	5	0.33	12TH TSP	+2.32
13	11	04/97	Bobbin	ODI	10	0.73	18TH TSP	+4.62
13	14	04/97	Bobbin	ODI	2	0.67	13TH TSP	+38.66
13	17	04/97	Bobbin	ODI	14	0.33	7TH TSP	+31.48
		04/97	Bobbin	ODI	5	0.21	10TH TSP	+39.73
13	21	04/97	Bobbin	ODI	8	0.93	7TH TSP	+35.89
13	29	04/97	Bobbin	ODI	15	0.68	7TH TSP	+11.18
		04/97	Bobbin	ODI	27	0.44	7TH TSP	+10.21
13	33	04/97	Bobbin	ODI	17	1.06	7TH TSP	+18.61
13	34	04/97	Bobbin	ODI	9	0.89	19TH TSP	+4.08
		04/97	Bobbin	ODI	9	1.35	12TH TSP	+36.73
		04/97	Bobbin	ODI	15	0.68	13TH TSP	+5.16
		04/97	Bobbin	ODI	18	1.08	12TH TSP	+18.98
13	43	04/97	Bobbin	ODI	39	1.13	5TH TSP	+33.61
		04/97	H/L Special Interest	VOL		1.67	6TH TSP	-10.46
13	47	04/97	Bobbin	ODI	17	1.17	19TH TSP	+5.25
13	76	04/97	Bobbin	ODI	7	0.53	7TH TSP	+9.90
		04/97	Bobbin	ODI	7	0.75	7TH TSP	+8.30
		04/97	Bobbin	ODI	5	1.00	11TH TSP	+35.68
13	87	04/97	Bobbin	ODI	8	0.91	7TH TSP	+7.47
		04/97	Bobbin	ODI	25	0.94	7TH TSP	+22.01
13	93	04/97	Bobbin	ODI	7	0.46	4TH TSP	-0.05
13	98	04/97	Bobbin	NQI		0.25	10TH TSP	+42.00
		04/97	Bobbin	ODI	7	0.26	7TH TSP	+44.28
		04/97	C/L Special Interest	VOL		0.75	9TH TSP	-3.03
13	103	04/97	Bobbin	NQI		0.59	6TH TSP	+34.32
		04/97	H/L Special Interest	VOL		0.47	7TH TSP	-8.04
		04/97	H/L Special Interest	VOL		0.56	7TH TSP	-8.90
13	107	04/97	Bobbin	NQI		0.37	10TH TSP	+21.81
13	108	04/97	Bobbin	NQI		1.17	10TH TSP	+25.22
		04/97	C/L Special Interest	VOL		1.27	10TH TSP	+25.25
14	16	04/97	Bobbin	NQI		0.23	7TH TSP	+37.57
		04/97	Bobbin	ODI	30	0.24	7TH TSP	+39.97
14	17	04/97	Bobbin	ADI		1.91	3RD TSP	+23.94
		04/97	Bobbin	NQI		0.18	7TH TSP	+33.02
		04/97	Bobbin	ODI	22	0.19	11TH TSP	+20.24

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
14	25	04/97	Bobbin	ODI	11	0.71	10TH TSP	+3.39
		04/97	Bobbin	ODI	11	0.81	17TH TSP	+0.93
		04/97	Bobbin	ODI	12	0.66	12TH TSP	+5.68
		04/97	Bobbin	ODI	25	0.50	15TH TSP	+1.30
		04/97	Bobbin	ODI	26	0.49	16TH TSP	+1.29
		04/97	Bobbin	ODI	31	1.03	13TH TSP	+10.94
14	28	04/97	Bobbin	ODI	12	0.67	10TH TSP	+17.55
		04/97	Bobbin	ODI	16	0.57	15TH TSP	+15.69
14	29	04/97	Bobbin	ODI	13	1.42	6TH TSP	+21.83
14	33	04/97	Bobbin	NQI		0.55	10TH TSP	+40.45
		04/97	C/L Special Interest	VOL		4.56	10TH TSP	+40.16
14	35	04/97	Bobbin	ODI	6	0.88	2ND TSP	+26.26
14	49	04/97	Bobbin	NQI		0.29	10TH TSP	+32.45
		04/97	C/L Special Interest	VOL		4.05	9TH TSP	-11.60
14	92	04/97	Bobbin	ODI	12	0.32	10TH TSP	+39.29
14	97	04/97	Bobbin	NQI		0.70	12TH TSP	+37.55
		04/97	Bobbin	ODI	16	0.58	12TH TSP	+31.23
		04/97	C/L Special Interest	VOL		0.56	11TH TSP	-5.67
14	100	04/97	Bobbin	ADI		4.16	4AVB	+6.59
14	107	04/97	Bobbin	ODI	16	0.46	7TH TSP	+38.20
14	108	04/97	Bobbin	NQI		0.47	10TH TSP	+14.42
		04/97	Bobbin	ODI	2	0.79	6TH TSP	+3.49
		04/97	Bobbin	ODI	5	0.90	6TH TSP	+6.29
		04/97	Bobbin	ODI	6	1.00	6TH TSP	+13.24
		04/97	C/L Special Interest	VOL		0.69	10TH TSP	+14.38
14	109	04/97	Bobbin	ODI	8	0.50	10TH TSP	+38.56
14	110	04/97	Bobbin	ODI	3	0.29	7TH TSP	+40.28
14	111	04/97	Bobbin	NQI		0.27	7TH TSP	+38.85
		04/97	Bobbin	NQI		0.42	7TH TSP	+38.44
		04/97	Bobbin	NQI		0.71	10TH TSP	+34.96
14	112	04/97	Bobbin	ADI		0.17	6TH TSP	+23.84
15	3	04/97	Bobbin	NQI		0.37	7TH TSP	+15.29
		04/97	Bobbin	ODI	16	0.39	7TH TSP	+16.39
15	7	04/97	Bobbin	ODI	20	0.36	6TH TSP	+22.72
		04/97	H/L Special Interest	VOL		0.52	6TH TSP	+23.05
15	17	04/97	Bobbin	ODI	5	0.92	10TH TSP	+28.18
		04/97	Bobbin	ODI	22	0.39	10TH TSP	+27.12
15	18	04/97	Bobbin	ODI	8	0.64	7TH TSP	+32.23
		04/97	Bobbin	ODI	10	0.42	10TH TSP	+36.30
15	22	04/97	Bobbin	ODI	1	0.51	11TH TSP	+19.98
15	23	04/97	Bobbin	ODI	5	1.36	10TH TSP	+37.56
		04/97	Bobbin	ODI	17	0.80	10TH TSP	+23.97
15	24	04/97	Bobbin	ADI		1.00	TTS-CL	+5.29
		04/97	Bobbin	ODI	4	0.58	7TH TSP	+26.59
		04/97	Bobbin	ODI	4	0.92	7TH TSP	+23.38
		04/97	Bobbin	ODI	11	0.56	7TH TSP	+22.84
		04/97	Bobbin	ODI	5	0.64	10TH TSP	+5.08
		04/97	Bobbin	ODI	17	0.55	10TH TSP	+42.55
15	25	04/97	Bobbin	ODI	7	2.36	5TH TSP	+11.87
		04/97	Bobbin	ODI	11	0.78	17TH TSP	+16.27
15	27	04/97	Bobbin	ODI	13	0.59	TTS-CL	+3.05
15	30	04/97	Bobbin	ODI	14	0.47	7TH TSP	+38.61
		04/97	Bobbin	ODI	5	0.56	10TH TSP	+37.83
		04/97	Bobbin	ODI	15	0.71	10TH TSP	+41.69
15	31	04/97	Bobbin	ODI	4	1.18	6TH TSP	+36.72
		04/97	Bobbin	ODI	5	0.82	10TH TSP	+33.61
15	49	04/97	Bobbin	ODI	7	0.71	2ND TSP	+17.49
15	50	04/97	Bobbin	ODI	50	0.35	10TH TSP	+20.25
15	51	04/97	Bobbin	ODI	29	0.30	7TH TSP	+30.42
15	53	04/97	Bobbin	ODI	4	0.46	6TH TSP	+40.70
15	55	04/97	Bobbin	ODI	6	1.24	17TH TSP	+8.97
		04/97	C/L Special Interest	VOL		1.15	17TH TSP	+8.60
15	56	04/97	Bobbin	NQI		0.30	6TH TSP	+4.15
		04/97	H/L Special Interest	VOL		0.53	6TH TSP	+4.70
15	57	04/97	Bobbin	ODI	2	0.56	18TH TSP	+9.67

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
15	72	04/97	Bobbin		ODI	12	0.93	3RD TSP	+22.17
15	74	04/97	Bobbin		ODI	17	0.66	16TH TSP	+10.95
15	75	04/97	Bobbin		ODI	13	1.06	16TH TSP	+14.14
15	97	04/97	Bobbin		NQI		0.24	7TH TSP	+39.14
		04/97	Bobbin		ODI	4	0.69	7TH TSP	+40.06
		04/97	Bobbin		ODI	6	0.34	3RD TSP	+24.57
15	107	04/97	Bobbin		NQI		0.35	11TH TSP	+35.77
		04/97	Bobbin		ODI	27	0.27	6TH TSP	+32.03
		04/97	C/L Special Interest		VOL		0.75	10TH TSP	-7.80
15	108	04/97	Bobbin		NQI		0.18	7TH TSP	+31.37
		04/97	Bobbin		NQI		0.29	7TH TSP	+23.92
		04/97	H/L Special Interest		VOL		0.27	8TH TSP	-7.34
		04/97	H/L Special Interest		VOL		0.42	8TH TSP	-4.81
15	109	04/97	Bobbin		ODI	4	1.47	14TH TSP	+10.57
		04/97	Bobbin		ODI	6	0.62	11TH TSP	+27.78
		04/97	C/L Special Interest		VOL		0.17	11TH TSP	+27.26
		04/97	C/L Special Interest		VOL		1.14	13TH TSP	-7.40
16	4	04/97	Bobbin		ODI	17	0.59	11TH TSP	+29.50
16	5	04/97	Bobbin		ODI	8	0.56	11TH TSP	+25.87
16	6	04/97	Bobbin		ODI	9	0.54	10TH TSP	+43.78
16	17	04/97	Bobbin		ODI	7	0.43	10TH TSP	+30.50
		04/97	Bobbin		ODI	16	0.27	10TH TSP	+27.47
		04/97	Bobbin		ODI	28	0.35	10TH TSP	+25.20
16	23	04/97	Bobbin		ODI	34	0.97	13TH TSP	+14.73
16	51	04/97	Bobbin		ADI		1.23	17TH TSP	+14.63
16	54	04/97	Bobbin		NQI		0.17	10TH TSP	+26.27
		04/97	Bobbin		ODI	9	0.84	8TH TSP	-1.18
		04/97	Bobbin		ODI	21	0.63	4TH TSP	+25.79
16	60	04/97	Bobbin		ADI		1.94	2ND TSP	+32.90
		04/97	Bobbin		ODI	21	1.25	13TH TSP	+20.65
		04/97	Bobbin		ODI	22	0.59	13TH TSP	+16.74
16	61	04/97	Bobbin		ODI	16	2.88	17TH TSP	+4.88
		04/97	C/L Special Interest		VOL		0.91	17TH TSP	+4.41
16	64	04/97	Bobbin		ODI	7	0.55	7TH TSP	+32.78
		04/97	Bobbin		ODI	15	1.21	18TH TSP	+14.75
16	71	04/97	Bobbin		ODI	12	1.85	7TH TSP	+31.64
16	77	04/97	Bobbin		ODI	10	0.72	16TH TSP	+11.13
16	105	04/97	Bobbin		ODI	3	1.33	7TH TSP	+10.99
16	106	04/97	Bobbin		ADI		0.95	10TH TSP	+20.46
		04/97	Bobbin		ODI	5	0.68	3RD TSP	+31.30
		04/97	Bobbin		ODI	4	0.48	17TH TSP	+6.90
		04/97	C/L Special Interest		VOL		0.25	10TH TSP	+18.64
16	107	04/97	Bobbin		ODI	8	0.75	5TH TSP	+31.14
16	111	04/97	Bobbin		NQI		0.51	7TH TSP	+27.98
17	7	04/97	Bobbin		ODI	10	1.11	6TH TSP	+24.52
17	8	04/97	Bobbin		ODI	4	0.71	10TH TSP	+6.11
17	9	04/97	Bobbin		ODI	9	0.39	5TH TSP	+10.67
		04/97	Bobbin		ODI	18	0.30	7TH TSP	+9.05
		04/97	Bobbin		ODI	31	0.37	14TH TSP	+11.10
17	11	04/97	Bobbin		ODI	18	1.46	13TH TSP	+21.66
17	18	04/97	Bobbin		ODI	14	0.32	10TH TSP	+32.33
17	24	04/97	Bobbin		ADI		0.86	11TH TSP	+25.84
		04/97	C/L Special Interest		VOL		4.61	11TH TSP	+25.56
17	28	04/97	Bobbin		ODI	27	0.59	18TH TSP	+9.13
		04/97	C/L Special Interest		VOL		0.65	18TH TSP	+9.13
17	31	04/97	Bobbin		ODI	6	1.63	8TH TSP	+5.45
		04/97	Bobbin		ODI	9	0.68	13TH TSP	+26.21
17	35	04/97	Bobbin		ODI	12	0.52	7TH TSP	+22.56
17	39	04/97	Bobbin		NQI		0.55	8TH TSP	-1.12
17	43	04/97	Bobbin		ODI	13	0.30	7TH TSP	+27.54
17	45	04/97	Bobbin		ODI	21	0.69	10TH TSP	+17.48
17	52	04/97	Bobbin		ADI		0.95	7TH TSP	+30.05
17	59	04/97	Bobbin		ODI	12	1.80	15TH TSP	+9.20
17	61	04/97	Bobbin		ODI	5	1.81	14TH TSP	+11.58
17	63	04/97	Bobbin		ODI	8	0.91	3RD TSP	+11.39

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
17	65	04/97	Bobbin	ODI	7	0.78	18TH TSP	+14.43
		04/97	Bobbin	ODI	8	1.46	17TH TSP	+1.26
		04/97	C/L Special Interest	VOL		0.52	17TH TSP	-3.63
		04/97	C/L Special Interest	VOL		1.00	17TH TSP	+1.26
17	73	04/97	Bobbin	NQI	54.28		TTS-HL	-0.10
17	80	04/97	Bobbin	NQI		0.91	13TH TSP	+14.83
		04/97	C/L Special Interest	VOL		1.07	13TH TSP	+15.33
17	86	04/97	Bobbin	NQI		0.64	7TH TSP	+8.49
		04/97	H/L Special Interest	VOL		1.62	7TH TSP	+7.70
17	102	04/97	Bobbin	NQI		0.30	6TH TSP	+22.58
17	103	04/97	Bobbin	NQI		0.43	13TH TSP	+17.93
17	108	04/97	Bobbin	NQI		0.46	8TH TSP	-0.26
		04/97	Bobbin	ODI	1	0.38	7TH TSP	+38.38
		04/97	Bobbin	ODI	11	0.87	6TH TSP	+2.83
		04/97	H/L Special Interest	VOL		1.71	6TH TSP	+2.78
17	110	04/97	Bobbin	NQI		0.56	5TH TSP	+24.54
		04/97	H/L Special Interest	VOL		1.35	5TH TSP	+24.23
18	4	04/97	Bobbin	ODI	25	0.38	10TH TSP	+37.14
18	17	04/97	Bobbin	ODI	19	0.45	10TH TSP	+24.83
18	26	04/97	Bobbin	ODI	17	0.60	13TH TSP	+24.09
18	36	04/97	Bobbin	ODI	1	1.70	13TH TSP	+28.42
		04/97	Bobbin	ODI	7	1.91	13TH TSP	+30.60
		04/97	Bobbin	ODI	11	0.96	16TH TSP	+5.20
18	41	04/97	Bobbin	ODI	11	1.39	12TH TSP	+21.95
18	51	04/97	Bobbin	ODI	4	0.58	10TH TSP	+42.99
18	64	04/97	Bobbin	ODI	3	0.73	1ST TSP	+19.94
		04/97	Bobbin	ODI	16	0.79	2ND TSP	+11.01
		04/97	Bobbin	ODI	27	0.53	11TH TSP	+6.65
18	66	04/97	Bobbin	ODI	2	0.54	18TH TSP	+4.06
		04/97	Bobbin	ODI	7	0.57	13TH TSP	+17.94
		04/97	C/L Special Interest	VOL		0.33	13TH TSP	+17.74
18	67	04/97	Bobbin	ODI	10	1.83	10TH TSP	+4.41
18	90	04/97	Bobbin	NQI		0.37	12TH TSP	+17.59
		04/97	C/L Special Interest	VOL		0.82	12TH TSP	+17.66
18	111	04/97	Bobbin	NQI		0.73	6TH TSP	+26.99
		04/97	Bobbin	NQI		0.50	13TH TSP	+1.17
		04/97	Bobbin	NQI		0.59	14TH TSP	+15.61
		04/97	Bobbin	ODI	28	0.85	7TH TSP	+16.61
		04/97	H/L Special Interest	VOL		0.79	7TH TSP	-16.98
		04/97	H/L Special Interest	VOL		0.92	7TH TSP	-15.77
		04/97	C/L Special Interest	VOL		0.74	13TH TSP	+1.30
		04/97	C/L Special Interest	VOL		0.80	14TH TSP	+16.98
19	16	04/97	Bobbin	NQI		0.39	4TH TSP	+11.95
		04/97	Bobbin	ODI	2	0.24	10TH TSP	+43.29
		04/97	H/L Special Interest	VOL		0.60	4TH TSP	+11.88
19	19	04/97	Bobbin	ODI	3	0.66	7TH TSP	+39.13
		04/97	Bobbin	ODI	16	0.37	7TH TSP	+40.87
19	22	04/97	Bobbin	ODI	15	0.88	10TH TSP	+39.06
19	43	04/97	Bobbin	ODI	6	1.26	11TH TSP	+27.12
		04/97	Bobbin	ODI	10	2.31	13TH TSP	+7.03
		04/97	C/L Special Interest	VOL		0.99	13TH TSP	+7.54
19	45	04/97	Bobbin	ODI	4	0.61	6TH TSP	+37.17
19	48	04/97	Bobbin	ADI		0.32	7TH TSP	+39.88
19	54	04/97	Bobbin	ADI		1.01	10TH TSP	+43.88
19	56	04/97	Bobbin	NQI		0.62	10TH TSP	+40.88
19	62	04/97	Bobbin	ODI	14	0.83	12TH TSP	+31.04
19	69	04/97	Bobbin	ODI	14	0.59	6TH TSP	+13.94
19	94	04/97	Bobbin	NQI		0.31	5TH TSP	+10.52
		04/97	Bobbin	ODI	13	1.06	5TH TSP	+13.63
		04/97	Bobbin	ODI	13	1.40	1ST TSP	+14.84
		04/97	H/L Special Interest	VOL		0.70	5TH TSP	+9.50
		04/97	H/L Special Interest	VOL		1.35	5TH TSP	+10.31
		04/97	H/L Special Interest	VOL		1.67	5TH TSP	+13.51
19	100	04/97	Bobbin	ODI	12	0.39	1ST TSP	+11.27
		04/97	Bobbin	ODI	12	0.40	1ST TSP	+18.25

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	Bobbin	ODI	18	0.36	1ST TSP +9.89
		04/97	Bobbin	ODI	20	0.64	1ST TSP +20.53
19	103	04/97	Bobbin	NQI		0.32	10TH TSP +20.55
		04/97	Bobbin	NQI		0.45	10TH TSP +17.35
		04/97	Bobbin	ODI	28	0.29	13TH TSP +24.61
19	105	04/97	Bobbin	NQI		0.43	7TH TSP +43.48
		04/97	Bobbin	NQI		0.45	8TH TSP -1.56
19	107	04/97	Bobbin	NQI		0.63	15TH TSP +15.86
		04/97	Bobbin	NQI		0.97	12TH TSP +2.73
		04/97	C/L Special Interest	VOL		0.40	14TH TSP -2.20
		04/97	C/L Special Interest	VOL		1.18	12TH TSP +2.97
19	110	04/97	Bobbin	ODI	15	0.50	10TH TSP +41.59
20	5	04/97	Bobbin	ODI	14	0.55	10TH TSP +44.14
20	12	04/97	Bobbin	ODI	6	0.49	10TH TSP +16.53
		04/97	Bobbin	ODI	10	0.34	10TH TSP +33.14
		04/97	Bobbin	ODI	18	0.34	10TH TSP +15.32
20	18	04/97	Bobbin	ODI	14	0.22	11TH TSP +6.69
20	20	04/97	Bobbin	ODI	28	0.23	7TH TSP +30.85
		04/97	Bobbin	ODI	38	0.31	6TH TSP +24.76
		04/97	H/L Special Interest	VOL		0.31	6TH TSP +24.18
20	22	04/97	Bobbin	ODI	2	1.39	10TH TSP +44.06
		04/97	Bobbin	ODI	20	0.42	10TH TSP +35.92
20	23	04/97	Bobbin	NQI		0.36	14TH TSP +9.92
		04/97	Bobbin	ODI	6	0.28	15TH TSP +8.61
		04/97	C/L Special Interest	VOL		2.16	14TH TSP +10.27
20	48	04/97	Bobbin	ODI	7	0.45	7TH TSP +43.12
20	52	04/97	Bobbin	ODI	5	0.80	10TH TSP +43.57
20	54	04/97	Bobbin	ODI	4	1.65	15TH TSP +4.02
20	57	04/97	Bobbin	NQI		0.67	6TH TSP +23.11
		04/97	Bobbin	NQI		0.75	6TH TSP +20.61
		04/97	Bobbin	NQI		0.87	6TH TSP +21.71
		04/97	Bobbin	NQI		0.32	10TH TSP +27.12
		04/97	Bobbin	NQI		0.49	14TH TSP +14.73
		04/97	Bobbin	ODI	11	0.70	7TH TSP +41.96
		04/97	Bobbin	ODI	12	0.76	6TH TSP +22.06
		04/97	Bobbin	ODI	12	0.44	10TH TSP +22.89
		04/97	Bobbin	ODI	28	0.27	10TH TSP +30.10
		04/97	Bobbin	ODI	33	0.36	11TH TSP +7.55
		04/97	H/L Special Interest	VOL		0.62	6TH TSP +20.82
		04/97	H/L Special Interest	VOL		0.84	6TH TSP +22.38
		04/97	C/L Special Interest	VOL		4.53	10TH TSP +26.15
		04/97	C/L Special Interest	VOL		6.64	14TH TSP +16.29
20	63	04/97	Bobbin	ODI	7	0.71	4TH TSP +22.02
		04/97	Bobbin	ODI	14	0.28	15TH TSP +16.47
20	69	04/97	Bobbin	ODI	3	1.00	18TH TSP +11.09
20	70	04/97	Bobbin	NQI		0.54	16TH TSP +5.96
		04/97	C/L Special Interest	VOL		0.83	16TH TSP +6.57
20	79	04/97	Bobbin	ODI	20	0.43	9TH TSP -1.36
		04/97	C/L Special Interest	VOL		0.21	9TH TSP -1.06
20	86	04/97	Bobbin	NQI		0.57	6TH TSP +8.78
		04/97	H/L Special Interest	VOL		0.72	6TH TSP +8.97
20	88	04/97	Bobbin	NQI		0.84	12TH TSP +38.20
		04/97	C/L Special Interest	VOL		1.46	11TH TSP -5.44
20	91	04/97	Bobbin	NQI		0.56	5TH TSP +37.64
		04/97	H/L Special Interest	VOL		0.89	5TH TSP +37.32
20	109	04/97	Bobbin	ODI	10	0.79	1ST TSP +21.24
21	5	04/97	Bobbin	ODI	10	0.26	TTS-HL +7.08
21	19	04/97	Bobbin	ODI	16	0.64	10TH TSP +32.56
21	49	04/97	Bobbin	ODI	3	0.48	7TH TSP +35.28
21	53	04/97	Bobbin	NQI		0.51	2ND TSP +15.89
		04/97	H/L Special Interest	VOL		1.13	2ND TSP +16.08
21	75	04/97	Bobbin	ODI	11	0.29	14TH TSP +6.64
21	88	04/97	Bobbin	ODI	16	0.56	7TH TSP +18.88
21	92	04/97	Bobbin	NQI		0.48	4TH TSP +2.76
		04/97	Bobbin	NQI		0.53	7TH TSP +2.04

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	H/L Special Interest	VOL			0.54	7TH TSP	+1.88
21	94	04/97	Bobbin	ODI	6		0.30	11TH TSP	+37.97
		04/97	Bobbin	NQI			1.05	10TH TSP	+4.18 to +10.01
		04/97	C/L Special Interest	VOL			0.73	10TH TSP	+3.55 to +9.62
21	103	04/97	Bobbin	ODI	13		0.25	10TH TSP	+24.59
		04/97	Bobbin	ODI	22		0.44	10TH TSP	+44.07
21	104	04/97	Bobbin	NQI			0.30	10TH TSP	+33.75
		04/97	Bobbin	ODI	20		0.30	10TH TSP	+27.96
21	106	04/97	Bobbin	NQI			0.21	7TH TSP	+37.22
		04/97	Bobbin	ODI	15		0.38	7TH TSP	+38.78
		04/97	Bobbin	ODI	23		0.84	10TH TSP	+42.79
21	107	04/97	Bobbin	NQI			0.39	4TH TSP	+20.68
		04/97	Bobbin	NQI			0.69	5TH TSP	+37.69
		04/97	Bobbin	ODI	3		0.37	10TH TSP	+34.74
		04/97	H/L Special Interest	VOL			0.53	6TH TSP	-6.25
		04/97	H/L Special Interest	VOL			1.07	4TH TSP	+20.47
		04/97	H/L Special Interest	VOL			1.44	6TH TSP	-5.25
		04/97	H/L Special Interest	VOL			1.54	4TH TSP	+19.71
21	110	04/97	Bobbin	NQI			0.26	10TH TSP	+42.08
22	11	04/97	Bobbin	ODI	14		1.28	5TH TSP	+30.29
		04/97	Bobbin	ODI	14		1.44	13TH TSP	+24.93
22	14	04/97	Bobbin	ODI	13		0.90	7TH TSP	+44.18
22	20	04/97	Bobbin	ODI	8		1.06	11TH TSP	+27.82
22	41	04/97	Bobbin	NQI			0.36	17TH TSP	+2.20
		04/97	Bobbin	ODI	12		1.18	2ND TSP	+7.26
		04/97	Bobbin	ODI	2		1.14	14TH TSP	+7.64
		04/97	Bobbin	ODI	7		0.68	15TH TSP	+14.38
		04/97	H/L Special Interest	VOL			0.51	2ND TSP	+7.42
		04/97	C/L Special Interest	VOL			0.20	14TH TSP	-4.19
		04/97	C/L Special Interest	VOL			0.55	14TH TSP	+8.14
		04/97	C/L Special Interest	VOL			2.41	17TH TSP	+2.26
22	44	04/97	Bobbin	ODI	6		0.62	10TH TSP	+42.57
22	76	04/97	Bobbin	ODI	3		0.42	13TH TSP	+4.29
22	89	04/97	Bobbin	ODI	8		0.95	14TH TSP	+11.54
		04/97	Bobbin	ODI	9		0.71	14TH TSP	+9.18
22	96	04/97	Bobbin	NQI			0.24	6TH TSP	+19.69
		04/97	Bobbin	NQI			0.78	7TH TSP	+22.74
		04/97	H/L Special Interest	VOL			0.95	7TH TSP	+20.54
		04/97	H/L Special Interest	VOL			1.05	6TH TSP	+19.03
		04/97	H/L Special Interest	VOL			1.15	7TH TSP	+20.22
22	97	04/97	Bobbin	ODI	25		0.46	1ST TSP	+17.36
22	105	04/97	Bobbin	ODI	22		0.39	10TH TSP	+44.31
22	108	04/97	Bobbin	ODI	22		0.26	7TH TSP	+41.90
		04/97	Bobbin	ODI	4		0.39	10TH TSP	+30.02
		04/97	Bobbin	ODI	13		0.76	10TH TSP	+15.95
23	7	04/97	Bobbin	ODI	6		0.98	10TH TSP	+38.78
23	16	04/97	Bobbin	NQI			0.44	7TH TSP	+37.66
		04/97	Bobbin	NQI			0.22	15TH TSP	+13.50
23	19	04/97	Bobbin	NQI			0.39	10TH TSP	+14.14
23	30	04/97	Bobbin	ODI	2		0.75	11TH TSP	+20.33
23	77	04/97	Bobbin	ODI	13		0.79	15TH TSP	+2.04
		04/97	Bobbin	ODI	16		0.58	15TH TSP	+2.12
23	78	04/97	Bobbin	ODI	7		0.81	11TH TSP	+6.07
		04/97	Bobbin	ODI	15		0.59	11TH TSP	+5.83
		04/97	C/L Special Interest	VOL			0.68	11TH TSP	+6.16
23	95	04/97	Bobbin	NQI			1.05	6TH TSP	+21.49
		04/97	H/L Special Interest	VOL			3.00	6TH TSP	+21.32
23	104	04/97	Bobbin	NQI			0.26	9TH TSP	-1.17
23	106	04/97	Bobbin	NQI			0.52	7TH TSP	+35.12
		04/97	Bobbin	NQI			0.35	10TH TSP	+40.04
		04/97	Bobbin	NQI			0.57	10TH TSP	+40.83
		04/97	Bobbin	NQI			0.85	10TH TSP	+31.17
		04/97	Bobbin	ODI	16		0.24	10TH TSP	+30.32
23	108	04/97	Bobbin	ADI			0.35	7TH TSP	+24.16
		04/97	Bobbin	NQI			0.22	7TH TSP	+23.18

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	NQI		0.53	7TH TSP	+36.63
		04/97	Bobbin	NQI		0.26	12TH TSP	+8.61
		04/97	Bobbin	NQI		0.68	10TH TSP	+33.20
		04/97	Bobbin	ODI	12	0.95	7TH TSP	+40.29
		04/97	Bobbin	ODI	14	0.51	7TH TSP	+37.61
		04/97	Bobbin	ODI	19	0.43	7TH TSP	+38.10
		04/97	Bobbin	ODI	24	0.56	7TH TSP	+26.95
		04/97	Bobbin	ODI	29	0.57	7TH TSP	+39.03
		04/97	Bobbin	ODI	37	0.32	10TH TSP	+38.32
23	109	04/97	Bobbin	ODI	2	0.34	7TH TSP	+44.34
24	15	04/97	Bobbin	ODI	6	1.06	18TH TSP	+3.04
		04/97	Bobbin	ODI	16	0.66	18TH TSP	-1.14
24	18	04/97	Bobbin	ODI	13	0.99	7TH TSP	+36.09
		04/97	Bobbin	ODI	1	0.58	10TH TSP	+43.43
24	25	04/97	Bobbin	ODI	6	1.05	14TH TSP	+5.03
		04/97	C/L Special Interest	VOL		1.06	14TH TSP	+5.17
24	31	04/97	Bobbin	ODI	3	1.18	11TH TSP	+35.57
		04/97	Bobbin	ODI	4	0.93	13TH TSP	+37.26
		04/97	Bobbin	ODI	9	0.70	10TH TSP	+37.63
		04/97	Bobbin	ODI	9	0.88	18TH TSP	+8.79
		04/97	C/L Special Interest	VOL		0.24	18TH TSP	+8.41
24	33	04/97	Bobbin	ODI	4	1.15	19TH TSP	+6.85
		04/97	C/L Special Interest	VOL		0.24	19TH TSP	+6.72
24	37	04/97	Bobbin	ODI	10	1.46	12TH TSP	+4.48
24	41	04/97	Bobbin	ODI	9	0.52	10TH TSP	+39.98
24	46	04/97	Bobbin	ODI	12	0.19	13TH TSP	+12.92
24	51	04/97	Bobbin	NQI		0.12	7TH TSP	+20.61
		04/97	Bobbin	ODI	3	0.24	7TH TSP	+21.64
24	52	04/97	Bobbin	ODI	3	0.19	7TH TSP	+12.86
24	53	04/97	Bobbin	ODI	7	0.35	7TH TSP	+23.35
24	55	04/97	Bobbin	ODI	3	0.53	7TH TSP	+35.19
24	77	04/97	Bobbin	NQI		0.25	10TH TSP	+12.08
		04/97	C/L Special Interest	VOL		0.37	10TH TSP	+12.09
24	79	04/97	Bobbin	NQI		0.21	9TH TSP	-1.55
24	84	04/97	Bobbin	NQI		0.45	8TH TSP	+0.19
		04/97	Bobbin	ODI	3	0.44	7TH TSP	+33.55
		04/97	Bobbin	ODI	10	1.41	5TH TSP	+31.25
24	90	04/97	Bobbin	ODI	4	0.78	11TH TSP	+31.53
		04/97	Bobbin	ODI	30	0.85	16TH TSP	+7.37
		04/97	C/L Special Interest	VOL		0.32	16TH TSP	+7.52
24	94	04/97	Bobbin	ODI	7	0.73	12TH TSP	+38.51
24	98	04/97	Bobbin	ODI	27	0.84	7TH TSP	+2.52
		04/97	H/L Special Interest	VOL		0.54	7TH TSP	+2.41
24	99	04/97	Bobbin	NQI		1.03	7TH TSP	+35.47
		04/97	Bobbin	NQI		0.32	10TH TSP	+41.97
		04/97	Bobbin	ODI	6	1.27	7TH TSP	+37.89
		04/97	C/L Special Interest	VOL		0.83	9TH TSP	-1.91
24	100	04/97	Bobbin	NQI		0.56	8TH TSP	-1.32
		04/97	Bobbin	NQI		0.54	10TH TSP	+41.56
		04/97	Bobbin	ODI	10	0.31	7TH TSP	+40.52
		04/97	Bobbin	ODI	14	0.45	10TH TSP	+28.38
24	102	04/97	Bobbin	ODI	2	0.54	10TH TSP	+17.81
24	106	04/97	Bobbin	NQI		0.29	12TH TSP	+36.95
24	107	04/97	Bobbin	ODI	29	0.32	10TH TSP	+44.20
25	15	04/97	Bobbin	ODI	3	0.50	7TH TSP	+20.35
		04/97	Bobbin	ODI	26	0.42	6TH TSP	+3.18
		04/97	Bobbin	ODI	18	0.49	18TH TSP	+2.21
		04/97	Bobbin	ODI	27	0.28	10TH TSP	+34.08
25	16	04/97	Bobbin	ADI		1.43	5TH TSP	+12.21
		04/97	H/L Special Interest	VOL		0.47	5TH TSP	+12.55
25	23	04/97	Bobbin	ODI	31	0.30	7TH TSP	+26.15
25	25	04/97	Bobbin	NQI		0.47	3RD TSP	+25.90
		04/97	Bobbin	ODI	29	0.24	10TH TSP	+29.57
25	27	04/97	Bobbin	ODI	8	0.60	7TH TSP	+12.77
		04/97	Bobbin	ODI	21	0.42	7TH TSP	+11.64

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	11	0.36	19TH TSP	+3.39
25	29	04/97	Bobbin	ODI	16	0.62	1AVB	+18.36
25	30	04/97	Bobbin	ODI	1	1.02	14TH TSP	+11.83
		04/97	Bobbin	ODI	2	1.53	13TH TSP	+8.27
25	32	04/97	Bobbin	ODI	11	2.85	6TH TSP	+18.19
		04/97	Bobbin	ODI	5	0.78	12TH TSP	+23.25
		04/97	H/L Special Interest	VOL		1.27	6TH TSP	+18.73
		04/97	C/L Special Interest	VOL		0.26	12TH TSP	+24.14
25	36	04/97	Bobbin	ODI	8	0.60	12TH TSP	+18.44
25	37	04/97	Bobbin	ODI	5	3.80	4AVB	+17.52
25	41	04/97	Bobbin	ODI	1	3.13	1ST TSP	+23.72
		04/97	H/L Special Interest	VOL		2.08	2ND TSP	-5.00
25	48	04/97	Bobbin	ODI	1	0.44	12TH TSP	+30.17
25	55	04/97	Bobbin	ODI	37	0.87	12TH TSP	+6.83
		04/97	C/L Special Interest	VOL		4.60	12TH TSP	+6.98
25	59	04/97	Bobbin	ODI	12	1.07	12TH TSP	+10.15
25	69	04/97	Bobbin	ODI	1	0.89	6TH TSP	+38.06
25	88	04/97	Bobbin	ODI	17	0.80	5TH TSP	+1.49
		04/97	Bobbin	ODI	24	0.56	2ND TSP	+18.18
25	101	04/97	Bobbin	NQI		0.32	6TH TSP	+34.50
25	103	04/97	Bobbin	ODI	3	0.28	10TH TSP	+42.48
		04/97	Bobbin	ODI	10	0.21	10TH TSP	+37.26
25	104	04/97	Bobbin	NQI		0.52	13TH TSP	+35.19
		04/97	Bobbin	ODI	12	0.36	7TH TSP	+32.98
		04/97	Bobbin	ODI	6	0.38	10TH TSP	+22.00
		04/97	C/L Special Interest	VOL		0.39	12TH TSP	-8.00
25	106	04/97	Bobbin	NQI		0.99	10TH TSP	+41.02
		04/97	Bobbin	ODI	13	0.31	10TH TSP	+27.05
		04/97	C/L Special Interest	VOL		0.49	9TH TSP	-4.94
25	107	04/97	Bobbin	ODI	5	0.83	5TH TSP	+20.08
		04/97	Bobbin	ODI	5	0.87	5TH TSP	+14.38
		04/97	H/L Special Interest	VOL		0.17	5TH TSP	+13.65
		04/97	H/L Special Interest	VOL		0.54	5TH TSP	+19.61
26	8	04/97	Bobbin	ODI	2	0.31	7TH TSP	+40.05
		04/97	Bobbin	ODI	8	0.44	10TH TSP	+33.79
		04/97	Bobbin	ODI	9	0.50	10TH TSP	+32.71
		04/97	Bobbin	ODI	19	0.39	10TH TSP	+33.24
26	11	04/97	Bobbin	ODI	5	1.12	2ND TSP	+20.66
26	19	04/97	Bobbin	ODI	17	0.20	7TH TSP	+5.76
		04/97	H/L Special Interest	VOL		0.36	7TH TSP	+5.62
26	20	04/97	Bobbin	ODI	26	0.20	7TH TSP	+26.25
26	24	04/97	Bobbin	NQI		0.62	12TH TSP	+6.11
		04/97	Bobbin	ODI	15	0.45	12TH TSP	+41.33
		04/97	C/L Special Interest	VOL		2.98	12TH TSP	+6.32
26	30	04/97	Bobbin	ODI	27	0.32	10TH TSP	+39.54
26	32	04/97	Bobbin	ODI	14	2.44	9TH TSP	+19.13
		04/97	Bobbin	ODI	2	0.83	18TH TSP	+5.26
26	41	04/97	Bobbin	ODI	17	1.22	17TH TSP	+12.17
26	50	04/97	Bobbin	ODI	1	0.58	2ND TSP	+18.46
26	69	04/97	Bobbin	ODI	7	1.63	7TH TSP	+15.01
26	70	04/97	Bobbin	NQI		0.21	10TH TSP	+40.93
26	71	04/97	Bobbin	ODI	19	0.38	10TH TSP	+43.41
26	74	04/97	Bobbin	ODI	21	0.73	5TH TSP	+30.35
		04/97	Bobbin	ODI	1	1.70	10TH TSP	+2.00
		04/97	Bobbin	ODI	10	1.50	12TH TSP	+23.74
		04/97	Bobbin	ODI	23	0.56	10TH TSP	+20.46
26	77	04/97	Bobbin	NQI		0.56	13TH TSP	-0.28
		04/97	C/L Special Interest	VOL		0.36	13TH TSP	+0.00
26	86	04/97	Bobbin	ODI	9	0.70	14TH TSP	+13.30
26	88	04/97	Bobbin	ODI	20	0.22	9TH TSP	-1.09
		04/97	Bobbin	ODI	16	0.57	11TH TSP	+17.25
26	89	04/97	Bobbin	ADI		1.33	16TH TSP	+13.27
		04/97	C/L Special Interest	VOL		0.36	16TH TSP	+13.07
26	90	04/97	Bobbin	NQI		0.50	14TH TSP	+6.71
		04/97	Bobbin	ODI	4	1.39	11TH TSP	+19.76

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	C/L Special Interest	VOL		0.77	14TH TSP +7.06
		04/97	C/L Special Interest	VOL		0.87	11TH TSP +18.64
26	95	04/97	Bobbin	ODI	11	0.41	10TH TSP +30.19
27	13	04/97	Bobbin	NQI		0.52	10TH TSP +28.88
		04/97	Bobbin	ODI	6	1.21	17TH TSP +2.68
		04/97	C/L Special Interest	VOL		1.50	10TH TSP +27.04
27	18	04/97	Bobbin	ODI	4	1.10	6TH TSP +10.29
		04/97	Bobbin	ODI	11	0.61	7TH TSP +23.88
		04/97	Bobbin	ODI	13	0.77	1ST TSP +2.38
		04/97	Bobbin	ODI	25	1.14	1ST TSP +23.94
		04/97	Bobbin	ODI	6	1.14	13TH TSP +15.46
27	19	04/97	Bobbin	ODI	22	0.39	11TH TSP +8.32
27	20	04/97	Bobbin	ODI	8	0.48	7TH TSP +22.26
27	24	04/97	Bobbin	ODI	27	0.79	16TH TSP +14.13
		04/97	C/L Special Interest	VOL		0.69	15TH TSP -3.56
27	32	04/97	Bobbin	ODI	8	0.57	11TH TSP +23.87
27	34	04/97	Bobbin	NQI		0.28	7TH TSP +39.20
		04/97	Bobbin	ODI	8	2.90	10TH TSP +28.38
		04/97	Bobbin	ODI	14	1.02	10TH TSP +31.50
27	39	04/97	Bobbin	ODI	11	0.37	10TH TSP +34.06
		04/97	Bobbin	ODI	23	0.26	10TH TSP +42.28
27	43	04/97	Bobbin	ODI	4	0.52	7TH TSP +9.31
27	49	04/97	Bobbin	ODI	5	0.91	7TH TSP +8.03
27	53	04/97	Bobbin	ODI	39	0.38	7TH TSP +41.93
		04/97	Bobbin	ODI	5	0.46	10TH TSP +27.75
		04/97	H/L Special Interest	VOL		0.87	8TH TSP -3.21
27	56	04/97	Bobbin	ODI	8	0.66	10TH TSP +43.67
27	81	04/97	Bobbin	ODI	1	0.32	7TH TSP +36.82
27	85	04/97	Bobbin	ODI	34	0.26	16TH TSP +12.95
27	87	04/97	Bobbin	ODI	35	0.53	5TH TSP +26.19
		04/97	H/L Special Interest	VOL		0.92	5TH TSP +26.01
27	93	04/97	Bobbin	ODI	3	0.44	10TH TSP +40.11
27	94	04/97	Bobbin	ODI	8	0.28	7TH TSP +42.91
		04/97	Bobbin	ODI	21	0.27	7TH TSP +43.99
27	96	04/97	Bobbin	NQI		0.19	10TH TSP +35.35
		04/97	Bobbin	ODI	17	0.19	10TH TSP +36.42
27	98	04/97	Bobbin	ODI	2	0.38	7TH TSP +44.05
		04/97	Bobbin	ODI	6	0.35	7TH TSP +42.12
		04/97	Bobbin	ODI	12	0.90	10TH TSP +38.56
27	99	04/97	Bobbin	ODI	9	0.34	10TH TSP +36.62
27	102	04/97	Bobbin	NQI		0.30	7TH TSP +24.78
		04/97	Bobbin	ODI	28	1.62	7TH TSP +30.82
		04/97	Bobbin	ODI	11	0.31	10TH TSP +38.15
		04/97	Bobbin	ODI	13	0.33	10TH TSP +41.28
		04/97	H/L Special Interest	VOL		1.93	7TH TSP +27.56
27	103	04/97	Bobbin	NQI		0.62	4TH TSP +24.34
		04/97	Bobbin	NQI		0.52	10TH TSP +39.84
27	104	04/97	Bobbin	NQI		0.69	13TH TSP +16.26
		04/97	Bobbin	ODI	21	0.36	12TH TSP +23.82
		04/97	C/L Special Interest	VOL		0.46	13TH TSP +15.41
		04/97	C/L Special Interest	VOL		0.68	13TH TSP +16.88
27	106	04/97	Bobbin	NQI		0.71	10TH TSP +41.12
		04/97	Bobbin	ODI	4	0.58	1ST TSP +24.53
		04/97	Bobbin	ODI	8	0.51	8TH TSP -1.55
27	107	04/97	Bobbin	ODI	13	0.61	8TH TSP -0.91
28	9	04/97	Bobbin	NQI		0.73	14TH TSP +5.68
		04/97	Bobbin	ODI	9	3.91	5TH TSP +39.13
		04/97	Bobbin	ODI	15	1.84	15TH TSP +8.19
		04/97	C/L Special Interest	VOL		3.98	14TH TSP +5.72
28	15	04/97	Bobbin	ODI	12	1.31	6TH TSP +33.36
		04/97	Bobbin	ODI	21	1.42	6TH TSP +30.38
28	18	04/97	Bobbin	ODI	7	0.43	7TH TSP +24.97
28	19	04/97	Bobbin	NQI		0.24	7TH TSP +25.33
		04/97	Bobbin	NQI		0.24	10TH TSP +30.40
		04/97	Bobbin	NQI		0.46	18TH TSP +8.00

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	14	0.29	7TH TSP	+26.20
		04/97	Bobbin	ODI	28	0.41	7TH TSP	+39.93
		04/97	C/L Special Interest	VOL		7.65	9TH TSP	-14.46
		04/97	H/L Special Interest	VOL		0.95	8TH TSP	-6.07
		04/97	C/L Special Interest	VOL		2.17	18TH TSP	+8.20
28	20	04/97	Bobbin	ODI	14	0.25	10TH TSP	+27.21
28	26	04/97	Bobbin	ODI	19	0.28	10TH TSP	+40.09
28	34	04/97	Bobbin	ODI	9	0.33	12TH TSP	+13.18
28	37	04/97	Bobbin	NQI		0.25	9TH TSP	-0.59
		04/97	Bobbin	NQI		0.26	10TH TSP	+38.86
		04/97	C/L Special Interest	VOL		5.04	9TH TSP	+5.80
28	42	04/97	Bobbin	ODI	28	0.54	10TH TSP	+38.15
28	45	04/97	Bobbin	NQI		0.69	14TH TSP	+2.36
		04/97	Bobbin	ODI	20	0.99	5TH TSP	+25.14
		04/97	Bobbin	ODI	31	1.32	5TH TSP	+8.08
		04/97	Bobbin	ODI	3	0.57	14TH TSP	+8.90
		04/97	C/L Special Interest	VOL		1.48	14TH TSP	+3.88
		04/97	C/L Special Interest	VOL		3.20	14TH TSP	+2.49
28	48	04/97	Bobbin	NQI		1.32	5TH TSP	+6.74
		04/97	Bobbin	NQI		0.81	13TH TSP	+35.55
		04/97	Bobbin	NQI		0.83	12TH TSP	+38.82
		04/97	Bobbin	NQI		0.93	13TH TSP	+36.43
		04/97	Bobbin	NQI		1.00	17TH TSP	+15.10
		04/97	H/L Special Interest	VOL		0.62	5TH TSP	+6.74
		04/97	H/L Special Interest	VOL		0.83	5TH TSP	+7.27
		04/97	C/L Special Interest	VOL		3.07	12TH TSP	-4.57
		04/97	C/L Special Interest	VOL		3.08	17TH TSP	+15.24
		04/97	C/L Special Interest	VOL		3.13	11TH TSP	-4.56
28	52	04/97	Bobbin	ADI		0.57	12TH TSP	+18.03
28	53	04/97	Bobbin	ODI	8	0.58	18TH TSP	+3.53
		04/97	Bobbin	ODI	9	0.71	18TH TSP	+2.49
28	60	04/97	Bobbin	ODI	3	0.54	11TH TSP	+23.79
28	63	04/97	Bobbin	ODI	22	0.63	TTS-HL	+6.51
		04/97	Bobbin	ODI	9	1.50	1ST TSP	+6.95
		04/97	Bobbin	ODI	10	0.45	1ST TSP	+9.63
28	64	04/97	Bobbin	ODI	7	0.47	6TH TSP	+14.07
		04/97	H/L Special Interest	VOL		0.60	6TH TSP	+14.44
		04/97	H/L Special Interest	VOL		0.98	6TH TSP	+6.69
28	72	04/97	Bobbin	NQI		0.53	6TH TSP	+9.02
		04/97	Bobbin	NQI		0.33	17TH TSP	+4.54
		04/97	Bobbin	ODI	26	0.87	6TH TSP	+6.37
		04/97	H/L Special Interest	VOL		0.51	6TH TSP	+9.19
		04/97	H/L Special Interest	VOL		0.73	6TH TSP	+6.56
		04/97	C/L Special Interest	VOL		0.33	17TH TSP	+4.97
28	74	04/97	Bobbin	NQI		0.93	10TH TSP	+7.19
		04/97	C/L Special Interest	VOL		0.33	10TH TSP	+17.20
		04/97	C/L Special Interest	VOL		0.69	10TH TSP	+7.36
28	78	04/97	Bobbin	ODI	3	0.86	13TH TSP	+28.65
		04/97	Bobbin	ODI	7	1.03	13TH TSP	+24.71
28	88	04/97	Bobbin	NQI		0.63	4TH TSP	+19.82
		04/97	Bobbin	ODI	7	0.99	13TH TSP	+23.50
		04/97	Bobbin	ODI	8	1.75	13TH TSP	+26.24
		04/97	H/L Special Interest	VOL		0.41	4TH TSP	+18.94
28	95	04/97	Bobbin	ODI	2	0.25	5TH TSP	+25.13
28	96	04/97	Bobbin	ODI	15	0.99	16TH TSP	+9.74
		04/97	C/L Special Interest	VOL		0.59	16TH TSP	+9.66
28	99	04/97	Bobbin	ODI	19	0.40	7TH TSP	+41.56
		04/97	Bobbin	ODI	26	0.62	10TH TSP	+33.50
28	100	04/97	Bobbin	NQI		0.26	7TH TSP	+39.46
		04/97	Bobbin	ODI	7	0.55	7TH TSP	+42.66
28	103	04/97	Bobbin	ODI	22	0.24	7TH TSP	+32.56
28	105	04/97	Bobbin	NQI		0.22	10TH TSP	+32.47
		04/97	Bobbin	ODI	18	0.38	6TH TSP	+36.86
		04/97	C/L Special Interest	VOL		0.44	9TH TSP	-12.59
29	11	04/97	Bobbin	ODI	10	0.41	10TH TSP	+35.18

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
29	18	04/97	Bobbin	NQI		0.20	10TH TSP	+33.81	
		04/97	Bobbin	ODI	6	0.79	7TH TSP	+19.56	
		04/97	Bobbin	ODI	10	0.44	10TH TSP	+35.16	
29	20	04/97	Bobbin	QDI	6	0.60	10TH TSP	+36.81	
29	22	04/97	Bobbin	ODI	18	0.59	3RD TSP	+15.42	
29	23	04/97	Bobbin	ODI	31	0.57	13TH TSP	+40.26	
29	27	04/97	Bobbin	ODI	10	0.24	10TH TSP	+38.08	
29	28	04/97	Bobbin	ODI	1	0.22	TTS-HL	+0.94	
		04/97	Bobbin	ODI	26	0.29	TTS-HL	+0.95	
		04/97	Bobbin	NQI		0.24	10TH TSP	+43.57	
		04/97	Bobbin	ODI	1	1.10	10TH TSP	+40.31	
		04/97	Bobbin	ODI	24	0.24	10TH TSP	+32.79	
		04/97	C/L Special Interest	VOL		4.49	9TH TSP	-5.65	
		04/97	C/L Special Interest	VOL		14.64	9TH TSP	-4.48	
29	31	04/97	Bobbin	NQI		0.43	9TH TSP	+1.23	
		04/97	Bobbin	ODI	13	0.24	10TH TSP	+36.17	
		04/97	Bobbin	ODI	19	0.38	10TH TSP	+27.96	
29	32	04/97	Bobbin	ODI	8	0.90	7TH TSP	+40.16	
		04/97	Bobbin	ODI	19	0.44	10TH TSP	+34.50	
29	39	04/97	Bobbin	ODI	4	1.03	12TH TSP	+13.20	
		04/97	C/L Special Interest	VOL		0.54	12TH TSP	+13.62	
29	40	04/97	Bobbin	NQI		0.41	10TH TSP	+41.19	
		04/97	Bobbin	ODI	5	0.41	10TH TSP	+38.44	
		04/97	C/L Special Interest	VOL		1.63	9TH TSP	-5.73	
		04/97	C/L Special Interest	VOL		5.03	9TH TSP	-4.82	
		04/97	C/L Special Interest	VOL		9.19	9TH TSP	-3.59	
29	48	04/97	Bobbin	ODI	1	0.93	8TH TSP	-1.46	
29	50	04/97	Bobbin	ODI	18	0.99	13TH TSP	+10.10	
29	52	04/97	Bobbin	ODI	11	0.83	1ST TSP	+15.12	
29	53	04/97	Bobbin	ODI	18	0.82	13TH TSP	+34.35	
29	54	04/97	Bobbin	ODI	20	0.39	10TH TSP	+43.67	
29	61	04/97	Bobbin	ODI	17	1.16	14TH TSP	+1.09	
29	78	04/97	Bobbin	ODI	24	0.87	5TH TSP	+2.74	
29	82	04/97	Bobbin	ODI	10	1.07	17TH TSP	+4.46	
29	84	04/97	Bobbin	NQI		0.28	10TH TSP	+19.77	
		04/97	C/L Special Interest	VOL		0.29	10TH TSP	+19.21	
29	92	04/97	Bobbin	NQI		0.16	12TH TSP	+9.30	
29	94	04/97	Bobbin	ODI	17	0.68	10TH TSP	+20.44	
29	100	04/97	Bobbin	ODI	14	1.51	6TH TSP	+6.33	
		04/97	Bobbin	ODI	2	0.99	17TH TSP	+4.41	
		04/97	Bobbin	ODI	8	0.73	14TH TSP	+7.98	
		04/97	C/L Special Interest	VOL		0.27	14TH TSP	+7.97	
		04/97	C/L Special Interest	VOL		0.48	17TH TSP	+4.41	
29	104	04/97	Bobbin	NQI		0.23	7TH TSP	+10.93	
		04/97	Bobbin	ODI	11	0.38	7TH TSP	+32.13	
		04/97	Bobbin	ODI	26	0.17	7TH TSP	+30.99	
30	11	04/97	Bobbin	NQI		0.40	7TH TSP	+26.41	
		04/97	H/L Special Interest	VOL		0.53	7TH TSP	+24.11	
30	12	04/97	Bobbin	ODI	3	0.90	10TH TSP	+42.09	
		04/97	Bobbin	ODI	8	0.41	15TH TSP	+13.13	
		04/97	Bobbin	ODI	18	0.22	15TH TSP	+5.93	
30	13	04/97	Bobbin	ADI		1.25	4TH TSP	+6.02	
		04/97	Bobbin	ODI	1	0.86	11TH TSP	+31.05	
		04/97	Bobbin	ODI	20	0.72	12TH TSP	+11.86	
30	15	04/97	Bobbin	ODI	12	0.50	18TH TSP	+12.02	
30	17	04/97	Bobbin	ODI	11	0.80	12TH TSP	+14.34	
30	18	04/97	Bobbin	ODI	10	0.49	3AVB	+5.13	
		04/97	Bobbin	ADI		0.38	14TH TSP	+13.14	
		04/97	Bobbin	ODI	13	0.25	3RD TSP	+19.50	
		04/97	Bobbin	ODI	26	0.41	6TH TSP	+10.64	
		04/97	Bobbin	ODI	33	0.33	3RD TSP	+12.79	
		04/97	Bobbin	ODI	13	0.28	11TH TSP	+29.45	
		04/97	Bobbin	ODI	17	0.39	17TH TSP	+6.43	
		04/97	C/L Special Interest	VOL		0.36	13TH TSP	-5.55	
30	19	04/97	Bobbin	NQI		0.14	12TH TSP	+37.49	

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
30	29	04/97	Bobbin	ODI	18	0.67	9TH TSP +1.19
		04/97	Bobbin	ODI	19	0.67	10TH TSP +38.49
		04/97	Bobbin	ODI	24	0.32	13TH TSP +15.50
30	31	04/97	Bobbin	ODI	11	0.17	10TH TSP +39.60
		04/97	Bobbin	ODI	25	0.52	19TH TSP +3.38
30	34	04/97	Bobbin	ODI	9	0.37	10TH TSP +29.28
30	35	04/97	Bobbin	ODI	11	0.60	7TH TSP +43.57
30	36	04/97	Bobbin	ODI	17	0.41	13TH TSP +32.90
30	37	04/97	Bobbin	ODI	23	0.17	7TH TSP +10.12
30	41	04/97	Bobbin	ODI	4	1.16	1ST TSP +17.84
		04/97	Bobbin	ODI	5	1.02	3RD TSP +30.83
		04/97	Bobbin	ODI	11	1.36	13TH TSP +4.68
		04/97	C/L Special Interest	VOL		0.45	13TH TSP +5.11
30	48	04/97	Bobbin	ODI	14	0.90	1ST TSP +13.92
30	49	04/97	Bobbin	ODI	16	0.89	4TH TSP +39.38
		04/97	H/L Special Interest	VOL		0.45	5TH TSP -4.21
30	51	04/97	Bobbin	ODI	7	0.65	10TH TSP +39.32
30	56	04/97	Bobbin	NQI		0.24	13TH TSP +27.79
		04/97	Bobbin	ODI	1	0.66	15TH TSP +2.45
		04/97	Bobbin	ODI	6	0.77	13TH TSP +15.76
		04/97	Bobbin	ODI	18	0.33	11TH TSP +9.78
		04/97	C/L Special Interest	VOL		3.15	13TH TSP +27.76
30	61	04/97	Bobbin	ODI	10	0.63	12TH TSP +7.22
		04/97	Bobbin	ODI	14	1.04	12TH TSP +21.68
30	62	04/97	Bobbin	ODI	8	0.30	10TH TSP +35.43
30	66	04/97	Bobbin	ODI	12	1.27	14TH TSP +9.34
30	68	04/97	Bobbin	ODI	21	0.32	1ST TSP +22.87
		04/97	Bobbin	ODI	10	0.56	11TH TSP +21.92
		04/97	Bobbin	ODI	11	0.39	10TH TSP +41.11
30	80	04/97	Bobbin	ODI	9	0.21	11TH TSP +20.23
30	83	04/97	Bobbin	ODI	23	1.68	5TH TSP +29.19
		04/97	Bobbin	ODI	23	2.03	5TH TSP +35.00
		04/97	Bobbin	ODI	27	0.86	5TH TSP +31.14
30	88	04/97	Bobbin	ODI	24	0.84	12TH TSP +27.42
		04/97	C/L Special Interest	VOL		0.56	12TH TSP +27.38
30	96	04/97	Bobbin	NQI		0.38	10TH TSP +10.26
		04/97	Bobbin	ODI	30	0.68	4TH TSP +31.71
		04/97	H/L Special Interest	VOL		1.24	5TH TSP -11.53
30	97	04/97	Bobbin	ODI	12	0.51	2ND TSP +33.33
		04/97	H/L Special Interest	VOL		0.49	3RD TSP -2.44
30	102	04/97	Bobbin	ODI	18	0.28	11TH TSP +10.14
30	103	04/97	Bobbin	NQI		1.23	6TH TSP +29.38
		04/97	Bobbin	ODI	14	1.47	15TH TSP +13.06
30	105	04/97	Bobbin	ODI	23	0.40	11TH TSP +11.00
31	13	04/97	Bobbin	ODI	11	0.28	9TH TSP -1.17
31	18	04/97	Bobbin	ODI	10	0.32	9TH TSP -1.57
		04/97	Bobbin	ODI	19	0.32	7TH TSP +39.54
		04/97	Bobbin	ODI	16	0.56	10TH TSP +36.32
		04/97	H/L Special Interest	VOL		0.39	8TH TSP -4.83
31	22	04/97	Bobbin	ODI	7	0.73	7TH TSP +35.61
		04/97	Bobbin	ODI	23	0.52	7TH TSP +25.82
31	33	04/97	Bobbin	ODI	4	0.57	7TH TSP +32.64
		04/97	Bobbin	ODI	22	0.43	7TH TSP +21.63
31	34	04/97	Bobbin	ODI	4	0.48	12TH TSP +11.19
		04/97	Bobbin	ODI	13	0.35	10TH TSP +37.32
31	35	04/97	Bobbin	ADI		2.66	12TH TSP +39.59
		04/97	Bobbin	NQI		0.23	10TH TSP +37.85
		04/97	Bobbin	ODI	4	1.99	19TH TSP +4.61
31	40	04/97	Bobbin	ODI	19	0.51	7TH TSP +28.24
31	44	04/97	Bobbin	ODI	20	1.54	16TH TSP +13.74
31	48	04/97	Bobbin	ODI	4	0.33	10TH TSP +37.24
		04/97	Bobbin	ODI	10	0.69	10TH TSP +8.03
31	51	04/97	Bobbin	ODI	20	0.45	8TH TSP -1.49
31	52	04/97	Bobbin	ODI	15	0.68	7TH TSP +17.36
		04/97	Bobbin	ODI	16	1.04	7TH TSP +18.25

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	29	0.21	7TH TSP	+2.97
31	53	04/97	Bobbin	ODI	4	0.66	10TH TSP	+43.41
31	55	04/97	Bobbin	ODI	5	0.78	7TH TSP	+37.17
		04/97	Bobbin	ODI	13	0.60	7TH TSP	+26.10
		04/97	Bobbin	ODI	14	1.06	5TH TSP	+18.02
		04/97	Bobbin	ODI	20	0.51	7TH TSP	+36.04
		04/97	Bobbin	ODI	13	0.75	17TH TSP	+9.03
		04/97	Bobbin	ODI	18	0.42	13TH TSP	+15.47
		04/97	C/L Special Interest	VOL		0.35	17TH TSP	+8.51
31	67	04/97	Bobbin	ODI	20	0.27	10TH TSP	+42.05
31	68	04/97	Bobbin	ODI	9	1.39	5TH TSP	+21.28
31	73	04/97	Bobbin	ODI	16	1.11	15TH TSP	+13.00
31	75	04/97	Bobbin	ODI	4	1.55	11TH TSP	+14.83
31	81	04/97	Bobbin	ADI		1.99	11TH TSP	+27.31
		04/97	Bobbin	NQI		1.17	11TH TSP	+26.06
		04/97	Bobbin	ODI	9	0.62	7TH TSP	+5.54
		04/97	C/L Special Interest	VOL		1.00	11TH TSP	+27.30
		04/97	C/L Special Interest	VOL		1.43	11TH TSP	+26.38
31	82	04/97	Bobbin	ADI		2.24	3RD TSP	+10.19
		04/97	Bobbin	ODI	7	0.56	7TH TSP	+19.54
		04/97	H/L Special Interest	VOL		0.89	3RD TSP	+10.33
31	92	04/97	Bobbin	ODI	3	1.09	9TH TSP	-0.57
31	94	04/97	Bobbin	NQI		0.28	10TH TSP	+42.67
		04/97	Bobbin	ODI	15	0.23	7TH TSP	+31.78
31	96	04/97	Bobbin	ODI	17	1.07	4AVB	+2.84
31	97	04/97	Bobbin	ODI	3	0.29	TTS-CL	+3.57
31	99	04/97	Bobbin	ODI	6	1.08	10TH TSP	+9.81
		04/97	Bobbin	ODI	12	1.10	13TH TSP	+26.69
		04/97	C/L Special Interest	VOL		0.75	10TH TSP	+9.81
31	102	04/97	Bobbin	ODI	8	0.25	7TH TSP	+39.12
31	103	04/97	Bobbin	WAR	22	1.15	2AVB	+0.00
31	104	04/97	Bobbin	ODI	19	0.61	19TH TSP	+1.54
		04/97	Bobbin	ODI	28	0.41	19TH TSP	+3.97
		04/97	Bobbin	ODI	35	0.68	19TH TSP	+3.41
		04/97	C/L Special Interest	VOL		0.75	18TH TSP	-8.52
		04/97	C/L Special Interest	VOL		0.77	18TH TSP	-6.64
32	13	04/97	Bobbin	ODI	22	0.49	15TH TSP	+4.37
32	34	04/97	Bobbin	ODI	8	0.83	11TH TSP	+32.12
32	38	04/97	Bobbin	NQI		0.11	6TH TSP	+22.42
32	45	04/97	Bobbin	NQI		0.93	3RD TSP	+14.13
		04/97	H/L Special Interest	VOL		1.14	3RD TSP	+13.90
32	48	04/97	Bobbin	NQI		0.26	7TH TSP	+35.19
		04/97	Bobbin	NQI		0.27	7TH TSP	+23.65
32	50	04/97	Bobbin	ODI	9	0.54	13TH TSP	+15.92
32	55	04/97	Bobbin	ODI	11	1.17	6TH TSP	+11.69
		04/97	Bobbin	ODI	4	0.63	10TH TSP	+26.31
32	70	04/97	Bobbin	NQI		0.57	13TH TSP	+18.09
32	79	04/97	Bobbin	ADI		4.84	7TH TSP	+34.39
		04/97	Bobbin	ADI		1.97	12TH TSP	+12.26
		04/97	Bobbin	ADI		0.77	17TH TSP	+4.90 to +12.29
32	81	04/97	Bobbin	ODI	3	0.52	13TH TSP	+28.96
32	82	04/97	Bobbin	ADI		1.44	12TH TSP	+34.83
32	83	04/97	Bobbin	ODI	19	0.39	2ND TSP	+27.26
		04/97	Bobbin	ODI	2	0.38	16TH TSP	+13.25
32	87	04/97	Bobbin	ODI	17	0.62	4TH TSP	+25.80
32	88	04/97	Bobbin	NQI		0.47	12TH TSP	+33.23
		04/97	C/L Special Interest	VOL		0.66	11TH TSP	-10.16
32	89	04/97	Bobbin	ODI	19	1.12	12TH TSP	+9.05
32	90	04/97	Bobbin	ODI	8	0.95	4TH TSP	+32.50
32	94	04/97	Bobbin	ODI	1	0.54	14TH TSP	+7.54
		04/97	Bobbin	ODI	12	0.31	11TH TSP	+39.92
		04/97	Bobbin	ODI	16	0.37	10TH TSP	+2.93
32	97	04/97	Bobbin	ODI	17	0.86	7TH TSP	+39.40
32	100	04/97	Bobbin	NQI		0.45	12TH TSP	+22.54
32	103	04/97	Bobbin	ODI	4	0.52	10TH TSP	+36.79

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
33	12	04/97	Bobbin	ODI	15	1.07	11TH TSP	+6.67
33	15	04/97	Bobbin	ODI	28	0.60	2ND TSP	+8.15
33	17	04/97	Bobbin	ODI	8	1.56	15TH TSP	+2.18
33	22	04/97	Bobbin	ODI	29	0.88	7TH TSP	+29.76
33	23	04/97	Bobbin	ODI	12	0.45	10TH TSP	+34.03
33	24	04/97	Bobbin	ODI	28	0.52	13TH TSP	+40.96
33	25	04/97	Bobbin	ODI	6	0.85	7TH TSP	+31.97
		04/97	Bobbin	ODI	21	0.28	10TH TSP	+35.17
33	28	04/97	Bobbin	NQI		0.24	10TH TSP	+42.92
		04/97	Bobbin	ODI	15	0.45	18TH TSP	+1.52
		04/97	Bobbin	ODI	33	0.48	18TH TSP	+42.98
33	36	04/97	Bobbin	ODI	2	0.61	10TH TSP	+36.33
33	41	04/97	Bobbin	ODI	12	1.01	10TH TSP	+14.34
33	42	04/97	Bobbin	ODI	9	1.61	2ND TSP	+34.06
		04/97	Bobbin	ODI	19	0.89	3RD TSP	+7.41
33	44	04/97	Bobbin	ODI	7	0.55	13TH TSP	+1.71
		04/97	Bobbin	ODI	8	0.70	16TH TSP	+5.39
		04/97	C/L Special Interest	VOL		0.73	16TH TSP	+5.92
33	47	04/97	Bobbin	ODI	5	1.11	14TH TSP	+8.81
		04/97	C/L Special Interest	VOL		0.34	14TH TSP	+9.49
33	51	04/97	Bobbin	ODI	12	0.56	11TH TSP	+26.20
		04/97	Bobbin	ODI	18	0.84	13TH TSP	+9.96
33	59	04/97	Bobbin	ODI	27	0.20	7TH TSP	+23.07
33	63	04/97	Bobbin	ODI	20	0.50	2ND TSP	+4.69
33	70	04/97	Bobbin	ODI	6	0.25	10TH TSP	+27.06
		04/97	Bobbin	ODI	15	0.35	10TH TSP	+26.57
33	82	04/97	Bobbin	ODI	17	1.08	4AVB	+19.41
33	93	04/97	Bobbin	WAR	8	0.31	2AVB	+0.00
33	101	04/97	Bobbin	ODI	29	0.22	19TH TSP	+5.64
33	102	04/97	Bobbin	NQI		0.25	10TH TSP	+22.88
34	14	04/97	Bobbin	ODI	10	0.41	7TH TSP	-1.25
		04/97	Bobbin	ODI	16	0.99	7TH TSP	+20.81
		04/97	Bobbin	ODI	15	0.49	11TH TSP	+34.29
		04/97	Bobbin	ODI	15	0.57	11TH TSP	+33.69
34	16	04/97	Bobbin	ODI	11	0.76	7TH TSP	+30.49
		04/97	Bobbin	ODI	14	0.56	11TH TSP	+29.93
34	17	04/97	Bobbin	NQI		0.12	7TH TSP	+26.35
		04/97	Bobbin	ODI	4	0.20	7TH TSP	+27.46
		04/97	Bobbin	ODI	27	0.70	10TH TSP	+34.65
34	18	04/97	Bobbin	ADI		2.43	2ND TSP	+33.78
		04/97	Bobbin	ODI	38	0.38	18TH TSP	+9.51
		04/97	H/L Special Interest	VOL		0.89	3RD TSP	-1.99
34	21	04/97	Bobbin	ODI	19	0.27	6TH TSP	+26.93
34	22	04/97	Bobbin	ADI		2.16	17TH TSP	+10.61
		04/97	Bobbin	ODI	3	0.85	10TH TSP	+17.13
		04/97	Bobbin	ODI	18	0.59	17TH TSP	+4.48
		04/97	C/L Special Interest	VOL		0.59	16TH TSP	-8.09
34	23	04/97	Bobbin	ODI	15	0.28	7TH TSP	+25.26
		04/97	Bobbin	ODI	16	0.52	10TH TSP	+6.24
		04/97	Bobbin	ODI	20	0.33	10TH TSP	+33.06
34	25	04/97	Bobbin	ODI	22	0.21	7TH TSP	+20.57
34	27	04/97	Bobbin	ODI	1	0.60	7TH TSP	+35.41
34	34	04/97	Bobbin	NQI		0.36	16TH TSP	+14.05
		04/97	Bobbin	ODI	12	0.36	17TH TSP	+13.39
		04/97	C/L Special Interest	VOL		0.47	15TH TSP	-4.18
34	39	04/97	Bobbin	ODI	11	1.26	9TH TSP	+1.33
34	42	04/97	Bobbin	ODI	5	1.45	1ST TSP	+16.08
34	45	04/97	Bobbin	ADI		2.52	10TH TSP	+11.24
		04/97	C/L Special Interest	VOL		0.78	10TH TSP	+10.23
34	52	04/97	Bobbin	ODI	23	1.26	2ND TSP	+33.63
34	55	04/97	Bobbin	ADI		0.26	6TH TSP	+39.39
		04/97	Bobbin	NQI		0.23	11TH TSP	+22.58
		04/97	Bobbin	ODI	8	0.48	6TH TSP	+19.88
		04/97	Bobbin	ODI	21	0.57	6TH TSP	+35.32
		04/97	Bobbin	ODI	22	0.43	6TH TSP	+38.38

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	29	0.18	6TH TSP	+14.71
		04/97	Bobbin	ODI	29	0.28	6TH TSP	+19.65
		04/97	Bobbin	ODI	39	0.32	6TH TSP	+35.65
		04/97	C/L Special Interest	VOL		0.86	11TH TSP	+22.32
34	61	04/97	Bobbin	ADI		4.75	2ND TSP	+13.12
34	63	04/97	Bobbin	ODI	13	0.92	2ND TSP	+9.55
34	69	04/97	Bobbin	WAR	28	1.77	2AVB	+0.00
34	70	04/97	Bobbin	ODI	5	0.36	7TH TSP	+1.28
		04/97	Bobbin	ODI	14	0.47	7TH TSP	+18.92
		04/97	Bobbin	ODI	28	0.30	7TH TSP	+26.15
		04/97	Bobbin	ODI	5	0.28	10TH TSP	+20.41
		04/97	Bobbin	ODI	17	0.23	10TH TSP	+38.88
		04/97	Bobbin	ODI	17	0.36	10TH TSP	+37.18
34	85	04/97	Bobbin	ODI	19	2.14	12TH TSP	+4.63
34	92	04/97	Bobbin	ODI	4	0.61	13TH TSP	+33.26
34	96	04/97	Bobbin	ODI	6	1.71	17TH TSP	+8.32
		04/97	C/L Special Interest	VOL		1.27	17TH TSP	+8.32
35	15	04/97	Bobbin	ODI	11	0.70	7TH TSP	+25.69
		04/97	Bobbin	ODI	12	0.67	7TH TSP	+28.33
		04/97	Bobbin	ODI	31	0.24	7TH TSP	+21.81
35	16	04/97	U-Bend	VOL		0.07	4AVB	+0.08
		04/97	U-Bend	VOL		0.12	2AVB	+0.00
		04/97	U-Bend	VOL		0.13	3AVB	+0.00
		04/97	Bobbin	WAR	16	0.45	2AVB	+0.00
		04/97	Bobbin	WAR	17	0.46	3AVB	+0.00
		04/97	Bobbin	ODI	23	0.79	7TH TSP	+37.80
35	19	04/97	Bobbin	NQI		0.44	9TH TSP	+0.70
		04/97	Bobbin	NQI		0.18	10TH TSP	+32.34
		04/97	Bobbin	ODI	4	0.37	10TH TSP	+31.62
35	21	04/97	Bobbin	ODI	11	0.75	6TH TSP	+26.74
		04/97	Bobbin	ODI	14	1.01	12TH TSP	+19.81
35	25	04/97	Bobbin	ODI	25	0.28	7TH TSP	+18.02
35	26	04/97	Bobbin	ODI	11	0.17	4TH TSP	+17.91
		04/97	Bobbin	ODI	11	0.66	1ST TSP	+26.62
35	27	04/97	Bobbin	ADI		1.52	3RD TSP	+23.74
35	28	04/97	Bobbin	WAR	23	0.72	3AVB	+0.00
35	30	04/97	Bobbin	ODI	16	0.60	9TH TSP	+27.83
		04/97	Bobbin	ODI	24	0.32	10TH TSP	+33.33
35	32	04/97	Bobbin	NQI		0.82	7TH TSP	+20.69
		04/97	Bobbin	ODI	17	1.58	11TH TSP	+35.86
		04/97	Bobbin	ODI	20	0.51	11TH TSP	+37.73
		04/97	Bobbin	ODI	31	1.17	11TH TSP	+36.39
		04/97	H/L Special Interest	VOL		0.68	7TH TSP	+19.22
35	33	04/97	Bobbin	ODI	13	0.51	7TH TSP	+43.46
35	51	04/97	Bobbin	NQI		0.28	7TH TSP	+40.68
		04/97	Bobbin	ODI	18	0.79	10TH TSP	+15.34
		04/97	C/L Special Interest	VOL		0.38	10TH TSP	+14.82
35	74	04/97	Bobbin	ODI	30	1.46	8TH TSP	+4.74
		04/97	Bobbin	ODI	7	0.82	10TH TSP	+13.41
35	100	04/97	Bobbin	NQI		0.66	7TH TSP	+33.36
		04/97	Bobbin	NQI		0.38	14TH TSP	+5.83
		04/97	Bobbin	ODI	8	1.34	14TH TSP	+7.25
		04/97	Bobbin	ODI	22	0.48	14TH TSP	+13.45
		04/97	C/L Special Interest	VOL		0.39	14TH TSP	+1.41
		04/97	C/L Special Interest	VOL		0.41	14TH TSP	+5.91
		04/97	C/L Special Interest	VOL		0.62	14TH TSP	+7.39
35	101	04/97	Bobbin	ODI	17	0.40	18TH TSP	+1.59
36	21	04/97	Bobbin	ODI	19	0.33	18TH TSP	+0.77
36	27	04/97	Bobbin	ODI	7	0.67	11TH TSP	+15.22
		04/97	Bobbin	ODI	13	0.52	11TH TSP	+28.89
		04/97	Bobbin	ODI	22	0.47	12TH TSP	+30.50
36	32	04/97	Bobbin	ADI		1.71	17TH TSP	+13.71
		04/97	C/L Special Interest	VOL		0.40	16TH TSP	-4.49
36	52	04/97	Bobbin	ODI	4	0.91	11TH TSP	+22.44
36	79	04/97	Bobbin	ODI	18	0.31	10TH TSP	+38.88

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	19	0.34	10TH TSP	+41.62
36	90	04/97	Bobbin	ADI		1.86	12TH TSP	+37.75
		04/97	C/L Special Interest	VOL		0.58	11TH TSP	-5.94
36	98	04/97	Bobbin	ODI	1	0.28	8TH TSP	+0.60
		04/97	Bobbin	ODI	10	0.22	6TH TSP	+18.94
36	100	04/97	Bobbin	ODI	28	0.36	7TH TSP	+39.70
37	22	04/97	Bobbin	ODI	11	1.64	12TH TSP	+15.84
		04/97	Bobbin	ODI	18	0.78	15TH TSP	+12.11
37	23	04/97	Bobbin	ODI	12	2.53	12TH TSP	+17.66
		04/97	Bobbin	ODI	26	0.67	10TH TSP	+30.60
		04/97	Bobbin	ODI	38	0.59	12TH TSP	+32.10
		04/97	C/L Special Interest	VOL		1.09	11TH TSP	-10.91
37	25	04/97	Bobbin	ODI	5	0.39	11TH TSP	+36.17
37	27	04/97	Bobbin	WAR	15	0.39	2AVB	+0.00
37	31	04/97	Bobbin	ODI	1	1.18	19TH TSP	+6.21
37	42	04/97	Bobbin	ODI	8	0.36	17TH TSP	+12.19
37	44	04/97	Bobbin	ODI	13	0.58	12TH TSP	+33.66
37	49	04/97	Bobbin	ODI	22	2.30	9TH TSP	+16.87
37	54	04/97	Bobbin	NQI		0.32	7TH TSP	+17.12
37	56	04/97	Bobbin	ODI	37	0.55	5TH TSP	+27.07
		04/97	H/L Special Interest	VOL		0.71	5TH TSP	+26.93
37	62	04/97	Bobbin	ODI	9	0.31	6TH TSP	+26.00
37	65	04/97	Bobbin	ODI	22	1.01	1ST TSP	+24.98
37	66	04/97	Bobbin	ODI	17	0.47	3RD TSP	+10.79
		04/97	Bobbin	ODI	26	0.55	8TH TSP	-1.12
37	71	04/97	Bobbin	NQI		0.81	2ND TSP	+13.76
37	93	04/97	Bobbin	ODI	5	0.23	17TH TSP	+15.25
37	97	04/97	Bobbin	ODI	15	0.99	7TH TSP	+22.28
		04/97	H/L Special Interest	VOL		0.79	7TH TSP	+22.66
37	99	04/97	Bobbin	NQI		0.19	7TH TSP	+29.64
		04/97	Bobbin	ODI	26	0.26	7TH TSP	+11.98
		04/97	Bobbin	ODI	3	0.60	10TH TSP	+23.80
38	16	04/97	Bobbin	ODI	3	0.29	7TH TSP	+26.17
		04/97	Bobbin	ODI	30	0.44	7TH TSP	+15.72
38	17	04/97	Bobbin	WAR	20	1.03	3AVB	+0.00
38	18	04/97	Bobbin	ODI	18	0.76	7TH TSP	+42.43
38	19	04/97	Bobbin	NQI		0.19	7TH TSP	+29.97
		04/97	Bobbin	ADI		0.35	10TH TSP	+34.86
		04/97	Bobbin	ODI	1	1.26	7TH TSP	+32.01
38	20	04/97	Bobbin	ODI	15	0.38	7TH TSP	+39.46
		04/97	Bobbin	ODI	16	0.68	7TH TSP	+37.68
38	28	04/97	Bobbin	ODI	22	0.68	7TH TSP	+33.39
38	31	04/97	Bobbin	NQI		0.33	7TH TSP	+21.83
38	35	04/97	Bobbin	ADI		1.36	17TH TSP	+11.28
		04/97	C/L Special Interest	VOL		1.00	17TH TSP	+11.35
38	36	04/97	Bobbin	ODI	6	1.13	17TH TSP	+13.89
		04/97	Bobbin	ODI	22	0.59	13TH TSP	+4.83
		04/97	Bobbin	ODI	29	0.85	14TH TSP	+12.77
38	41	04/97	Bobbin	ODI	16	0.27	10TH TSP	+22.49
38	44	04/97	Bobbin	NQI		1.37	2ND TSP	+20.61
		04/97	Bobbin	ODI	16	0.70	4TH TSP	+30.44
		04/97	H/L Special Interest	VOL		1.40	3RD TSP	-15.50
38	46	04/97	Bobbin	ODI	36	0.44	18TH TSP	+1.15
38	50	04/97	Bobbin	ODI	26	0.51	10TH TSP	+19.12
38	51	04/97	Bobbin	ODI	7	0.51	14TH TSP	+10.07
38	53	04/97	Bobbin	ODI	18	1.91	11TH TSP	+25.30
38	55	04/97	Bobbin	ADI		0.46	6TH TSP	+35.91
		04/97	Bobbin	NQI		0.32	6TH TSP	+34.98
38	64	04/97	Bobbin	ODI	36	0.52	5TH TSP	+27.77
		04/97	H/L Special Interest	VOL		0.72	5TH TSP	+27.34
38	74	04/97	Bobbin	ODI	10	0.47	10TH TSP	+41.24
38	84	04/97	Bobbin	ODI	17	0.47	9TH TSP	-0.85
38	93	04/97	Bobbin	WAR	14	0.61	2AVB	+0.00
38	96	04/97	U-Bend	VOL		2.64	2AVB	+0.00
		04/97	Bobbin	WAR	20	0.99	2AVB	+0.00

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
38	97	04/97	Bobbin	WAR	12	0.50	4AVB	+0.00
		04/97	Bobbin	WAR	17	0.75	3AVB	+0.00
		04/97	Bobbin	WAR	26	1.54	2AVB	+0.00
		04/97	Bobbin	ODI	12	0.23	19TH TSP	+7.58
38	98	04/97	U-Bend	VOL		0.13	3AVB	+0.00
		04/97	U-Bend	VOL		0.17	2AVB	+0.00
		04/97	Bobbin	WAR	8	0.31	3AVB	+0.00
		04/97	Bobbin	WAR	10	0.38	2AVB	+0.00
39	21	04/97	Bobbin	ODI	13	0.35	10TH TSP	+37.28
39	32	04/97	Bobbin	ODI	14	0.50	13TH TSP	+26.19
39	37	04/97	Bobbin	ODI	20	0.42	6TH TSP	+24.41
39	42	04/97	Bobbin	ODI	5	0.43	10TH TSP	+33.67
39	44	04/97	Bobbin	ODI	13	0.99	12TH TSP	+13.25
		04/97	Bobbin	ODI	14	0.22	10TH TSP	+36.99
39	46	04/97	Bobbin	ODI	36	0.55	13TH TSP	+11.14
		04/97	Bobbin	ADI		0.75	10TH TSP	+24.99 to +25.05
39	51	04/97	Bobbin	ODI	4	0.64	10TH TSP	+12.88
39	53	04/97	Bobbin	ODI	2	0.57	3RD TSP	+3.73
39	54	04/97	Bobbin	ODI	5	1.08	2AVB	+8.42
		04/97	Bobbin	ADI		1.65	10TH TSP	+5.91
		04/97	Bobbin	ODI	3	1.04	11TH TSP	+36.18
		04/97	Bobbin	ODI	13	1.39	10TH TSP	+13.41
39	60	04/97	Bobbin	ODI	27	0.49	10TH TSP	+36.21
39	62	04/97	Bobbin	ODI	16	0.44	7TH TSP	+5.37
39	66	04/97	Bobbin	ODI	21	0.72	8TH TSP	+1.57
39	93	04/97	Bobbin	ODI	23	0.63	10TH TSP	+43.16
40	18	04/97	U-Bend	VOL		2.17	3AVB	+0.00
		04/97	Bobbin	WAR	31	2.26	3AVB	+0.00
40	19	04/97	Bobbin	ODI	15	0.55	7TH TSP	+27.17
		04/97	Bobbin	ODI	23	1.67	7TH TSP	+25.20
		04/97	Bobbin	ODI	32	0.29	7TH TSP	+30.82
		04/97	Bobbin	ODI	4	0.51	10TH TSP	+41.50
		04/97	Bobbin	ODI	6	1.31	10TH TSP	+21.30
		04/97	Bobbin	ODI	18	0.25	10TH TSP	+8.12
40	22	04/97	Bobbin	ODI	11	0.93	14TH TSP	+3.96
		04/97	C/L Special Interest	VOL		0.84	14TH TSP	+3.43
40	23	04/97	Bobbin	ODI	36	0.36	7TH TSP	+17.59
40	27	04/97	Bobbin	ODI	10	2.41	5TH TSP	+21.98
		04/97	Bobbin	ODI	12	1.37	6TH TSP	+18.12
40	28	04/97	Bobbin	ODI	11	0.43	10TH TSP	+36.10
		04/97	Bobbin	ODI	18	0.40	12TH TSP	+16.10
		04/97	C/L Special Interest	VOL		0.19	12TH TSP	+21.13
		04/97	C/L Special Interest	VOL		0.78	12TH TSP	+16.83
40	43	04/97	Bobbin	ODI	5	1.27	11TH TSP	+4.38
		04/97	C/L Special Interest	VOL		0.41	11TH TSP	+4.45
40	44	04/97	Bobbin	NQI		0.32	16TH TSP	+2.00
		04/97	H/L Tubesheet	VOL		1.70	TTS-HL	+0.00
40	48	04/97	Bobbin	ODI	8	0.81	10TH TSP	+42.31
40	50	04/97	Bobbin	ADI		1.78	17TH TSP	+6.93
40	52	04/97	Bobbin	ODI	18	0.57	11TH TSP	+37.26
40	54	04/97	Bobbin	ODI	8	1.48	4AVB	+17.34
		04/97	Bobbin	ODI	10	2.64	4AVB	+29.42
		04/97	Bobbin	ODI	15	1.35	2ND TSP	+17.06
		04/97	Bobbin	ODI	2	0.66	10TH TSP	+43.30
		04/97	Bobbin	ODI	6	0.88	10TH TSP	+5.48
		04/97	Bobbin	ODI	7	1.09	10TH TSP	+17.67
40	59	04/97	Bobbin	ADI		1.35	1AVB	+23.50
40	61	04/97	Bobbin	ODI	12	0.82	12TH TSP	+2.25
40	63	04/97	Bobbin	ODI	8	0.61	2ND TSP	+12.10
40	68	04/97	Bobbin	ODI	9	0.74	10TH TSP	+30.49
40	69	04/97	Bobbin	ODI	12	0.59	8TH TSP	+1.49
40	70	04/97	Bobbin	ODI	19	0.53	8TH TSP	+1.80
		04/97	Bobbin	ODI	29	0.75	9TH TSP	+1.50
40	79	04/97	Bobbin	ADI		1.74	9TH TSP	+11.72
40	86	04/97	Bobbin	ODI	2	0.41	16TH TSP	+6.59

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
40	91	04/97	Bobbin	ODI	7	1.30	6TH TSP	+8.12
		04/97	H/L Special Interest	VOL		1.05	6TH TSP	+8.04
40	94	04/97	Bobbin	WAR	19	0.96	2AVB	+0.00
40	95	04/97	Bobbin	WAR	12	0.51	4AVB	+0.00
		04/97	Bobbin	WAR	17	0.80	2AVB	+0.00
41	22	04/97	Bobbin	NQI		0.27	10TH TSP	+38.20
		04/97	Bobbin	ODI	24	0.46	7TH TSP	+27.05
		04/97	Bobbin	ODI	20	0.70	12TH TSP	+21.80
41	27	04/97	Bobbin	ODI	20	0.59	7TH TSP	+36.38
		04/97	Bobbin	ODI	21	0.18	10TH TSP	+2.25
		04/97	Bobbin	ODI	26	0.26	10TH TSP	+22.69
		04/97	Bobbin	ODI	26	0.32	10TH TSP	+24.46
41	31	04/97	Bobbin	NQI		0.22	10TH TSP	+43.17
41	45	04/97	Bobbin	ODI	10	1.14	12TH TSP	+1.39
41	54	04/97	Bobbin	ODI	15	0.35	7TH TSP	+12.13
41	56	04/97	Bobbin	NQI		0.43	8TH TSP	+0.73
41	60	04/97	Bobbin	ODI	12	0.27	10TH TSP	+40.04
41	63	04/97	Bobbin	ODI	14	0.34	6TH TSP	+15.09
41	68	04/97	Bobbin	ODI	10	1.11	2ND TSP	+12.07
		04/97	Bobbin	ODI	9	1.68	10TH TSP	+5.32
41	81	04/97	Bobbin	WAR	12	0.52	4AVB	+0.00
		04/97	Bobbin	WAR	14	0.63	3AVB	+0.00
		04/97	Bobbin	WAR	24	1.31	2AVB	+0.00
41	82	04/97	Bobbin	ODI	2	0.67	12TH TSP	+10.51
41	83	04/97	Bobbin	WAR	14	0.65	2AVB	+0.00
		04/97	Bobbin	WAR	17	0.76	3AVB	+0.00
41	84	04/97	Bobbin	ODI	24	0.36	8TH TSP	-0.43
41	85	04/97	Bobbin	WAR	10	0.41	4AVB	+0.00
		04/97	Bobbin	WAR	21	1.07	3AVB	+0.00
41	90	04/97	Bobbin	WAR	12	0.52	3AVB	+0.00
41	92	04/97	U-Bend	VOL		0.08	4AVB	+0.00
		04/97	U-Bend	VOL		0.71	3AVB	+0.00
		04/97	Bobbin	WAR	5	0.18	4AVB	+0.00
		04/97	Bobbin	WAR	10	0.38	3AVB	+0.00
41	93	04/97	Bobbin	ODI	11	0.45	7TH TSP	+37.43
		04/97	Bobbin	ODI	10	0.40	11TH TSP	+39.35
41	94	04/97	Bobbin	WAR	14	0.58	2AVB	+0.00
		04/97	Bobbin	WAR	22	1.14	3AVB	+0.00
42	21	04/97	Bobbin	ODI	11	0.97	13TH TSP	+20.47
42	22	04/97	Bobbin	ODI	27	0.43	10TH TSP	+36.20
		04/97	Bobbin	ODI	30	0.76	10TH TSP	+31.04
42	27	04/97	Bobbin	ODI	16	0.20	7TH TSP	+18.17
		04/97	Bobbin	ODI	35	0.18	7TH TSP	+19.18
42	30	04/97	Bobbin	ODI	13	0.49	7TH TSP	+16.92
42	45	04/97	Bobbin	NQI		0.28	16TH TSP	+7.45
		04/97	Bobbin	ODI	12	0.52	16TH TSP	+5.55
42	53	04/97	Bobbin	ADI		3.24	4TH TSP	+25.90
		04/97	Bobbin	ODI	19	0.30	10TH TSP	+6.50
42	54	04/97	Bobbin	ADI		2.36	17TH TSP	+5.22
		04/97	Bobbin	ADI		3.93	15TH TSP	+8.11
		04/97	C/L Special Interest	VOL		0.62	17TH TSP	+4.73
		04/97	C/L Special Interest	VOL		1.04	14TH TSP	-10.89
42	61	04/97	Bobbin	ODI	9	1.21	13TH TSP	+22.09
42	62	04/97	Bobbin	ODI	16	0.36	7TH TSP	+9.29
		04/97	Bobbin	ODI	18	0.67	7TH TSP	+10.24
42	75	04/97	Bobbin	NQI		0.68	17TH TSP	+3.21
		04/97	Bobbin	ODI	8	0.90	12TH TSP	+13.67
		04/97	C/L Special Interest	VOL		0.83	17TH TSP	+3.02
42	81	04/97	Bobbin	WAR	15	0.68	2AVB	+0.00
42	85	04/97	U-Bend	VOL		0.09	3AVB	+0.00
		04/97	U-Bend	VOL		0.19	2AVB	+0.00
		04/97	Bobbin	WAR	17	0.79	3AVB	+0.00
		04/97	Bobbin	WAR	31	2.33	2AVB	+0.00
42	91	04/97	Bobbin	WAR	16	0.72	3AVB	+0.00
42	92	04/97	Bobbin	ODI	5	0.27	6TH TSP	+26.79

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	19	0.23	7TH TSP	+36.23
		04/97	Bobbin	ODI	22	0.24	7TH TSP	+25.23
43	28	04/97	Bobbin	ODI	7	3.02	8TH TSP	-0.54
43	29	04/97	Bobbin	ODI	27	0.67	8TH TSP	-0.51
43	31	04/97	Bobbin	NQI		0.25	6TH TSP	+18.07
43	39	04/97	Bobbin	ODI	2	0.45	3RD TSP	+3.24
43	41	04/97	Bobbin	ODI	4	1.77	2ND TSP	+25.91
43	49	04/97	Bobbin	ODI	4	1.61	11TH TSP	+24.72
43	50	04/97	Bobbin	ODI	5	1.08	5TH TSP	+22.74
		04/97	H/L Special Interest	VOL		0.62	5TH TSP	+22.32
43	52	04/97	Bobbin	ODI	18	0.83	3AVB	+22.05
43	54	04/97	Bobbin	ADI		2.70	13TH TSP	+38.46
		04/97	C/L Special Interest	VOL		0.55	12TH TSP	-4.94
43	55	04/97	Bobbin	ADI		1.99	4AVB	+28.81
		04/97	Bobbin	ADI		2.35	3AVB	+1.21
		04/97	Bobbin	NQI		0.67	4AVB	+16.92
		04/97	U-Bend	VOL		0.97	4AVB	+15.74
		04/97	U-Bend	VOL		1.00	4AVB	+18.54
		04/97	U-Bend	VOL		1.13	3AVB	+1.22
		04/97	Bobbin	ODI	20	1.01	4AVB	+20.17
		04/97	Bobbin	ADI		1.08	10TH TSP	+38.11
		04/97	Bobbin	ODI	20	0.72	13TH TSP	+4.00
		04/97	Bobbin	ODI	23	0.86	14TH TSP	+16.08
43	91	04/97	Bobbin	WAR	14	0.62	2AVB	+0.00
		04/97	Bobbin	WAR	15	0.69	3AVB	+0.00
		04/97	Bobbin	WAR	21	1.09	4AVB	+0.00
44	23	04/97	U-Bend	VOL		0.39	3AVB	+0.00
		04/97	Bobbin	WAR	19	0.89	4AVB	+0.00
		04/97	Bobbin	WAR	22	1.16	2AVB	+0.00
		04/97	Bobbin	WAR	37	3.95	3AVB	+0.00
		04/97	Bobbin	ODI	9	4.74	8TH TSP	+23.92
44	25	04/97	Bobbin	WAR	10	0.42	2AVB	+0.00
44	28	04/97	Bobbin	NQI		0.45	8TH TSP	-0.60
		04/97	Bobbin	ODI	16	0.91	13TH TSP	+4.02
		04/97	C/L Special Interest	VOL		1.02	13TH TSP	+4.22
44	30	04/97	Bobbin	ODI	17	0.30	8TH TSP	-0.27
44	40	04/97	Bobbin	ODI	8	2.02	17TH TSP	+7.89
		04/97	C/L Special Interest	VOL		1.44	16TH TSP	-9.87
44	41	04/97	Bobbin	ODI	22	0.60	12TH TSP	+6.45
44	43	04/97	Bobbin	ODI	23	0.26	6TH TSP	+18.92
44	46	04/97	Bobbin	ODI	7	0.54	TTS-CL	+5.62
		04/97	Bobbin	ODI	8	0.41	TTS-CL	+4.46
		04/97	Bobbin	NQI		0.52	19TH TSP	+7.98
		04/97	Bobbin	ODI	20	1.35	5TH TSP	+13.21
		04/97	Bobbin	ODI	26	0.67	11TH TSP	+25.78
44	47	04/97	Bobbin	ADI		2.43	13TH TSP	+20.96
		04/97	Bobbin	ODI	19	2.04	2ND TSP	+29.11
		04/97	Bobbin	ODI	20	1.39	2ND TSP	+16.34
44	51	04/97	Bobbin	NQI		0.26	7TH TSP	+23.77
		04/97	Bobbin	ADI		0.93	13TH TSP	+36.93
		04/97	Bobbin	ODI	6	0.29	7TH TSP	+42.04
44	60	04/97	Bobbin	ODI	19	0.49	7TH TSP	+31.26
44	61	04/97	Bobbin	NQI		1.09	11TH TSP	+2.43
		04/97	C/L Special Interest	VOL		1.35	11TH TSP	+2.44
44	62	04/97	Bobbin	ODI	7	1.32	7TH TSP	+40.14
		04/97	Bobbin	ODI	32	0.53	7TH TSP	+38.87
44	66	04/97	Bobbin	ODI	12	5.17	4AVB	+17.42
		04/97	Bobbin	NQI		0.50	5TH TSP	+30.42
		04/97	Bobbin	ODI	7	0.52	8TH TSP	-1.03
		04/97	Bobbin	ODI	22	0.57	14TH TSP	+2.79
		04/97	Bobbin	ODI	28	0.59	13TH TSP	+31.04
		04/97	H/L Special Interest	VOL		1.22	6TH TSP	-12.81
44	75	04/97	Bobbin	ODI	3	0.45	15TH TSP	+4.85
44	79	04/97	Bobbin	ODI	19	0.82	6TH TSP	+40.07
44	81	04/97	Bobbin	ADI		0.63	10TH TSP	+23.11

ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
44	82	04/97	Bobbin	NQI		0.23	3RD TSP +27.60
		04/97	Bobbin	ODI	8	0.64	8TH TSP -1.41
44	89	04/97	Bobbin	ODI	1	1.32	TTS-HL +4.39
45	26	04/97	Bobbin	WAR	23	1.26	3AVB +0.00
		04/97	Bobbin	ODI	6	0.30	1ST TSP +7.35
45	30	04/97	Bobbin	ADI		1.54	8TH TSP +24.99
		04/97	Bobbin	ODI	32	0.20	7TH TSP +28.38
		04/97	Bobbin	ODI	35	0.28	7TH TSP +28.60
45	34	04/97	Bobbin	ODI	11	2.49	3RD TSP +11.49
45	36	04/97	Bobbin	ADI		1.18	13TH TSP +8.00
45	41	04/97	Bobbin	ODI	10	0.41	15TH TSP +25.95
45	54	04/97	Bobbin	ADI		1.43	2ND TSP +22.99
		04/97	H/L Special Interest	VOL		0.72	3RD TSP -12.97
45	68	04/97	Bobbin	ODI	18	0.25	6TH TSP +19.09
45	81	04/97	Bobbin	ODI	19	1.09	7TH TSP +24.98
		04/97	Bobbin	ODI	18	0.47	10TH TSP +39.30
45	84	04/97	Bobbin	ODI	8	0.51	6TH TSP +36.54
		04/97	Bobbin	ODI	1	0.48	11TH TSP +28.19
		04/97	Bobbin	ODI	3	0.50	10TH TSP +20.88
		04/97	Bobbin	ODI	6	0.23	11TH TSP +24.21
		04/97	Bobbin	ODI	12	0.40	10TH TSP +22.51
45	88	04/97	Bobbin	ODI	7	0.56	19TH TSP +7.49
		04/97	Bobbin	ODI	14	0.36	18TH TSP -1.43
45	90	04/97	Bobbin	WAR	15	0.67	3AVB +0.00
45	91	04/97	Bobbin	WAR	15	0.67	2AVB +0.00
		04/97	Bobbin	WAR	26	1.51	4AVB +0.00
46	26	04/97	Bobbin	ODI	10	4.17	1AVB +30.23
		04/97	Bobbin	ODI	11	1.33	2ND TSP +18.05
		04/97	H/L Special Interest	VOL		0.74	2ND TSP +17.72
46	30	04/97	Bobbin	ADI		2.06	4AVB +4.82
		04/97	Bobbin	ODI	5	1.45	6TH TSP +16.63
		04/97	Bobbin	ODI	23	0.38	6TH TSP +22.72
		04/97	Bobbin	ODI	21	0.51	18TH TSP +12.25
46	31	04/97	Bobbin	ODI	11	0.91	8TH TSP -0.57
46	32	04/97	Bobbin	NQI		0.56	6TH TSP +33.79
		04/97	Bobbin	ODI	24	0.38	5TH TSP +12.41
		04/97	Bobbin	ODI	15	1.40	12TH TSP +32.05
		04/97	H/L Special Interest	VOL		0.68	7TH TSP -9.56
46	34	04/97	Bobbin	ODI	22	0.34	7TH TSP +26.44
46	37	04/97	Bobbin	ODI	3	2.20	3RD TSP +8.00
		04/97	Bobbin	ODI	8	2.06	12TH TSP +9.33
		04/97	Bobbin	ODI	37	0.18	10TH TSP +26.93
		04/97	H/L Special Interest	VOL		3.00	3RD TSP +7.84
		04/97	C/L Special Interest	VOL		2.20	10TH TSP +26.14
		04/97	C/L Special Interest	VOL		5.59	10TH TSP +26.88
46	45	04/97	Bobbin	ODI	18	0.71	11TH TSP +27.33
46	53	04/97	Bobbin	ODI	11	0.47	17TH TSP +12.99
46	64	04/97	Bobbin	ODI	28	1.51	4TH TSP -0.90
47	27	04/97	Bobbin	WAR	26	0.90	3AVB +0.00
		04/97	Bobbin	ODI	12	2.31	12TH TSP +21.46
47	28	04/97	Bobbin	NQI		0.86	9TH TSP +9.30
		04/97	Bobbin	ODI	3	1.14	9TH TSP +11.46
		04/97	Bobbin	ODI	8	1.57	9TH TSP +10.53
		04/97	Bobbin	ODI	13	0.79	9TH TSP +15.69
		04/97	Bobbin	ODI	15	1.16	11TH TSP +26.10
47	29	04/97	U-Bend	VOL		0.94	1AVB +21.20
		04/97	Bobbin	ODI	17	1.93	1AVB +26.44
47	33	04/97	Bobbin	ADI		1.38	17TH TSP +27.49
		04/97	Bobbin	ODI	18	0.33	8TH TSP -0.52
		04/97	Bobbin	ODI	2	0.39	15TH TSP +28.78
		04/97	Bobbin	ODI	6	1.06	18TH TSP +8.62
		04/97	Bobbin	ODI	9	1.31	17TH TSP +29.08
		04/97	Bobbin	ODI	22	0.35	15TH TSP +22.34
		04/97	C/L Special Interest	VOL		3.10	17TH TSP +27.10
		04/97	C/L Special Interest	VOL		4.20	17TH TSP +28.91

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
47	34	04/97	Bobbin	ODI	21	0.48	8TH TSP	-0.51
		04/97	Bobbin	ODI	18	0.18	17TH TSP	+3.00
47	35	04/97	Bobbin	NQI		0.42	15TH TSP	+22.02
47	36	04/97	Bobbin	NQI		1.10	17TH TSP	+4.22
		04/97	C/L Special Interest	VOL		3.90	17TH TSP	+4.19
47	38	04/97	Bobbin	NQI		0.40	19TH TSP	+0.58
		04/97	C/L Special Interest	VOL		0.58	19TH TSP	+0.93
47	43	04/97	Bobbin	ADI		3.75	1AVB	+18.66
		04/97	Bobbin	ODI	12	2.06	4AVB	+22.66
47	46	04/97	Bobbin	ODI	5	1.65	11TH TSP	+16.94
		04/97	C/L Special Interest	VOL		1.24	11TH TSP	+17.71
47	55	04/97	Bobbin	ADI		1.93	4TH TSP	+20.95
		04/97	Bobbin	ADI		1.09	13TH TSP	+34.80
		04/97	Bobbin	ADI		1.14	10TH TSP	+9.53
		04/97	Bobbin	ODI	18	0.73	10TH TSP	+21.49
47	65	04/97	Bobbin	ODI	11	1.63	10TH TSP	+6.77
47	67	04/97	Bobbin	ADI		1.59	8TH TSP	+22.17
47	75	04/97	Bobbin	ODI	3	1.56	TTS-HL	+6.58
47	77	04/97	Bobbin	ODI	10	0.90	10TH TSP	+40.15
47	84	04/97	Bobbin	ODI	1	0.87	6TH TSP	+34.35
		04/97	Bobbin	ODI	13	0.38	18TH TSP	+3.69
48	31	04/97	Bobbin	ODI	6	0.99	6TH TSP	+36.67
48	32	04/97	Bobbin	ODI	26	0.93	7TH TSP	+25.08
48	35	04/97	Bobbin	NQI		0.24	7TH TSP	+26.08
		04/97	Bobbin	ODI	4	0.58	7TH TSP	+37.87
		04/97	Bobbin	ODI	11	0.66	5TH TSP	+20.02
		04/97	Bobbin	ODI	3	1.54	13TH TSP	+8.32
		04/97	H/L Special Interest	VOL		0.51	7TH TSP	+17.99
48	46	04/97	Bobbin	NQI		0.22	7TH TSP	+22.18
		04/97	Bobbin	ODI	33	0.35	13TH TSP	+31.70
48	52	04/97	Bobbin	ODI	7	0.96	17TH TSP	+4.19
48	53	04/97	Bobbin	ODI	18	0.54	7TH TSP	+43.89
48	56	04/97	Bobbin	NQI		0.65	1AVB	+16.79
48	59	04/97	Bobbin	ADI		1.81	3RD TSP	+9.65
		04/97	H/L Special Interest	VOL		0.65	3RD TSP	+10.40
48	65	04/97	Bobbin	ODI	3	0.77	7TH TSP	+44.23
48	68	04/97	Bobbin	ODI	29	1.32	10TH TSP	+43.62
48	76	04/97	Bobbin	ODI	23	0.22	15TH TSP	+15.47
48	80	04/97	Bobbin	ODI	1	0.62	7TH TSP	+22.25
48	84	04/97	Bobbin	ODI	18	0.66	10TH TSP	+22.89
48	85	04/97	Bobbin	ODI	8	0.43	10TH TSP	+43.21
49	31	04/97	Bobbin	NQI		1.01	11TH TSP	-1.35
		04/97	C/L Special Interest	VOL		4.57	11TH TSP	-1.85
49	35	04/97	Bobbin	ODI	24	0.23	10TH TSP	+22.52
49	45	04/97	Bobbin	ODI	18	0.42	15TH TSP	+13.32
49	47	04/97	Bobbin	NQI		0.47	10TH TSP	+20.58
49	53	04/97	Bobbin	ODI	25	0.29	15TH TSP	+14.46
		04/97	Bobbin	ODI	25	0.43	15TH TSP	+13.41
49	80	04/97	Bobbin	ODI	28	0.63	7TH TSP	+17.36

Total Indications Found = 1674
 Total Tubes Found = 858

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

ROW	COL	OUTAGE	TEST TYPE	IND	*TW	VOLTS	LOCATION	
1	6	04/97	Bobbin	ADI		2.36	16TH TSP	+17.31
		04/97	C/L Special Interest	VOL		0.55	16TH TSP	+13.80
		04/97	C/L Special Interest	VOL		1.04	16TH TSP	+17.25
1	14	04/97	Bobbin	NQI		1.37	6TH TSP	+5.75
		04/97	H/L Special Interest	VOL		1.48	6TH TSP	+4.24
1	20	04/97	Bobbin	NQI		0.42	2ND TSP	+0.20
1	44	04/97	Bobbin	ODI	32	0.25	TTS-CL	+2.88
1	49	04/97	Bobbin	NQI		0.12	TTS-HL	+1.09
		04/97	Bobbin	NQI		-0.13	TTS-HL	+1.99
		04/97	Bobbin	NQI		0.34	TTS-HL	+0.54
1	50	04/97	Bobbin	ODI	1	0.54	TTS-CL	+3.23
1	51	04/97	Bobbin	ODI	19	0.38	19TH TSP	+4.03
1	52	04/97	Bobbin	ADI		0.93	2ND TSP	+5.19
1	56	04/97	Bobbin	NQI		1.32	4TH TSP	+38.91
		04/97	H/L Special Interest	VOL		1.63	5TH TSP	-4.32
1	62	04/97	Bobbin	ODI	5	1.32	13TH TSP	+39.84
1	63	04/97	Bobbin	NQI		0.41	12TH TSP	+40.86
		04/97	Bobbin	ODI	13	0.45	4TH TSP	+8.25
1	71	04/97	Bobbin	ODI	21	0.27	6TH TSP	+22.68
1	73	04/97	Bobbin	NQI		0.42	18TH TSP	+33.19
		04/97	C/L Special Interest	VOL		0.66	16TH TSP	-3.34
1	77	04/97	Bobbin	ADI		1.00	18TH TSP	+15.66
		04/97	C/L Special Interest	VOL		0.63	18TH TSP	+15.63
1	81	04/97	Bobbin	NQI		0.43	18TH TSP	+6.24
1	82	04/97	Bobbin	NQI		0.62	1ST TSP	+1.19
		04/97	Bobbin	ODI	34	0.49	10TH TSP	+30.29
1	84	04/97	Bobbin	ODI	10	1.26	12TH TSP	+12.35
		04/97	C/L Special Interest	VOL		2.01	12TH TSP	+11.81
1	90	04/97	Bobbin	ODI	22	0.29	3RD TSP	+14.30
1	91	04/97	Bobbin	ADI		0.42	7TH TSP	+8.63
		04/97	H/L Special Interest	VOL		0.21	7TH TSP	+8.45
1	98	04/97	Bobbin	NQI		0.20	19TH TSP	+7.05
1	108	04/97	Bobbin	NQI		0.24	19TH TSP	+1.17
2	2	04/97	Bobbin	NQI		0.37	6TH TSP	+39.19
		04/97	Bobbin	ODI	17	1.23	1ST TSP	+17.95
		04/97	H/L Special Interest	VOL		1.45	1ST TSP	+17.56
2	3	04/97	Bobbin	ODI	16	1.35	1ST TSP	+12.15
2	8	04/97	Bobbin	ODI	1	1.22	19TH TSP	+6.10
2	26	04/97	Bobbin	ODI	12	0.61	17TH TSP	+12.54
2	31	04/97	Bobbin	NQI		0.69	18TH TSP	+33.22
		04/97	C/L Special Interest	VOL		0.57	18TH TSP	+33.16
2	33	04/97	Bobbin	ADI		1.43	4TH TSP	+15.74
		04/97	H/L Special Interest	VOL		0.44	4TH TSP	+15.74
2	41	04/97	Bobbin	NQI		0.17	16TH TSP	+15.98
		04/97	Bobbin	ODI	24	0.42	16TH TSP	+16.18
2	45	04/97	Bobbin	ADI		1.95	19TH TSP	+4.35
2	57	04/97	Bobbin	ODI	13	0.61	7TH TSP	+21.73
		04/97	Bobbin	ODI	33	0.68	7TH TSP	+18.53
2	58	04/97	Bobbin	NQI		0.34	5TH TSP	+21.32
2	60	04/97	Bobbin	ODI	13	0.27	12TH TSP	+32.82
2	75	04/97	Bobbin	ODI	4	1.34	5TH TSP	+37.23
2	83	04/97	Bobbin	NQI		0.41	4TH TSP	+0.74
		04/97	H/L Special Interest	VOL		1.04	4TH TSP	+0.89
2	89	04/97	Bobbin	NQI		0.55	11TH TSP	+36.85
		04/97	C/L Special Interest	VOL		1.39	10TH TSP	-6.26
2	96	04/97	Bobbin	ODI	10	0.36	1ST TSP	+2.26
2	99	04/97	Bobbin	ODI	4	0.54	18TH TSP	+7.39
2	100	04/97	Bobbin	ODI	13	0.35	1ST TSP	+22.36
		04/97	Bobbin	ODI	39	0.25	1ST TSP	+24.79
2	101	04/97	Bobbin	ODI	10	0.42	18TH TSP	+12.31
		04/97	Bobbin	ADI		1.47	18TH TSP	+17.41 to +28.30
		04/97	C/L Special Interest	VOL		0.44	18TH TSP	+17.41 to +28.30
2	102	04/97	Bobbin	NQI		0.34	16TH TSP	+20.83
		04/97	Bobbin	ODI	29	0.51	18TH TSP	+2.29
2	105	04/97	Bobbin	ODI	6	1.88	1ST TSP	+3.03

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
2	112	04/97	Bobbin	ODI	20	0.25	3RD TSP	+28.61
3	4	04/97	Bobbin	ADI		1.11	TTS-HL	+3.27
3	14	04/97	Bobbin	ODI	26	0.68	5TH TSP	+14.28
3	24	04/97	Bobbin	ODI	13	1.32	12TH TSP	+27.89
3	36	04/97	Bobbin	NQI		0.64	2ND TSP	+33.09
		04/97	H/L Special Interest	VOL		1.06	3RD TSP	-3.33
3	38	04/97	Bobbin	ODI	9	1.05	13TH TSP	+9.02
3	43	04/97	Bobbin	NQI		0.31	2ND TSP	-0.49
3	47	04/97	Bobbin	ODI	28	-0.31	18TH TSP	+16.76
3	50	04/97	Bobbin	ODI	1	1.10	11TH TSP	+22.06
3	52	04/97	Bobbin	ODI	1	0.81	4TH TSP	+12.74
		04/97	Bobbin	ODI	7	1.53	4TH TSP	+13.34
3	55	04/97	Bobbin	ADI		2.68	11TH TSP	+19.43
		04/97	C/L Special Interest	VOL		0.54	11TH TSP	+15.84
		04/97	C/L Special Interest	VOL		0.65	11TH TSP	+19.18
3	60	04/97	Bobbin	ODI	1	0.79	3RD TSP	+11.43
		04/97	Bobbin	ODI	4	1.03	3RD TSP	+13.62
3	61	04/97	Bobbin	ODI	18	0.28	7TH TSP	+2.75
3	62	04/97	Bobbin	NQI		0.21	2ND TSP	-0.40
3	63	04/97	Bobbin	ODI	4	1.16	10TH TSP	+9.86
3	72	04/97	Bobbin	ODI	9	1.16	13TH TSP	+8.92
3	75	04/97	Bobbin	ODI	12	3.14	2ND TSP	+16.97
3	76	04/97	Bobbin	NQI		0.24	3RD TSP	+15.58
		04/97	Bobbin	NQI		0.29	3RD TSP	+12.87
3	78	04/97	Bobbin	NQI		0.45	13TH TSP	+36.14
		04/97	C/L Special Interest	VOL		0.45	12TH TSP	-7.18
3	91	04/97	Bobbin	ODI	14	0.27	4TH TSP	+0.63
3	101	04/97	Bobbin	ADI		4.03	12TH TSP	+40.64
		04/97	C/L Special Interest	VOL		1.60	11TH TSP	-2.78
		04/97	C/L Special Interest	VOL		2.60	11TH TSP	-2.52
3	103	04/97	Bobbin	NQI		0.15	16TH TSP	+7.00
		04/97	C/L Special Interest	VOL		0.35	16TH TSP	+6.90
		04/97	C/L Special Interest	VOL		0.35	16TH TSP	+7.45
3	111	04/97	Bobbin	ODI	25	0.37	18TH TSP	+8.26
		04/97	C/L Special Interest	VOL		0.68	18TH TSP	+8.12
4	11	04/97	Bobbin	ODI	4	0.88	7TH TSP	+13.18
4	35	04/97	Bobbin	ODI	4	0.59	11TH TSP	+13.94
4	43	04/97	Bobbin	ADI		2.20	1ST TSP	+5.96
		04/97	H/L Special Interest	VOL		0.88	1ST TSP	+5.36
4	52	04/97	Bobbin	NQI		0.85	10TH TSP	+16.98
		04/97	C/L Special Interest	VOL		1.81	10TH TSP	+16.06
4	54	04/97	Bobbin	NQI		0.64	7TH TSP	+19.97
		04/97	Bobbin	NQI		0.92	7TH TSP	+13.89
4	59	04/97	Bobbin	ADI		1.02	7TH TSP	+19.69
		04/97	Bobbin	NQI		0.42	7TH TSP	+16.19
		04/97	Bobbin	ODI	19	0.22	7TH TSP	+12.04
		04/97	H/L Special Interest	VOL		0.60	7TH TSP	+19.46
		04/97	H/L Special Interest	VOL		1.05	7TH TSP	+16.17
4	63	04/97	Bobbin	ODI	17	0.29	19TH TSP	+2.57
4	73	04/97	Bobbin	ODI	19	0.92	5TH TSP	+6.55
4	75	04/97	Bobbin	ODI	4	2.23	6TH TSP	+5.06
		04/97	H/L Special Interest	VOL		1.20	6TH TSP	+5.60
4	93	04/97	Bobbin	NQI		0.21	12TH TSP	+27.46
		04/97	C/L Special Interest	VOL		0.52	12TH TSP	+27.46
4	104	04/97	Bobbin	ODI	1	0.68	11TH TSP	+33.12
4	106	04/97	Bobbin	ODI	31	0.81	4TH TSP	+12.37
5	1	04/97	Bobbin	ODI	10	0.43	8TH TSP	-0.60
		04/97	H/L Special Interest	VOL		0.34	8TH TSP	-0.70
		04/97	H/L Special Interest	VOL		0.55	8TH TSP	-2.92
5	5	04/97	Bobbin	ODI	14	0.42	12TH TSP	+28.66
5	23	04/97	Bobbin	NQI		1.54	7TH TSP	+14.51
5	47	04/97	Bobbin	ODI	30	0.31	16TH TSP	+15.26
5	51	04/97	Bobbin	NQI		0.17	14TH TSP	+6.49
5	59	04/97	Bobbin	ODI	17	0.34	7TH TSP	+36.46
5	78	04/97	Bobbin	NQI		1.07	13TH TSP	+7.42

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		1.06	13TH TSP	+7.67
5	89	04/97	Bobbin	ODI	20	0.47	2ND TSP	+9.51
5	100	04/97	Bobbin	ADI		1.43	11TH TSP	+25.79
6	5	04/97	Bobbin	NQI		0.33	3RD TSP	+22.36
6	7	04/97	Bobbin	NQI		0.67	16TH TSP	+8.56
		04/97	Bobbin	NQI		1.23	13TH TSP	+31.93
		04/97	Bobbin	ODI	13	2.43	7TH TSP	+35.63
		04/97	Bobbin	ODI	12	2.49	13TH TSP	+35.99
		04/97	Bobbin	ODI	18	2.38	12TH TSP	+1.99
		04/97	Bobbin	ODI	24	1.60	12TH TSP	+26.83
		04/97	C/L Special Interest	VOL		0.55	12TH TSP	+11.76
		04/97	C/L Special Interest	VOL		0.61	16TH TSP	+8.83
		04/97	C/L Special Interest	VOL		0.88	12TH TSP	-7.79
6	45	04/97	Bobbin	NQI		1.51	8TH TSP	+7.41
		04/97	U-Bend	VOL		0.97	8TH TSP	+6.96
6	51	04/97	Bobbin	ODI	24	0.74	10TH TSP	+26.09
6	54	04/97	Bobbin	ODI	27	0.43	10TH TSP	+30.28
6	90	04/97	Bobbin	NQI		0.53	10TH TSP	+4.70
7	11	04/97	Bobbin	NQI		0.74	2ND TSP	+19.87
7	33	04/97	Bobbin	NQI		0.33	2ND TSP	+30.61
		04/97	Bobbin	ODI	17	0.66	5TH TSP	+35.44
7	36	04/97	Bobbin	ODI	12	0.36	11TH TSP	+13.46
7	51	04/97	Bobbin	ODI	15	0.47	6TH TSP	+35.50
		04/97	Bobbin	ODI	17	0.49	7TH TSP	+0.82
7	52	04/97	Bobbin	NQI		0.45	7TH TSP	+22.32
		04/97	Bobbin	NQI		0.48	10TH TSP	+29.92
7	62	04/97	Bobbin	ADI		2.35	15TH TSP	+9.53
		04/97	C/L Special Interest	VOL		0.54	15TH TSP	+9.15
7	71	04/97	Bobbin	ODI	35	0.56	16TH TSP	+3.52
7	82	04/97	Bobbin	ADI		7.45	TTS-CL	+6.15
		04/97	C/L Special Interest	VOL		2.01	19TH TSP	-2.87
7	95	04/97	Bobbin	ODI	8	1.18	7TH TSP	+28.29
7	101	04/97	Bobbin	ODI	7	1.31	14TH TSP	+14.74
8	2	04/97	Bobbin	NQI		0.42	7TH TSP	+24.00
8	37	04/97	Bobbin	ODI	20	0.30	2ND TSP	+12.02
8	85	04/97	Bobbin	ADI		3.93	11TH TSP	+3.02
		04/97	C/L Special Interest	VOL		1.50	11TH TSP	+2.91
8	93	04/97	Bobbin	NQI		0.46	TTS-CL	+5.70
		04/97	Bobbin	NQI		0.84	TTS-CL	+2.90
		04/97	C/L Special Interest	VOL		0.58	TTS-CL	+5.70
		04/97	C/L Special Interest	VOL		1.01	TTS-CL	+2.90
8	103	04/97	Bobbin	ADI		3.31	14TH TSP	+2.66
		04/97	C/L Special Interest	VOL		6.75	14TH TSP	+2.17
8	112	04/97	Bobbin	ADI		1.59	1ST TSP	+1.87
		04/97	H/L Special Interest	VOL		0.56	1ST TSP	+1.99
9	8	04/97	Bobbin	ODI	7	1.71	TTS-HL	+2.19
		04/97	H/L Special Interest	VOL		0.40	TTS-HL	+2.88
9	9	04/97	Bobbin	ODI	5	1.17	18TH TSP	+3.85
9	34	04/97	Bobbin	ODI	11	0.44	12TH TSP	+12.70
9	41	04/97	Bobbin	ODI	11	0.75	16TH TSP	+11.23
9	47	04/97	Bobbin	NQI		1.04	2ND TSP	+17.11
		04/97	H/L Special Interest	VOL		1.35	2ND TSP	+17.11
9	70	04/97	Bobbin	NQI		0.48	6TH TSP	+39.86
		04/97	Bobbin	NQI		0.64	7TH TSP	+1.80
		04/97	Bobbin	NQI		0.68	7TH TSP	+8.88
		04/97	Bobbin	NQI		1.36	7TH TSP	+12.97
		04/97	Bobbin	NQI		0.28	11TH TSP	+37.48
9	85	04/97	Bobbin	ADI		5.36	1ST TSP	+10.85
		04/97	H/L Special Interest	VOL		0.48	1ST TSP	+10.88
9	112	04/97	Bobbin	ODI	5	0.79	17TH TSP	+7.57
10	6	04/97	Bobbin	NQI		0.44	7TH TSP	+32.40
		04/97	Bobbin	NQI		0.69	10TH TSP	+25.77
		04/97	Bobbin	ODI	27	0.56	10TH TSP	+30.48
10	9	04/97	Bobbin	ODI	12	1.55	17TH TSP	+5.01
10	70	04/97	Bobbin	NQI		0.25	13TH TSP	+2.19

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin		NQI		0.27	14TH TSP	+5.03
		04/97	Bobbin		ODI	12	1.23	13TH TSP	+6.44
		04/97	C/L Special Interest		VOL		0.63	13TH TSP	+6.82
10	75	04/97	Bobbin		ODI	17	1.71	10TH TSP	+42.57
		04/97	C/L Special Interest		VOL		1.11	13TH TSP	+6.63
10	81	04/97	Bobbin		ODI	28	0.47	17TH TSP	+1.28
10	113	04/97	Bobbin		ODI	6	0.35	13TH TSP	+11.71
		04/97	C/L Special Interest		VOL		2.20	13TH TSP	+11.67
11	5	04/97	Bobbin		ODI	36	-0.45	10TH TSP	+33.73
11	11	04/97	Bobbin		ADI		1.32	5TH TSP	+37.65
		04/97	H/L Special Interest		VOL		0.76	6TH TSP	+4.57
11	59	04/97	Bobbin		NQI		0.62	13TH TSP	+5.87
		04/97	Bobbin		NQI		1.48	12TH TSP	+19.54
		04/97	Bobbin		NQI		3.20	11TH TSP	+3.86
		04/97	Bobbin		ODI	19	1.69	14TH TSP	+5.75
		04/97	Bobbin		ODI	20	0.51	14TH TSP	+4.82
		04/97	Bobbin		ODI	20	3.36	10TH TSP	+18.59
		04/97	Bobbin		ODI	32	1.91	15TH TSP	+5.72
		04/97	C/L Special Interest		VOL		0.21	13TH TSP	+5.87
11	110	04/97	Bobbin		NQI		0.23	11TH TSP	+26.72
12	3	04/97	Bobbin		NQI		0.37	10TH TSP	+29.38
12	6	04/97	Bobbin		NQI		0.20	7TH TSP	+19.69
12	16	04/97	Bobbin		NQI		0.69	11TH TSP	+16.07
		04/97	C/L Special Interest		VOL		0.77	11TH TSP	+16.04
12	31	04/97	Bobbin		ODI	16	1.32	11TH TSP	+35.41
12	32	04/97	Bobbin		NQI		1.46	4TH TSP	+5.35
		04/97	H/L Special Interest		VOL		2.03	4TH TSP	+5.65
12	33	04/97	Bobbin		ODI	5	0.38	11TH TSP	+26.63
		04/97	Bobbin		ODI	9	0.27	11TH TSP	+12.12
		04/97	Bobbin		ODI	31	0.34	11TH TSP	+7.99
12	52	04/97	Bobbin		ODI	11	0.77	10TH TSP	+27.94
12	69	04/97	Bobbin		ODI	19	0.29	15TH TSP	+14.14
12	91	04/97	Bobbin		NQI		0.32	7TH TSP	+17.65
		04/97	Bobbin		NQI		0.33	7TH TSP	+20.66
		04/97	Bobbin		NQI		0.20	10TH TSP	+16.13
		04/97	Bobbin		NQI		0.29	10TH TSP	+12.91
		04/97	Bobbin		ODI	4	0.40	7TH TSP	+16.84
		04/97	Bobbin		ODI	6	0.27	7TH TSP	+15.68
		04/97	Bobbin		ODI	6	0.66	7TH TSP	+12.43
12	113	04/97	Bobbin		ODI	29	0.25	13TH TSP	+7.14
13	5	04/97	Bobbin		ODI	26	0.62	10TH TSP	+36.22
13	10	04/97	Bobbin		ODI	14	3.29	4TH TSP	+21.95
13	11	04/97	Bobbin		NQI		0.23	10TH TSP	+43.19
		04/97	Bobbin		NQI		0.32	10TH TSP	+44.17
13	18	04/97	Bobbin		NQI		0.92	13TH TSP	+31.56
		04/97	Bobbin		NQI		1.01	11TH TSP	+19.98
		04/97	Bobbin		ODI	20	0.79	4TH TSP	+3.11
		04/97	Bobbin		ODI	33	0.51	15TH TSP	+2.82
13	43	04/97	Bobbin		ODI	28	0.46	13TH TSP	+22.78
13	44	04/97	Bobbin		ADI		4.90	3RD TSP	+13.29
		04/97	Bobbin		ODI	8	2.47	7TH TSP	+6.27
		04/97	Bobbin		ODI	13	0.95	12TH TSP	+22.88
		04/97	H/L Special Interest		VOL		1.32	3RD TSP	+12.26
13	60	04/97	Bobbin		ODI	22	1.54	13TH TSP	+15.77 to +20.59
13	93	04/97	Bobbin		NQI		0.48	1ST TSP	+2.59
		04/97	H/L Special Interest		VOL		0.72	1ST TSP	+2.58
13	96	04/97	Bobbin		NQI		0.80	12TH TSP	+14.49
13	99	04/97	Bobbin		ODI	28	0.52	9TH TSP	-0.66
13	100	04/97	Bobbin		ADI		1.07	1ST TSP	+22.73
		04/97	Bobbin		NQI		0.49	5TH TSP	+17.94
		04/97	Bobbin		ODI	7	0.47	16TH TSP	+9.15
		04/97	Bobbin		ODI	25	0.33	12TH TSP	+4.08
		04/97	H/L Special Interest		VOL		0.67	1ST TSP	+22.64
14	3	04/97	Bobbin		NQI		0.26	11TH TSP	+41.48
14	5	04/97	Bobbin		NQI		0.41	10TH TSP	+13.02

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	NQI		0.73	14TH TSP	+2.87
		04/97	C/L Special Interest	VOL		1.03	14TH TSP	+2.63
		04/97	C/L Special Interest	VOL		1.12	14TH TSP	+2.75
14	9	04/97	Bobbin	NQI		0.99	12TH TSP	+8.82
		04/97	C/L Special Interest	VOL		0.41	12TH TSP	+12.60
		04/97	C/L Special Interest	VOL		0.43	12TH TSP	+14.04
		04/97	C/L Special Interest	VOL		0.48	12TH TSP	+10.35
		04/97	C/L Special Interest	VOL		0.66	12TH TSP	+8.82
14	26	04/97	Bobbin	NQI		0.52	18TH TSP	+10.32
		04/97	C/L Special Interest	VOL		0.46	18TH TSP	+10.22
14	31	04/97	Bobbin	ODI	13	0.29	13TH TSP	+15.85
14	34	04/97	Bobbin	ODI	29	0.95	5TH TSP	+25.11
14	45	04/97	Bobbin	ODI	10	0.55	10TH TSP	+40.55
14	53	04/97	Bobbin	ODI	10	0.49	14TH TSP	+8.89
14	89	04/97	Bobbin	ADI		3.03	16TH TSP	+9.40
		04/97	C/L Special Interest	VOL		0.75	16TH TSP	+8.61
14	92	04/97	Bobbin	NQI		1.18	7TH TSP	+11.28
		04/97	H/L Special Interest	VOL		1.00	7TH TSP	+11.00
14	94	04/97	Bobbin	ODI	12	0.35	7TH TSP	+32.56
14	96	04/97	Bobbin	ADI		1.33	7TH TSP	+42.86
14	97	04/97	Bobbin	ODI	4	0.45	7TH TSP	+27.13
		04/97	H/L Special Interest	VOL		0.22	7TH TSP	+27.84
14	105	04/97	Bobbin	ADI		0.83	19TH TSP	+1.23
		04/97	Bobbin	NQI		0.16	16TH TSP	+8.81
		04/97	Bobbin	ODI	20	1.77	1ST TSP	+6.41
14	106	04/97	Bobbin	ODI	10	1.03	4TH TSP	+33.45
		04/97	Bobbin	ODI	2	1.30	11TH TSP	+7.10
15	8	04/97	Bobbin	NQI		0.90	7TH TSP	+28.73
15	14	04/97	Bobbin	ODI	9	1.34	13TH TSP	+23.42
15	35	04/97	Bobbin	ADI		1.29	11TH TSP	+10.59
		04/97	Bobbin	ADI		1.96	11TH TSP	+7.62
		04/97	Bobbin	ODI	30	0.58	12TH TSP	+25.75
		04/97	C/L Special Interest	VOL		0.40	11TH TSP	+10.69
		04/97	C/L Special Interest	VOL		0.66	11TH TSP	+7.59
15	38	04/97	Bobbin	NQI		0.21	3RD TSP	+21.98
15	55	04/97	Bobbin	ODI	29	0.43	7TH TSP	+29.44
		04/97	Bobbin	ODI	23	0.50	10TH TSP	+28.37
		04/97	C/L Special Interest	VOL		0.94	10TH TSP	+28.37
15	58	04/97	Bobbin	NQI		0.59	10TH TSP	+25.10
15	70	04/97	Bobbin	NQI		1.65	12TH TSP	+31.30
		04/97	Bobbin	ODI	10	0.72	12TH TSP	+29.97
		04/97	C/L Special Interest	VOL		1.43	12TH TSP	+30.46
15	79	04/97	Bobbin	ODI	16	2.26	15TH TSP	+2.34
15	91	04/97	Bobbin	NQI		0.77	10TH TSP	+39.65
15	104	04/97	Bobbin	ODI	30	0.41	7TH TSP	+29.82
15	107	04/97	Bobbin	NQI		0.73	10TH TSP	+27.70
		04/97	Bobbin	ODI	28	0.76	6TH TSP	+37.31
		04/97	Bobbin	ODI	31	0.29	7TH TSP	+40.79
		04/97	Bobbin	ODI	28	0.44	10TH TSP	+26.59
15	111	04/97	Bobbin	ODI	13	0.55	7TH TSP	+40.21
16	5	04/97	Bobbin	NQI		0.51	10TH TSP	+14.90
16	23	04/97	Bobbin	ODI	1	1.15	7TH TSP	+13.25
16	59	04/97	Bobbin	ODI	18	1.40	1ST TSP	+21.89
		04/97	Bobbin	ODI	6	0.80	11TH TSP	+16.86
		04/97	H/L Special Interest	VOL		1.91	2ND TSP	-6.90
16	73	04/97	Bobbin	NQI		0.34	1ST TSP	+6.25
16	86	04/97	Bobbin	ODI	12	0.36	1ST TSP	+6.15
16	89	04/97	Bobbin	ODI	3	0.87	11TH TSP	+30.51
		04/97	Bobbin	ODI	4	0.94	11TH TSP	+36.08
		04/97	Bobbin	ODI	13	0.17	10TH TSP	+43.96
		04/97	Bobbin	ODI	39	0.45	17TH TSP	+1.90
16	92	04/97	Bobbin	ODI	31	0.82	19TH TSP	-1.40
16	103	04/97	Bobbin	ODI	5	0.62	16TH TSP	+15.52
16	104	04/97	Bobbin	ODI	16	1.31	TTS-HL	+2.30
		04/97	Bobbin	ODI	2	1.24	3RD TSP	+26.37

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	5	1.47	4TH TSP	+20.51
		04/97	Bobbin	ODI	19	1.16	4TH TSP	+4.14
		04/97	H/L Special Interest	VOL		0.96	TTS-HL	+2.38
17	10	04/97	Bobbin	ADI		2.47	10TH TSP	+15.15
		04/97	C/L Special Interest	VOL		1.53	10TH TSP	+13.45
17	17	04/97	Bobbin	ODI	8	0.83	11TH TSP	+3.66
17	33	04/97	Bobbin	NQI		0.84	3RD TSP	+31.16
		04/97	H/L Special Interest	VOL		1.48	4TH TSP	-5.37
17	34	04/97	Bobbin	ODI	6	1.25	4TH TSP	+6.50
17	55	04/97	Bobbin	ODI	15	1.25	5TH TSP	+23.93
17	58	04/97	Bobbin	ODI	20	1.12	12TH TSP	+3.37
17	60	04/97	Bobbin	ADI		0.96	3RD TSP	+30.20
		04/97	H/L Special Interest	VOL		0.36	4TH TSP	-5.70
17	86	04/97	Bobbin	ODI	21	1.27	7TH TSP	+12.73
		04/97	H/L Special Interest	VOL		0.68	7TH TSP	+12.65
17	105	04/97	Bobbin	ADI		5.58	4AVB	+10.29
18	4	04/97	Bobbin	NQI		0.30	7TH TSP	+40.52
		04/97	Bobbin	NQI		0.27	10TH TSP	+29.74
		04/97	Bobbin	NQI		0.93	10TH TSP	+22.34
		04/97	Bobbin	NQI		1.14	10TH TSP	+41.62
		04/97	C/L Special Interest	VOL		0.47	10TH TSP	+28.13
18	19	04/97	Bobbin	NQI		0.47	11TH TSP	+30.42
18	20	04/97	Bobbin	ODI	28	0.34	7TH TSP	+27.86
18	26	04/97	Bobbin	ADI		3.61	5TH TSP	+16.84
		04/97	H/L Special Interest	VOL		1.16	5TH TSP	+20.72
		04/97	H/L Special Interest	VOL		1.60	5TH TSP	+17.28
18	38	04/97	Bobbin	ODI	13	0.53	6TH TSP	+37.32
		04/97	Bobbin	ODI	19	0.59	16TH TSP	+10.92
18	52	04/97	Bobbin	ODI	2	0.65	11TH TSP	+3.85
		04/97	Bobbin	ODI	18	0.70	11TH TSP	+7.76
18	55	04/97	Bobbin	ADI		2.34	12TH TSP	+26.12
		04/97	C/L Special Interest	VOL		0.55	12TH TSP	+26.16
18	59	04/97	Bobbin	NQI		0.46	12TH TSP	+16.25
		04/97	Bobbin	NQI		1.30	13TH TSP	-1.28
		04/97	Bobbin	ODI	7	0.49	12TH TSP	+22.28
		04/97	Bobbin	ODI	10	0.41	12TH TSP	+10.36
		04/97	Bobbin	ODI	19	0.74	12TH TSP	+10.83
		04/97	Bobbin	ODI	19	1.20	12TH TSP	+19.52
		04/97	Bobbin	ODI	21	0.73	12TH TSP	+15.75
		04/97	Bobbin	ODI	24	0.47	12TH TSP	+15.25
		04/97	Bobbin	ODI	24	0.48	12TH TSP	+11.89
		04/97	Bobbin	ODI	34	0.37	12TH TSP	+20.94
		04/97	C/L Special Interest	VOL		0.52	13TH TSP	-1.28
		04/97	C/L Special Interest	VOL		0.54	12TH TSP	+20.84
		04/97	C/L Special Interest	VOL		0.63	12TH TSP	+22.12
		04/97	C/L Special Interest	VOL		0.72	12TH TSP	+18.79
		04/97	C/L Special Interest	VOL		0.00	12TH TSP	+15.57
		04/97	C/L Special Interest	VOL		0.94	12TH TSP	+14.77 to +16.31
		04/97	C/L Special Interest	VOL		1.12	12TH TSP	+10.18 to +11.89
18	65	04/97	Bobbin	ODI	15	0.51	2ND TSP	+18.19
18	82	04/97	Bobbin	ADI		1.68	15TH TSP	+15.64
		04/97	C/L Special Interest	VOL		0.36	15TH TSP	+16.55
18	87	04/97	Bobbin	ODI	3	0.66	3RD TSP	+23.65
18	94	04/97	Bobbin	ADI		1.91	7TH TSP	+36.88
		04/97	H/L Special Interest	VOL		1.04	8TH TSP	-9.86
18	105	04/97	Bobbin	ODI	20	0.44	10TH TSP	+12.86
18	108	04/97	Bobbin	ODI	35	0.24	1ST TSP	+18.56
19	8	04/97	Bobbin	NQI		0.61	6TH TSP	+20.48
		04/97	H/L Special Interest	VOL		0.55	6TH TSP	+18.22
19	12	04/97	Bobbin	ADI		2.15	3RD TSP	+7.12
		04/97	Bobbin	ODI	26	0.76	12TH TSP	+9.62
		04/97	H/L Special Interest	VOL		1.14	3RD TSP	+7.30
19	18	04/97	Bobbin	ODI	15	0.45	16TH TSP	+9.10
19	31	04/97	Bobbin	NQI		0.46	3RD TSP	+10.97
		04/97	H/L Special Interest	VOL		0.41	3RD TSP	+10.71

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
19	33	04/97	Bobbin	NQI		0.67	6TH TSP	+33.60
		04/97	H/L Special Interest	VOL		2.19	7TH TSP	-10.11
19	42	04/97	Bobbin	ODI	6	1.63	10TH TSP	+36.01
		04/97	C/L Special Interest	VOL		0.87	9TH TSP	-9.99
19	53	04/97	Bobbin	ODI	8	0.76	11TH TSP	+26.05
		04/97	Bobbin	ODI	14	0.79	14TH TSP	+10.59
		04/97	Bobbin	ODI	36	0.46	14TH TSP	+9.15
19	56	04/97	Bobbin	ODI	19	0.67	2ND TSP	+18.08
19	57	04/97	Bobbin	ODI	5	0.60	3RD TSP	+30.36
		04/97	Bobbin	ODI	5	0.78	13TH TSP	+6.61
		04/97	Bobbin	ODI	10	0.41	13TH TSP	+7.28
19	73	04/97	Bobbin	NQI		0.53	10TH TSP	+20.69
		04/97	Bobbin	ODI	1	0.51	10TH TSP	+21.89
19	75	04/97	Bobbin	ODI	18	1.27	12TH TSP	+20.45
19	82	04/97	Bobbin	ADI		1.36	1ST TSP	+13.95
		04/97	H/L Special Interest	VOL		0.34	1ST TSP	+15.00
19	83	04/97	Bobbin	ADI		3.16	3RD TSP	+21.30
		04/97	H/L Special Interest	VOL		1.87	3RD TSP	+21.71
19	90	04/97	Bobbin	ODI	9	1.89	4AVB	+8.86
19	94	04/97	Bobbin	NQI		0.29	10TH TSP	+41.80
19	105	04/97	Bobbin	ODI	10	0.41	2ND TSP	+24.18
19	106	04/97	Bobbin	ADI		1.58	1AVB	+10.68
19	107	04/97	Bobbin	NQI		0.75	10TH TSP	+42.64
19	110	04/97	Bobbin	ODI	16	0.39	7TH TSP	+33.30
20	6	04/97	Bobbin	ODI	20	0.62	1ST TSP	+22.67
20	13	04/97	Bobbin	ODI	12	0.50	11TH TSP	+37.80
		04/97	Bobbin	ODI	15	0.64	11TH TSP	+37.96
20	34	04/97	Bobbin	ODI	23	0.55	1ST TSP	+6.51
20	35	04/97	Bobbin	ODI	9	1.76	16TH TSP	+7.84
20	37	04/97	Bobbin	NQI		0.45	15TH TSP	+11.86
		04/97	Bobbin	NQI		0.70	11TH TSP	+38.95
		04/97	Bobbin	NQI		0.76	11TH TSP	+11.13
		04/97	Bobbin	NQI		0.84	10TH TSP	+34.99
		04/97	Bobbin	ODI	14	0.78	10TH TSP	+15.18
		04/97	C/L Special Interest	VOL		0.23	15TH TSP	+12.76
		04/97	C/L Special Interest	VOL		0.69	10TH TSP	-4.05
		04/97	C/L Special Interest	VOL		0.81	11TH TSP	+12.25
20	48	04/97	Bobbin	ODI	3	0.60	3RD TSP	+22.24
20	60	04/97	Bobbin	ODI	10	0.38	TTS-HL	+20.32
		04/97	Bobbin	ODI	15	0.69	TTS-HL	+21.00
20	61	04/97	Bobbin	ODI	7	0.42	11TH TSP	+40.11
20	62	04/97	Bobbin	ADI		0.72	13TH TSP	+7.95
		04/97	Bobbin	ADI		2.09	16TH TSP	+2.26
20	82	04/97	Bobbin	ODI	19	1.16	11TH TSP	+37.52
20	86	04/97	Bobbin	ADI		1.74	1AVB	+9.99
		04/97	Bobbin	ADI		3.90	7TH TSP	+35.59
		04/97	Bobbin	ADI		3.58	11TH TSP	+13.41
		04/97	H/L Special Interest	VOL		0.59	8TH TSP	-11.57
		04/97	C/L Special Interest	VOL		0.37	11TH TSP	+14.00
20	96	04/97	Bobbin	ODI	4	1.45	12TH TSP	+27.60
20	106	04/97	Bobbin	ODI	6	1.19	6TH TSP	+3.56
		04/97	H/L Special Interest	VOL		1.00	6TH TSP	+3.57
20	107	04/97	Bobbin	NQI		0.87	7TH TSP	+44.14
		04/97	Bobbin	NQI		0.79	10TH TSP	+42.34
21	6	04/97	Bobbin	NQI		0.62	7TH TSP	+14.56
21	12	04/97	Bobbin	ODI	12	0.55	17TH TSP	+13.06
		04/97	C/L Special Interest	VOL		0.64	16TH TSP	-4.85
21	15	04/97	Bobbin	ODI	9	1.07	18TH TSP	+4.63
		04/97	C/L Special Interest	VOL		1.36	18TH TSP	+4.15
21	16	04/97	Bobbin	ADI		1.00	11TH TSP	+23.46
21	26	04/97	Bobbin	ADI		1.33	13TH TSP	+34.59
		04/97	C/L Special Interest	VOL		0.48	12TH TSP	-9.29
21	30	04/97	Bobbin	NQI		0.29	16TH TSP	+14.85
		04/97	C/L Special Interest	VOL		0.74	16TH TSP	+14.67
21	34	04/97	Bobbin	ODI	28	0.33	19TH TSP	+4.31

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
21	36	04/97	Bobbin	ODI	21	1.19	2ND TSP	+33.99
21	38	04/97	Bobbin	NQI		0.60	17TH TSP	+13.16
		04/97	C/L Special Interest	VOL		0.63	17TH TSP	+13.47
21	45	04/97	Bobbin	NQI		0.32	11TH TSP	+36.12
		04/97	Bobbin	ODI	10	0.33	18TH TSP	+5.85
21	49	04/97	Bobbin	ODI	2	1.68	17TH TSP	+5.19
		04/97	C/L Special Interest	VOL		0.72	17TH TSP	+5.85
21	56	04/97	Bobbin	ODI	6	1.69	12TH TSP	+24.06
21	59	04/97	Bobbin	NQI		0.78	8TH TSP	-0.31
21	60	04/97	Bobbin	ODI	5	1.31	7TH TSP	+35.83
		04/97	Bobbin	ODI	12	1.82	15TH TSP	+19.32
		04/97	Bobbin	ODI	18	2.16	15TH TSP	+10.20
		04/97	Bobbin	ODI	22	0.53	11TH TSP	+28.92
		04/97	H/L Special Interest	VOL		0.43	8TH TSP	-10.39
21	64	04/97	Bobbin	ODI	25	1.16	14TH TSP	+15.18
21	76	04/97	Bobbin	ODI	11	2.30	19TH TSP	+1.20
21	78	04/97	Bobbin	ODI	14	1.14	2ND TSP	+28.31
21	79	04/97	Bobbin	ADI		4.16	16TH TSP	+13.49
		04/97	C/L Special Interest	VOL		1.32	16TH TSP	+12.69
21	83	04/97	Bobbin	ADI		1.65	10TH TSP	+25.25
		04/97	C/L Special Interest	VOL		0.40	10TH TSP	+24.99
		04/97	C/L Special Interest	VOL		0.44	10TH TSP	+13.41
21	100	04/97	Bobbin	ODI	11	0.94	5TH TSP	+25.82
		04/97	H/L Special Interest	VOL		0.39	5TH TSP	+22.26
		04/97	H/L Special Interest	VOL		0.64	5TH TSP	+25.64
22	15	04/97	Bobbin	NQI		0.37	6TH TSP	+41.15
		04/97	Bobbin	ODI	6	1.48	15TH TSP	+16.46
		04/97	Bobbin	ODI	21	0.97	12TH TSP	+37.42
22	16	04/97	Bobbin	NQI		0.28	10TH TSP	+43.25
22	24	04/97	Bobbin	NQI		0.75	3RD TSP	+9.93
22	28	04/97	Bobbin	NQI		0.54	18TH TSP	+13.84
		04/97	Bobbin	NQI		1.11	18TH TSP	+12.55
		04/97	C/L Special Interest	VOL		0.66	17TH TSP	-4.63
		04/97	C/L Special Interest	VOL		0.75	17TH TSP	-6.02
22	30	04/97	Bobbin	ODI	13	1.75	2ND TSP	+22.31
22	42	04/97	Bobbin	ODI	17	1.03	19TH TSP	-1.07
22	43	04/97	Bobbin	ODI	9	2.03	11TH TSP	+18.98
		04/97	C/L Special Interest	VOL		0.75	11TH TSP	+18.98
22	97	04/97	Bobbin	ODI	19	2.45	3RD TSP	+5.96
22	103	04/97	Bobbin	ODI	14	0.16	15TH TSP	+13.70
		04/97	C/L Special Interest	VOL		0.65	15TH TSP	+11.76
22	107	04/97	Bobbin	ODI	5	2.20	TTS-HL	+6.97
		04/97	Bobbin	ODI	2	1.24	2ND TSP	+25.69
		04/97	Bobbin	ODI	2	1.72	3RD TSP	+8.04
		04/97	Bobbin	ODI	3	0.77	4TH TSP	+15.97
23	15	04/97	Bobbin	NQI		0.46	18TH TSP	+15.79
		04/97	C/L Special Interest	VOL		0.55	18TH TSP	+15.45
23	19	04/97	Bobbin	NQI		0.25	7TH TSP	+10.58
		04/97	Bobbin	ODI	12	0.50	7TH TSP	+18.32
23	20	04/97	Bobbin	ODI	6	1.03	9TH TSP	+10.88
23	25	04/97	Bobbin	ADI		2.26	10TH TSP	+26.51
		04/97	Bobbin	ADI		2.39	11TH TSP	+2.92
		04/97	C/L Special Interest	VOL		0.47	9TH TSP	-20.07
		04/97	C/L Special Interest	VOL		0.64	11TH TSP	+2.90
23	29	04/97	Bobbin	ODI	13	0.55	15TH TSP	+7.47
23	32	04/97	Bobbin	NQI		1.19	12TH TSP	+39.52
		04/97	Bobbin	ODI	5	0.70	7TH TSP	+29.06
		04/97	Bobbin	ODI	13	1.25	7TH TSP	+26.59
		04/97	Bobbin	ODI	23	0.70	7TH TSP	+29.06
		04/97	C/L Special Interest	VOL		0.64	11TH TSP	-3.43
23	38	04/97	Bobbin	ODI	4	1.16	TTS-HL	+4.64
		04/97	H/L Special Interest	VOL		0.92	TTS-HL	+5.08
23	79	04/97	Bobbin	ODI	17	0.36	12TH TSP	+25.04
23	85	04/97	Bobbin	ADI		1.81	12TH TSP	+25.70
		04/97	C/L Special Interest	VOL		0.66	12TH TSP	+25.31

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
23	86	04/97	Bobbin	ADI		4.07	1ST TSP	+17.86
		04/97	H/L Special Interest	VOL		1.84	1ST TSP	+17.84
23	99	04/97	Bobbin	ADI		2.10	9TH TSP	+17.36
23	108	04/97	Bobbin	ODI	24	0.35	1ST TSP	+14.93
24	15	04/97	Bobbin	NQI		0.30	18TH TSP	+2.01
24	24	04/97	Bobbin	NQI		0.46	2ND TSP	+1.64
		04/97	H/L Special Interest	VOL		0.95	2ND TSP	+1.64
24	39	04/97	Bobbin	NQI		1.38	TTS-HL	+0.64
24	46	04/97	Bobbin	ODI	10	0.80	9TH TSP	+0.88
24	55	04/97	Bobbin	ADI		0.94	10TH TSP	+36.27
		04/97	Bobbin	ADI		1.29	10TH TSP	+39.15
		04/97	Bobbin	ODI	11	0.92	7TH TSP	+34.49
24	63	04/97	Bobbin	ADI		2.58	17TH TSP	+14.60
24	68	04/97	Bobbin	ODI	20	1.37	19TH TSP	+4.49
24	86	04/97	Bobbin	NQI		1.73	7TH TSP	+42.01
24	91	04/97	Bobbin	NQI		0.38	12TH TSP	+17.97
		04/97	Bobbin	ODI	6	0.94	4TH TSP	+34.86
		04/97	Bobbin	ODI	9	1.48	2ND TSP	+4.41
		04/97	Bobbin	ODI	12	1.09	2ND TSP	+5.72
		04/97	Bobbin	ODI	11	0.99	13TH TSP	+24.27
		04/97	Bobbin	ODI	12	1.14	13TH TSP	+26.11
		04/97	Bobbin	ODI	17	1.13	13TH TSP	+32.98
		04/97	Bobbin	ODI	26	0.98	13TH TSP	+30.71
		04/97	C/L Special Interest	VOL		0.93	12TH TSP	-0.00
24	94	04/97	Bobbin	ODI	11	0.58	2ND TSP	+19.09
		04/97	Bobbin	ODI	8	0.90	12TH TSP	+31.91
24	99	04/97	Bobbin	ADI		1.25	4TH TSP	+2.66
		04/97	H/L Special Interest	VOL		0.45	4TH TSP	+2.90
24	108	04/97	Bobbin	ODI	19	0.82	4AVB	+8.69
25	8	04/97	Bobbin	ODI	10	1.79	13TH TSP	+8.65
		04/97	C/L Special Interest	VOL		0.69	13TH TSP	+8.45
25	42	04/97	Bobbin	ODI	6	1.39	1ST TSP	+1.11
		04/97	Bobbin	ODI	30	1.06	3RD TSP	+11.33
25	45	04/97	Bobbin	ODI	10	0.82	5TH TSP	+23.09
25	49	04/97	Bobbin	ODI	28	0.50	17TH TSP	+1.16
25	50	04/97	Bobbin	ODI	7	1.19	10TH TSP	+5.28
		04/97	C/L Special Interest	VOL		0.31	10TH TSP	+5.21
25	55	04/97	Bobbin	ODI	5	0.70	10TH TSP	+18.33
		04/97	Bobbin	ODI	10	1.49	10TH TSP	+18.89
		04/97	Bobbin	ODI	12	1.06	10TH TSP	+34.39
25	67	04/97	Bobbin	ODI	16	2.08	9TH TSP	+22.92
25	75	04/97	Bobbin	NQI		0.56	16TH TSP	+13.91
		04/97	Bobbin	ODI	1	2.12	16TH TSP	+7.95
		04/97	C/L Special Interest	VOL		0.53	16TH TSP	+13.44
		04/97	C/L Special Interest	VOL		1.09	16TH TSP	+7.91
25	81	04/97	Bobbin	ADI		1.39	10TH TSP	+23.06
		04/97	Bobbin	ADI		0.73	13TH TSP	+38.64 to +41.28
		04/97	Bobbin	ADI		0.79	12TH TSP	+5.35 to +37.71
		04/97	C/L Special Interest	VOL		0.47	12TH TSP	+35.42
		04/97	C/L Special Interest	VOL		0.50	12TH TSP	+33.65
		04/97	C/L Special Interest	VOL		0.64	12TH TSP	+37.44
		04/97	C/L Special Interest	VOL		0.80	12TH TSP	+31.80
		04/97	C/L Special Interest	VOL		0.82	12TH TSP	+29.22
		04/97	C/L Special Interest	VOL		1.14	10TH TSP	+23.06
		04/97	C/L Special Interest	VOL		1.27	12TH TSP	-4.75
		04/97	C/L Special Interest	VOL		1.30	12TH TSP	-1.05
		04/97	C/L Special Interest	VOL		1.31	12TH TSP	-2.70
		04/97	C/L Special Interest	VOL		1.00	12TH TSP	+4.41 to +38.37
25	85	04/97	Bobbin	ADI		3.80	8TH TSP	+14.32
25	88	04/97	Bobbin	NQI		1.63	5TH TSP	+20.77
		04/97	H/L Special Interest	VOL		1.60	6TH TSP	-22.59
26	29	04/97	Bobbin	NQI		0.41	6TH TSP	+3.04
		04/97	H/L Special Interest	VOL		1.11	6TH TSP	+3.07
26	36	04/97	Bobbin	ODI	17	0.85	11TH TSP	+1.30
26	50	04/97	Bobbin	ADI		2.21	12TH TSP	+28.45 to +37.31

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.29	12TH TSP	+33.06
		04/97	C/L Special Interest	VOL		0.36	12TH TSP	+30.24
		04/97	C/L Special Interest	VOL		0.36	12TH TSP	+38.95
26	52	04/97	Bobbin	ODI	6	0.51	17TH TSP	+6.73
26	55	04/97	Bobbin	ODI	2	1.00	10TH TSP	+42.20
26	61	04/97	Bobbin	ODI	20	0.53	12TH TSP	+13.49
26	62	04/97	Bobbin	ADI		3.11	12TH TSP	+12.01
		04/97	C/L Special Interest	VOL		0.67	12TH TSP	+12.31
26	83	04/97	Bobbin	ADI		1.52	17TH TSP	+4.02
		04/97	Bobbin	ODI	4	1.24	12TH TSP	+10.18
		04/97	Bobbin	ODI	18	0.49	17TH TSP	+13.73
		04/97	Bobbin	ODI	20	0.83	18TH TSP	+3.92
		04/97	C/L Special Interest	VOL		0.68	17TH TSP	+4.02
26	86	04/97	Bobbin	ADI		0.89	16TH TSP	+6.16
		04/97	Bobbin	ADI		1.37	15TH TSP	+7.61
		04/97	Bobbin	ADI		1.48	10TH TSP	+38.31
		04/97	Bobbin	NQI		0.55	11TH TSP	+5.41
		04/97	Bobbin	NQI		0.68	18TH TSP	+16.15
		04/97	C/L Special Interest	VOL		0.53	11TH TSP	+5.89
		04/97	C/L Special Interest	VOL		0.70	16TH TSP	+6.15
		04/97	C/L Special Interest	VOL		0.84	15TH TSP	+8.29
		04/97	C/L Special Interest	VOL		1.04	17TH TSP	-2.32
26	96	04/97	Bobbin	ODI	7	0.64	7TH TSP	+43.23
26	102	04/97	Bobbin	ODI	26	0.78	7TH TSP	+43.64
26	105	04/97	Bobbin	ODI	2	0.79	8TH TSP	+12.68
27	27	04/97	Bobbin	ODI	13	1.90	10TH TSP	+43.50
27	31	04/97	Bobbin	NQI		0.38	2ND TSP	-1.05
		04/97	H/L Special Interest	VOL		0.81	2ND TSP	-1.04
27	39	04/97	Bobbin	ODI	6	1.35	2ND TSP	+21.96
27	43	04/97	Bobbin	ODI	10	0.77	12TH TSP	+32.79
		04/97	Bobbin	ODI	25	0.54	12TH TSP	+15.14
27	54	04/97	Bobbin	ODI	10	1.38	17TH TSP	+11.88
27	55	04/97	Bobbin	ADI		1.52	7TH TSP	+27.85
		04/97	Bobbin	NQI		0.78	7TH TSP	+35.62
		04/97	H/L Special Interest	VOL		0.72	7TH TSP	+26.75
		04/97	H/L Special Interest	VOL		0.95	7TH TSP	+31.83
27	60	04/97	Bobbin	WAR	23	1.30	2AVB	+0.03
		04/97	Bobbin	NQI		0.60	9TH TSP	-1.70
		04/97	H/L Special Interest	VOL		0.24	8TH TSP	-2.11
27	75	04/97	Bobbin	ODI	24	0.92	10TH TSP	+12.80
27	80	04/97	Bobbin	ADI		2.67	11TH TSP	+15.11
		04/97	C/L Special Interest	VOL		0.67	11TH TSP	+15.59
28	35	04/97	Bobbin	ODI	4	1.44	17TH TSP	+1.72
28	42	04/97	Bobbin	ODI	8	1.53	7TH TSP	+26.13
28	59	04/97	Bobbin	NQI		0.15	9TH TSP	-1.14
28	84	04/97	Bobbin	ADI		1.20	10TH TSP	+39.53
		04/97	Bobbin	ADI		2.33	16TH TSP	+6.53
		04/97	C/L Special Interest	VOL		0.57	9TH TSP	-6.74
		04/97	C/L Special Interest	VOL		0.74	16TH TSP	+6.90
28	85	04/97	Bobbin	NQI		0.81	8TH TSP	+0.67
28	93	04/97	Bobbin	ADI		2.57	1AVB	+15.45
28	94	04/97	Bobbin	NQI		0.88	8TH TSP	-1.33
		04/97	Bobbin	ODI	20	0.28	12TH TSP	+18.12
		04/97	H/L Special Interest	VOL		0.99	8TH TSP	-1.51
29	55	04/97	Bobbin	ODI	12	0.40	10TH TSP	+32.36
		04/97	Bobbin	ODI	20	0.24	10TH TSP	+42.40
		04/97	Bobbin	ODI	34	0.55	10TH TSP	+32.95
29	61	04/97	Bobbin	ODI	19	1.08	4TH TSP	+15.32
		04/97	Bobbin	ODI	19	1.60	1ST TSP	+11.37
		04/97	H/L Special Interest	VOL		2.01	4TH TSP	+17.16
29	67	04/97	Bobbin	ADI		6.14	1ST TSP	+7.52
		04/97	H/L Special Interest	VOL		1.02	1ST TSP	+7.12
		04/97	H/L Special Interest	VOL		1.08	1ST TSP	+8.00
		04/97	H/L Special Interest	VOL		1.50	1ST TSP	+7.96
29	68	04/97	Bobbin	ODI	19	1.46	6TH TSP	+34.72

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	H/L Special Interest	VOL		0.39	7TH TSP -7.86
29	80	04/97	Bobbin	ODI	20	0.32	10TH TSP +17.05
29	85	04/97	Bobbin	ADI		2.42	3RD TSP +26.40
		04/97	H/L Special Interest	VOL		1.59	4TH TSP -9.87
29	88	04/97	Bobbin	ODI	19	0.98	7TH TSP +15.58
29	89	04/97	Bobbin	ODI	34	1.54	9TH TSP +16.68
29	95	04/97	Bobbin	ODI	3	0.38	3RD TSP +15.22
29	98	04/97	Bobbin	ODI	6	0.84	13TH TSP +34.69
29	103	04/97	Bobbin	NQI		0.43	8TH TSP +22.67
29	104	04/97	Bobbin	ODI	5	1.15	12TH TSP +5.70
		04/97	Bobbin	ODI	12	1.56	13TH TSP +39.55
29	105	04/97	Bobbin	ODI	20	1.55	TTS-HL +2.64
		04/97	H/L Special Interest	VOL		0.54	TTS-HL +2.98
30	22	04/97	Bobbin	ODI	5	0.57	13TH TSP +5.11
30	23	04/97	Bobbin	ODI	14	0.82	12TH TSP +39.30
30	30	04/97	Bobbin	ODI	13	0.64	2ND TSP +7.26
30	31	04/97	Bobbin	NQI		0.75	8TH TSP +6.38
30	33	04/97	Bobbin	ODI	16	0.56	12TH TSP +21.51
30	41	04/97	Bobbin	ADI		1.85	9TH TSP +23.76
30	55	04/97	Bobbin	ODI	13	0.97	8TH TSP -1.25
30	64	04/97	Bobbin	ADI		2.03	TTS-CL +2.48
		04/97	Bobbin	ADI		7.72	2ND TSP +13.48
		04/97	Bobbin	ODI	20	0.76	2ND TSP +7.17
		04/97	C/L Special Interest	VOL		0.42	TTS-CL +1.94
		04/97	H/L Special Interest	VOL		0.70	2ND TSP +6.95
		04/97	H/L Special Interest	VOL		1.49	2ND TSP +13.34
30	68	04/97	Bobbin	ODI	21	0.82	2ND TSP +17.79
30	70	04/97	Bobbin	ODI	17	2.38	4AVB +11.88
30	73	04/97	Bobbin	NQI		1.08	4TH TSP +20.25
		04/97	Bobbin	NQI		0.74	12TH TSP +15.44
		04/97	Bobbin	NQI		0.99	10TH TSP +5.26
		04/97	Bobbin	ODI	19	1.16	12TH TSP +10.89
		04/97	H/L Special Interest	VOL		2.13	4TH TSP +19.99
		04/97	C/L Special Interest	VOL		0.54	12TH TSP +10.19
		04/97	C/L Special Interest	VOL		0.92	12TH TSP +14.88
30	89	04/97	Bobbin	NQI		0.41	18TH TSP +16.39
		04/97	C/L Special Interest	VOL		1.61	18TH TSP +15.48
30	94	04/97	Bobbin	ODI	8	0.62	10TH TSP +36.55
		04/97	C/L Special Interest	VOL		0.43	9TH TSP -9.59
30	95	04/97	Bobbin	NQI		0.58	4AVB +6.97
		04/97	Bobbin	ODI	16	0.55	4AVB +10.56
		04/97	Bobbin	NQI		0.81	9TH TSP +20.95
30	99	04/97	Bobbin	ADI		2.44	9TH TSP +19.00
		04/97	Bobbin	ODI	21	0.77	13TH TSP +29.36
30	104	04/97	Bobbin	WAR	14	0.63	3AVB +0.00
31	19	04/97	Bobbin	WAR	11	1.42	17TH TSP +0.00
31	25	04/97	Bobbin	ODI	7	0.61	18TH TSP +7.35
31	31	04/97	Bobbin	ODI	14	0.82	11TH TSP +18.56
31	32	04/97	Bobbin	ODI	22	1.11	16TH TSP +6.75
31	44	04/97	Bobbin	ODI	16	0.92	6TH TSP +7.50
31	60	04/97	Bobbin	NQI		0.44	9TH TSP -1.55
31	70	04/97	Bobbin	NQI		1.02	1ST TSP +4.88
		04/97	Bobbin	NQI		1.59	1ST TSP +7.32
		04/97	H/L Special Interest	VOL		0.81	1ST TSP +4.85
		04/97	H/L Special Interest	VOL		1.07	1ST TSP +7.18
31	78	04/97	Bobbin	ODI	17	2.20	7TH TSP +14.00
31	83	04/97	Bobbin	ADI		1.90	17TH TSP +11.92
		04/97	C/L Special Interest	VOL		0.74	17TH TSP +12.05
31	94	04/97	Bobbin	ODI	4	1.19	2ND TSP +26.89
31	101	04/97	Bobbin	ADI		1.21	18TH TSP +5.94
		04/97	C/L Special Interest	VOL		0.51	18TH TSP +5.02
31	104	04/97	Bobbin	ODI	16	0.67	16TH TSP +11.12
32	12	04/97	Bobbin	ODI	13	1.25	5TH TSP +12.09
		04/97	Bobbin	ODI	22	1.22	5TH TSP +10.45
32	14	04/97	Bobbin	ODI	22	2.96	13TH TSP +11.49

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
32	25	04/97	Bobbin	ADI			3.42	13TH TSP	+24.85
		04/97	C/L Special Interest	VOL			1.04	13TH TSP	+24.85
32	44	04/97	Bobbin	ODI	7		1.51	13TH TSP	+7.69
		04/97	C/L Special Interest	VOL			0.26	13TH TSP	+6.59
32	53	04/97	Bobbin	ADI			3.86	7TH TSP	+14.35
		04/97	H/L Special Interest	VOL			0.79	7TH TSP	+12.19
32	60	04/97	Bobbin	ODI	24		0.90	5TH TSP	+29.69
		04/97	H/L Special Interest	VOL			1.15	6TH TSP	-12.94
32	79	04/97	Bobbin	ODI	27		0.24	13TH TSP	+25.59
32	83	04/97	Bobbin	ADI			2.81	11TH TSP	+33.30
		04/97	C/L Special Interest	VOL			0.90	11TH TSP	+32.70
32	90	04/97	Bobbin	ODI	17		0.44	18TH TSP	+12.87
32	95	04/97	Bobbin	ODI	20		0.67	7TH TSP	+44.04
32	97	04/97	Bobbin	ODI	1		0.68	2ND TSP	+27.59
32	101	04/97	Bobbin	NQI			0.45	3RD TSP	+28.25
		04/97	Bobbin	NQI			0.64	3RD TSP	+6.07
		04/97	H/L Special Interest	VOL			0.48	3RD TSP	+27.70
		04/97	H/L Special Interest	VOL			0.65	3RD TSP	+5.87
32	103	04/97	Bobbin	WAR	7		0.34	3AVB	+0.00
		04/97	Bobbin	WAR	15		0.68	4AVB	+0.00
		04/97	Bobbin	WAR	17		0.82	2AVB	+0.00
33	14	04/97	Bobbin	NQI			0.23	7TH TSP	+35.53
33	16	04/97	Bobbin	NQI			0.66	7TH TSP	+16.89
33	25	04/97	Bobbin	ADI			5.36	16TH TSP	+2.52
		04/97	C/L Special Interest	VOL			0.89	16TH TSP	+2.52
		04/97	C/L Special Interest	VOL			1.47	16TH TSP	+1.78
33	61	04/97	Bobbin	ODI	19		1.04	2ND TSP	+8.70
33	65	04/97	Bobbin	ADI			1.17	12TH TSP	+15.96
		04/97	Bobbin	ODI	3		1.94	18TH TSP	+15.89
		04/97	Bobbin	ODI	32		1.80	18TH TSP	+15.29
33	69	04/97	Bobbin	NQI			1.71	8TH TSP	-0.87
33	71	04/97	Bobbin	ODI	12		3.60	8TH TSP	+1.12
33	72	04/97	Bobbin	ODI	4		3.77	8TH TSP	+1.07
33	79	04/97	Bobbin	ADI			2.61	7TH TSP	+31.80
		04/97	H/L Special Interest	VOL			0.69	7TH TSP	+31.80
33	80	04/97	Bobbin	NQI			1.28	13TH TSP	+25.86
		04/97	C/L Special Interest	VOL			0.94	12TH TSP	-17.28
33	86	04/97	Bobbin	NQI			0.62	11TH TSP	+13.20
		04/97	C/L Special Interest	VOL			0.40	11TH TSP	+14.40
33	94	04/97	Bobbin	NQI			1.42	2ND TSP	+2.40 to +13.84
33	96	04/97	Bobbin	NQI			1.14	3RD TSP	+29.41 to +34.31
		04/97	Bobbin	NQI			1.14	4TH TSP	+0.00 to +9.32
33	103	04/97	Bobbin	WAR	12		0.53	1AVB	+0.00
34	35	04/97	Bobbin	ODI	10		0.66	11TH TSP	+8.48
34	43	04/97	Bobbin	NQI			0.60	7TH TSP	+40.82
34	62	04/97	Bobbin	ADI			1.86	12TH TSP	+34.27
		04/97	C/L Special Interest	VOL			0.66	11TH TSP	-8.99
34	81	04/97	Bobbin	ADI			3.78	1ST TSP	+5.12
		04/97	H/L Special Interest	VOL			1.44	1ST TSP	+5.84
34	96	04/97	Bobbin	NQI			0.72	3RD TSP	+25.77 to +34.31
		04/97	Bobbin	NQI			0.72	4TH TSP	+0.00 to +9.88
34	100	04/97	Bobbin	ODI	14		1.10	7TH TSP	+30.07
35	25	04/97	Bobbin	ADI			2.08	18TH TSP	+15.71
		04/97	C/L Special Interest	VOL			0.49	17TH TSP	-2.83
35	34	04/97	Bobbin	ODI	23		1.75	1ST TSP	+5.46
35	35	04/97	Bobbin	NQI			0.37	7TH TSP	+16.01
35	37	04/97	Bobbin	ODI	13		0.92	12TH TSP	+34.27
35	44	04/97	Bobbin	ODI	1		1.22	11TH TSP	+12.15
35	48	04/97	Bobbin	ODI	25		0.75	15TH TSP	+11.83
35	64	04/97	Bobbin	ODI	26		0.84	11TH TSP	+14.05
35	66	04/97	Bobbin	NQI			0.91	TTS-HL	+3.07
		04/97	Bobbin	ODI	28		0.50	11TH TSP	+28.17
		04/97	H/L Special Interest	VOL			0.78	TTS-HL	+2.71
35	81	04/97	Bobbin	NQI			0.62	12TH TSP	+1.23
		04/97	C/L Special Interest	VOL			0.53	12TH TSP	+1.21

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION
35	91	04/97	Bobbin	NQI		0.44	18TH TSP +1.25
35	93	04/97	Bobbin	NQI		0.49	12TH TSP +37.19
		04/97	C/L Special Interest	VOL		0.82	11TH TSP -5.92
36	16	04/97	Bobbin	NQI		0.78	7TH TSP +4.46
36	19	04/97	Bobbin	ODI	28	1.15	8TH TSP -1.30
36	24	04/97	Bobbin	ADI		1.48	4AVB +2.90
		04/97	Bobbin	ADI		3.87	4AVB +5.29
		04/97	U-Bend	VOL		1.12	1AVB +24.05
36	26	04/97	Bobbin	ADI		1.83	7TH TSP +19.61
		04/97	H/L Special Interest	VOL		0.91	7TH TSP +19.61
36	29	04/97	Bobbin	NQI		0.76	15TH TSP +12.51
		04/97	C/L Special Interest	VOL		0.35	15TH TSP +12.15
36	32	04/97	Bobbin	ODI	4	0.40	7TH TSP +34.04
36	34	04/97	Bobbin	ADI		3.35	6TH TSP +36.38
		04/97	H/L Special Interest	VOL		1.74	7TH TSP -6.51
36	35	04/97	Bobbin	ODI	19	0.71	7TH TSP +28.35
36	39	04/97	Bobbin	NQI		1.31	8TH TSP -1.22
36	63	04/97	Bobbin	ADI		1.70	19TH TSP +4.07
		04/97	Bobbin	ADI		1.76	19TH TSP +6.61
		04/97	Bobbin	ODI	9	0.64	12TH TSP +35.67
		04/97	C/L Special Interest	VOL		0.57	19TH TSP +6.68
		04/97	C/L Special Interest	VOL		0.63	19TH TSP +4.09
36	79	04/97	Bobbin	ADI		2.56	5TH TSP +20.40
		04/97	H/L Special Interest	VOL		1.03	5TH TSP +21.53
36	84	04/97	Bobbin	ADI		2.72	6TH TSP +29.82
		04/97	H/L Special Interest	VOL		0.88	6TH TSP +29.61
36	94	04/97	Bobbin	ADI		1.68	15TH TSP +14.07
		04/97	C/L Special Interest	VOL		0.83	15TH TSP +13.46
36	97	04/97	Bobbin	NQI		0.60	11TH TSP +30.42
36	99	04/97	Bobbin	WAR	12	0.48	4AVB +0.00
37	18	04/97	Bobbin	ODI	12	1.70	9TH TSP +1.75
37	22	04/97	Bobbin	ODI	6	2.07	9TH TSP +1.80
		04/97	Bobbin	ODI	3	0.72	11TH TSP +25.45
		04/97	C/L Special Interest	VOL		0.80	11TH TSP +25.45
37	40	04/97	Bobbin	ODI	3	2.66	2ND TSP +32.51
		04/97	Bobbin	ODI	6	1.47	5TH TSP +25.84
		04/97	Bobbin	ODI	7	1.83	19TH TSP +5.07
37	44	04/97	Bobbin	ODI	1	0.63	2ND TSP +12.08
		04/97	Bobbin	ODI	6	1.08	2ND TSP +17.45
37	51	04/97	Bobbin	ODI	8	1.36	6TH TSP +10.51
37	67	04/97	Bobbin	ODI	20	1.47	6TH TSP +3.61
37	89	04/97	Bobbin	ODI	12	1.02	14TH TSP +11.79
37	99	04/97	Bobbin	WAR	22	1.20	4AVB +0.00
38	18	04/97	Bobbin	ODI	22	0.85	8TH TSP -0.62
38	24	04/97	Bobbin	ODI	11	0.43	7TH TSP +12.85
		04/97	Bobbin	ODI	9	1.66	11TH TSP +30.69
38	27	04/97	Bobbin	NQI		0.91	13TH TSP +4.89
		04/97	C/L Special Interest	VOL		0.53	13TH TSP +4.83
38	36	04/97	Bobbin	ODI	16	0.65	7TH TSP +12.48
38	45	04/97	Bobbin	ODI	14	1.96	13TH TSP +19.99
38	59	04/97	Bobbin	ODI	17	0.86	9TH TSP +9.93
38	60	04/97	Bobbin	ODI	7	3.10	1ST TSP +14.83
		04/97	H/L Special Interest	VOL		2.41	1ST TSP +15.89
38	64	04/97	Bobbin	ODI	14	1.82	13TH TSP +21.57
		04/97	Bobbin	ODI	26	0.62	18TH TSP +9.27
38	65	04/97	Bobbin	ODI	20	2.26	11TH TSP +27.43
		04/97	Bobbin	ODI	20	2.83	18TH TSP +12.31
38	69	04/97	Bobbin	ADI		1.29	5TH TSP +40.42
		04/97	Bobbin	NQI		0.89	11TH TSP +29.20
		04/97	C/L Special Interest	VOL		1.27	10TH TSP -13.22
38	75	04/97	Bobbin	NQI		1.61	17TH TSP +13.22
		04/97	C/L Special Interest	VOL		0.94	16TH TSP -4.82
38	76	04/97	Bobbin	NQI		1.51	4TH TSP +27.96
		04/97	H/L Special Interest	VOL		0.72	4TH TSP +28.88
38	80	04/97	U-Bend	VOL		0.10	1AVB +0.00

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	U-Bend			0.15	2AVB	+0.00
		04/97	U-Bend			1.25	3AVB	+0.00
		04/97	Bobbin	WAR	13	0.55	4AVB	+0.00
		04/97	Bobbin	WAR	28	1.71	2AVB	+0.00
		04/97	Bobbin	WAR	29	1.97	1AVB	+0.00
		04/97	Bobbin	WAR	39	4.31	3AVB	+0.00
38	83	04/97	Bobbin	ADI		0.61	3RD TSP	+5.14
38	85	04/97	Bobbin	ODI	20	1.24	TTS-HL	+6.14
		04/97	Bobbin	ADI		1.00	19TH TSP	+3.26
38	86	04/97	Bobbin	NQI		1.08	3RD TSP	+7.42
		04/97	Bobbin	ADI		1.49	14TH TSP	+13.86
		04/97	H/L Special Interest	VOL		0.41	3RD TSP	+7.60
38	90	04/97	Bobbin	ODI	20	0.35	7TH TSP	+37.47
38	92	04/97	Bobbin	ODI	16	1.92	4TH TSP	+30.00
39	29	04/97	Bobbin	ODI	24	0.72	1ST TSP	+20.54
39	35	04/97	Bobbin	ODI	14	0.49	10TH TSP	+42.88
39	45	04/97	Bobbin	ODI	4	0.56	11TH TSP	+16.52
39	46	04/97	U-Bend	VOL		1.71	1AVB	+13.19
		04/97	Bobbin	ODI	11	1.23	1AVB	+13.61
		04/97	Bobbin	ODI	4	1.13	6TH TSP	+31.75
		04/97	Bobbin	ODI	7	1.73	2ND TSP	+7.88
		04/97	Bobbin	ODI	9	1.69	10TH TSP	+9.19
		04/97	C/L Special Interest	VOL		1.07	10TH TSP	+9.19
39	59	04/97	Bobbin	ODI	19	1.10	14TH TSP	+6.14
		04/97	Bobbin	ODI	20	1.14	10TH TSP	+12.72
39	64	04/97	Bobbin	ODI	26	1.08	11TH TSP	+21.85
39	65	04/97	Bobbin	ODI	26	0.35	7TH TSP	+33.02
39	69	04/97	Bobbin	NQI		0.20	11TH TSP	+30.15
39	70	04/97	Bobbin	ODI	24	1.50	8TH TSP	+1.74
39	75	04/97	Bobbin	NQI		1.27	8TH TSP	-1.42
39	82	04/97	Bobbin	ODI	12	0.63	18TH TSP	+8.82
39	85	04/97	Bobbin	NQI		0.51	11TH TSP	+27.70
		04/97	Bobbin	NQI		0.59	10TH TSP	+33.06
		04/97	Bobbin	ODI	63	0.54	17TH TSP	+9.07
39	89	04/97	Bobbin	ODI	11	0.31	14TH TSP	+2.76
39	95	04/97	Bobbin	ADI		2.13	5TH TSP	+11.54
39	96	04/97	Bobbin	ODI	4	1.20	3RD TSP	+25.75
39	97	04/97	Bobbin	ADI		1.66	2AVB	+3.94
		04/97	Bobbin	ODI	11	3.14	14TH TSP	+14.04
		04/97	C/L Special Interest	VOL		0.57	13TH TSP	-9.30
		04/97	C/L Special Interest	VOL		1.07	13TH TSP	-4.10
40	19	04/97	Bobbin	ODI	17	0.93	TTS-HL	+2.79
		04/97	H/L Special Interest	VOL		0.27	TTS-HL	+2.27
40	25	04/97	Bobbin	ODI	20	2.16	4AVB	+4.40
40	26	04/97	Bobbin	ODI	21	0.43	3RD TSP	+7.17
40	28	04/97	Bobbin	NQI		0.26	18TH TSP	+5.90
40	33	04/97	Bobbin	ADI		2.50	11TH TSP	+4.06
40	37	04/97	Bobbin	ODI	17	0.76	13TH TSP	+8.14
		04/97	C/L Special Interest	VOL		0.54	13TH TSP	+7.29
40	50	04/97	Bobbin	ODI	4	0.47	8TH TSP	-1.22
		04/97	Bobbin	ODI	25	0.33	7TH TSP	+7.22
40	60	04/97	Bobbin	ODI	17	0.53	2ND TSP	+10.91
40	80	04/97	Bobbin	ADI		0.97	11TH TSP	+27.91
40	88	04/97	Bobbin	ADI		1.80	1AVB	+12.31
41	25	04/97	Bobbin	ODI	25	0.95	13TH TSP	+2.48
41	29	04/97	Bobbin	NQI		1.01	3RD TSP	+6.53
		04/97	H/L Special Interest	VOL		1.36	3RD TSP	+6.30
41	45	04/97	Bobbin	ODI	8	0.61	11TH TSP	+31.48
		04/97	Bobbin	ODI	12	2.20	11TH TSP	+35.62
41	50	04/97	Bobbin	ODI	25	0.87	TTS-CL	+5.60
		04/97	Bobbin	ODI	16	0.92	13TH TSP	+16.41
41	53	04/97	Bobbin	ODI	14	1.86	1ST TSP	+17.59
41	68	04/97	Bobbin	ODI	20	1.00	11TH TSP	+31.15
41	78	04/97	Bobbin	ODI	14	2.59	1AVB	+25.14
		04/97	Bobbin	ADI		2.50	TTS-CL	+1.85

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	10	1.71	TTS-CL	+3.38
		04/97	Bobbin	NQI		0.34	10TH TSP	+24.60
		04/97	C/L Special Interest	VOL		0.30	TTS-CL	+1.73
		04/97	C/L Special Interest	VOL		0.64	TTS-CL	+3.31
41	80	04/97	Bobbin	ADI		4.61	15TH TSP	+5.50
		04/97	C/L Special Interest	VOL		0.81	15TH TSP	+5.56
41	84	04/97	Bobbin	ADI		2.21	16TH TSP	+7.96
		04/97	C/L Special Interest	VOL		0.66	16TH TSP	+8.08
41	92	04/97	Bobbin	ODI	11	1.00	9TH TSP	+19.18
41	93	04/97	Bobbin	NQI		0.44	11TH TSP	+31.16
42	21	04/97	Bobbin	NQI		3.89	TTS-HL	+17.31
		04/97	Bobbin	NQI		0.32	10TH TSP	+2.28
		04/97	C/L Special Interest	VOL		0.40	10TH TSP	+2.08
42	23	04/97	Bobbin	ODI	6	1.22	16TH TSP	+8.33
42	25	04/97	Bobbin	NQI		0.46	8TH TSP	-0.52
42	34	04/97	Bobbin	ADI		2.53	9TH TSP	+17.66
42	45	04/97	Bobbin	ODI	18	0.58	18TH TSP	+0.53
42	59	04/97	Bobbin	ODI	2	2.55	12TH TSP	+40.34
42	61	04/97	Bobbin	NQI		0.99	3RD TSP	+15.97
		04/97	H/L Special Interest	VOL		1.25	3RD TSP	+16.09
42	68	04/97	Bobbin	ODI	20	3.01	5TH TSP	+31.18
		04/97	H/L Special Interest	VOL		1.03	6TH TSP	-13.39
42	86	04/97	Bobbin	NQI		0.35	13TH TSP	-0.11
		04/97	C/L Special Interest	VOL		2.45	13TH TSP	-0.03
42	87	04/97	Bobbin	NQI		0.47	14TH TSP	+4.87
42	90	04/97	Bobbin	ODI	2	0.45	12TH TSP	+15.48
42	92	04/97	Bobbin	ODI	8	0.75	12TH TSP	+19.66
		04/97	Bobbin	ODI	13	0.99	12TH TSP	+18.42
42	93	04/97	Bobbin	NQI		0.85	1AVB	-11.84 to +28.20
43	22	04/97	Bobbin	NQI		2.46	TTS-HL	+1.38
		04/97	H/L Special Interest	VOL		0.54	TTS-HL	+1.08
43	30	04/97	Bobbin	ODI	18	1.09	9TH TSP	+2.49
43	38	04/97	Bobbin	NQI		0.72	16TH TSP	+1.05
		04/97	Bobbin	NQI		0.83	17TH TSP	+10.92 to +17.35
		04/97	C/L Special Interest	VOL		0.62	17TH TSP	+10.93 to +17.35
43	39	04/97	Bobbin	NQI		0.92	18TH TSP	+14.12 to +17.36
43	41	04/97	Bobbin	ADI		2.71	5TH TSP	+26.52
		04/97	H/L Special Interest	VOL		0.74	5TH TSP	+26.11
43	47	04/97	Bobbin	ODI	22	2.16	4AVB	+27.41
		04/97	Bobbin	NQI		1.42	12TH TSP	+15.58
		04/97	C/L Special Interest	VOL		1.04	12TH TSP	+16.33
43	50	04/97	Bobbin	ODI	15	2.94	13TH TSP	+33.20
		04/97	C/L Special Interest	VOL		1.72	12TH TSP	-8.65
43	59	04/97	Bobbin	ODI	2	1.86	10TH TSP	+37.80
		04/97	Bobbin	ODI	20	1.66	11TH TSP	+9.68
43	66	04/97	Bobbin	ODI	7	2.73	14TH TSP	+3.72
43	67	04/97	Bobbin	ODI	20	0.91	12TH TSP	+40.58
43	90	04/97	Bobbin	ODI	19	0.66	14TH TSP	+9.24
43	91	04/97	Bobbin	ODI	10	0.50	11TH TSP	+8.09
		04/97	C/L Special Interest	VOL		0.61	11TH TSP	+8.12
43	93	04/97	Bobbin	ADI		1.71	TTS-HL	+3.85
		04/97	H/L Special Interest	VOL		0.29	TTS-HL	+3.95
44	23	04/97	Bobbin	NQI		6.30	TTS-HL	+1.59
44	26	04/97	Bobbin	ODI	6	0.48	10TH TSP	+8.98
		04/97	C/L Special Interest	VOL		0.66	10TH TSP	+8.57
44	30	04/97	Bobbin	NQI		0.61	1AVB	+30.53
		04/97	U-Bend	VOL		1.58	1AVB	+28.39
44	33	04/97	Bobbin	ODI	4	1.80	17TH TSP	+7.38
44	35	04/97	Bobbin	ODI	30	0.36	11TH TSP	+22.81
44	39	04/97	Bobbin	ODI	16	1.14	13TH TSP	+11.16
44	49	04/97	Bobbin	ODI	18	1.10	11TH TSP	+39.25
		04/97	C/L Special Interest	VOL		0.59	10TH TSP	-3.75
44	54	04/97	Bobbin	ODI	5	4.07	2ND TSP	+10.40
44	66	04/97	Bobbin	ODI	16	1.02	11TH TSP	+28.36
44	72	04/97	Bobbin	ADI		0.55	14TH TSP	+2.17

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	*TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.61	14TH TSP	+1.83
44	76	04/97	Bobbin	ODI	16	0.68	7TH TSP	+13.53
44	84	04/97	Bobbin	NQI		0.51	3RD TSP	+11.55
44	91	04/97	Bobbin	WAR	16	0.47	2AVB	+0.00
		04/97	Bobbin	ODI	2	0.85	1ST TSP	+20.66
		04/97	Bobbin	ODI	4	1.15	7TH TSP	+30.92
		04/97	Bobbin	ODI	6	0.71	1ST TSP	+16.36
		04/97	Bobbin	ODI	17	0.58	1ST TSP	+18.93
45	38	04/97	Bobbin	NQI		0.30	17TH TSP	+18.24
		04/97	Bobbin	NQI		0.36	15TH TSP	+18.68
		04/97	Bobbin	NQI		3.41	11TH TSP	+35.67
		04/97	Bobbin	ODI	30	0.70	18TH TSP	+8.20
45	39	04/97	Bobbin	NQI		0.95	3AVB	+1.25
		04/97	U-Bend	VOL		0.88	3AVB	+0.85
45	41	04/97	Bobbin	NQI		0.58	10TH TSP	+42.98
45	47	04/97	Bobbin	NQI		0.49	15TH TSP	+21.46
		04/97	Bobbin	ODI	4	3.39	13TH TSP	+10.78
		04/97	Bobbin	ODI	8	1.72	17TH TSP	+28.13
45	55	04/97	Bobbin	ODI	8	3.74	11TH TSP	+31.76
45	60	04/97	Bobbin	ODI	20	1.34	18TH TSP	+7.43
		04/97	Bobbin	ODI	20	1.87	12TH TSP	+22.78
		04/97	C/L Special Interest	VOL		0.44	18TH TSP	+7.43
		04/97	C/L Special Interest	VOL		0.60	12TH TSP	+22.78
45	61	04/97	Bobbin	ODI	17	2.45	2ND TSP	+3.55
45	64	04/97	Bobbin	ADI		5.24	9TH TSP	+35.34
45	66	04/97	Bobbin	ODI	36	0.59	10TH TSP	+2.50
45	67	04/97	Bobbin	ODI	19	1.85	TTS-HL	+5.91
		04/97	H/L Special Interest	VOL		0.47	TTS-HL	+6.11
45	68	04/97	Bobbin	NQI		0.25	10TH TSP	+30.98
		04/97	Bobbin	NQI		0.46	10TH TSP	+24.31
		04/97	C/L Special Interest	VOL		0.90	10TH TSP	+30.73
		04/97	C/L Special Interest	VOL		4.55	10TH TSP	+24.09
45	77	04/97	Bobbin	ADI		1.48	4TH TSP	+5.77
		04/97	Bobbin	ODI	13	2.91	17TH TSP	+18.80
		04/97	H/L Special Interest	VOL		0.30	4TH TSP	+5.93
45	81	04/97	Bobbin	ADI		3.48	2ND TSP	+24.33
		04/97	Bobbin	ODI	20	2.77	2ND TSP	+29.61
		04/97	H/L Special Interest	VOL		0.79	3RD TSP	-11.72
		04/97	H/L Special Interest	VOL		1.57	3RD TSP	-6.62
45	85	04/97	Bobbin	ODI	20	1.03	10TH TSP	+27.05
46	27	04/97	Bobbin	ODI	16	0.31	9TH TSP	-0.75
46	39	04/97	Bobbin	ODI	10	0.99	10TH TSP	+37.35
46	41	04/97	Bobbin	ODI	7	0.63	11TH TSP	+21.91
46	56	04/97	Bobbin	WAR	8	0.34	2AVB	+0.00
46	60	04/97	Bobbin	NQI		0.41	17TH TSP	+13.02
		04/97	Bobbin	ODI	20	1.66	17TH TSP	+29.25
		04/97	Bobbin	ODI	21	0.55	17TH TSP	+24.03
		04/97	Bobbin	ODI	21	0.89	17TH TSP	+26.09
		04/97	C/L Special Interest	VOL		0.55	17TH TSP	+13.02
		04/97	C/L Special Interest	VOL		0.55	17TH TSP	+30.78
		04/97	C/L Special Interest	VOL		0.69	17TH TSP	+28.27
46	71	04/97	Bobbin	NQI		0.54	13TH TSP	+2.46
		04/97	C/L Special Interest	VOL		0.45	13TH TSP	+2.47
46	79	04/97	Bobbin	ADI		1.71	11TH TSP	+16.33
		04/97	Bobbin	ODI	10	0.99	12TH TSP	+40.80
		04/97	Bobbin	ODI	18	1.07	12TH TSP	+26.22
		04/97	C/L Special Interest	VOL		0.54	11TH TSP	+1.34
		04/97	C/L Special Interest	VOL		0.63	11TH TSP	+16.18
46	82	04/97	Bobbin	ODI	20	1.81	17TH TSP	+15.71
		04/97	Bobbin	ODI	25	1.20	15TH TSP	+7.55
		04/97	Bobbin	ODI	28	1.05	12TH TSP	+39.08
46	88	04/97	Bobbin	NQI		0.35	8TH TSP	-0.40
47	27	04/97	Bobbin	WAR	16	0.44	4AVB	+0.00
		04/97	Bobbin	WAR	21	0.67	3AVB	+0.00
47	29	04/97	Bobbin	ADI		2.05	13TH TSP	+30.67

ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.64	13TH TSP	+30.44
47	32	04/97	Bobbin	NQI		0.98	9TH TSP	+2.55
		04/97	Bobbin	NQI		0.31	15TH TSP	+15.68
		04/97	C/L Special Interest	VOL		0.38	15TH TSP	+16.16
47	35	04/97	Bobbin	NQI		0.49	8TH TSP	-0.48
		04/97	Bobbin	ODI	12	0.73	6TH TSP	+5.83
47	38	04/97	Bobbin	ODI	35	0.85	9TH TSP	-1.47
47	42	04/97	Bobbin	ADI		4.28	2AVB	+1.51
		04/97	U-Bend	VOL		1.25	2AVB	+1.70
47	44	04/97	Bobbin	ODI	3	0.92	11TH TSP	+34.11
47	47	04/97	Bobbin	ODI	1	0.53	12TH TSP	+32.24
47	49	04/97	Bobbin	NQI		0.76	9TH TSP	+0.18
		04/97	C/L Special Interest	VOL		0.42	9TH TSP	+0.13
47	51	04/97	Bobbin	ODI	12	1.40	17TH TSP	+21.97
47	62	04/97	Bobbin	ADI		5.01	4AVB	+25.73
		04/97	U-Bend	VOL		0.76	4AVB	+25.73
47	70	04/97	Bobbin	ODI	17	0.95	17TH TSP	+33.81
		04/97	Bobbin	ODI	25	1.20	17TH TSP	+4.24
47	72	04/97	Bobbin	NQI		0.83	2ND TSP	+14.69
		04/97	Bobbin	NQI		1.10	3RD TSP	+6.24
		04/97	H/L Special Interest	VOL		0.51	3RD TSP	+6.24
		04/97	H/L Special Interest	VOL		0.70	2ND TSP	+14.33
47	82	04/97	Bobbin	ADI		1.37	13TH TSP	+32.99
		04/97	C/L Special Interest	VOL		0.61	12TH TSP	-10.14
47	88	04/97	Bobbin	WAR	12	0.34	2AVB	+0.00
48	30	04/97	Bobbin	ODI	24	1.21	2ND TSP	+27.29
48	36	04/97	Bobbin	NQI		0.88	3AVB	+13.14
		04/97	U-Bend	VOL		0.63	3AVB	+4.34
		04/97	Bobbin	ODI	2	2.13	3AVB	+17.08
		04/97	Bobbin	ODI	31	1.75	3AVB	+4.83
48	37	04/97	Bobbin	ODI	4	0.34	11TH TSP	+26.61
48	40	04/97	Bobbin	NQI		0.61	13TH TSP	+19.69
		04/97	C/L Special Interest	VOL		0.58	13TH TSP	+20.50
48	43	04/97	Bobbin	NQI		0.64	9TH TSP	+1.76
48	44	04/97	Bobbin	ODI	8	0.47	11TH TSP	+15.80
		04/97	Bobbin	ODI	19	0.27	10TH TSP	+19.78
48	50	04/97	Bobbin	NQI		0.38	12TH TSP	+2.22
		04/97	Bobbin	NQI		1.46	10TH TSP	+43.24
		04/97	Bobbin	ODI	1	0.99	8TH TSP	-1.62
		04/97	Bobbin	ODI	28	0.96	7TH TSP	+42.67
		04/97	Bobbin	ODI	35	0.85	9TH TSP	+2.50
48	54	04/97	Bobbin	ODI	12	1.69	2ND TSP	+19.29
48	71	04/97	Bobbin	ADI		1.48	4TH TSP	+3.67
		04/97	H/L Special Interest	VOL		0.71	4TH TSP	+4.18
49	46	04/97	Bobbin	ODI	14	3.50	13TH TSP	+20.47
49	50	04/97	Bobbin	ODI	2	1.22	7TH TSP	+41.22
		04/97	Bobbin	ODI	5	0.85	11TH TSP	+23.80
49	55	04/97	Bobbin	ODI	1	1.12	7TH TSP	+8.16
49	56	04/97	Bobbin	ODI	36	0.23	10TH TSP	+6.87
49	60	04/97	Bobbin	NQI		0.67	6TH TSP	+3.34
		04/97	H/L Special Interest	VOL		1.04	6TH TSP	+2.78
49	61	04/97	Bobbin	ODI	13	0.54	13TH TSP	-0.37
49	65	04/97	Bobbin	NQI		0.25	11TH TSP	+7.25
49	69	04/97	Bobbin	NQI		0.43	3RD TSP	+24.59
		04/97	Bobbin	NQI		0.84	10TH TSP	+30.49
		04/97	Bobbin	ODI	21	1.03	4TH TSP	+26.94
		04/97	Bobbin	ODI	28	0.55	11TH TSP	+32.66
		04/97	H/L Special Interest	VOL		0.69	3RD TSP	+24.59
49	70	04/97	Bobbin	ODI	6	0.37	15TH TSP	+18.57
49	72	04/97	Bobbin	ODI	30	0.68	7TH TSP	+27.15
49	73	04/97	Bobbin	ODI	23	0.57	7TH TSP	+32.91
49	74	04/97	Bobbin	ODI	17	1.42	6TH TSP	+37.75
49	80	04/97	Bobbin	NQI		0.52	7TH TSP	+5.83
49	84	04/97	Bobbin	ODI	18	1.31	5TH TSP	+31.63

*****	FTI TUBAN II (Version 2.3)	04/16/1997 15:58:52	*****
*****	Catawba Nuclear Station - Unit Two		*****
*****	S/G B		*****
*****	04/97 RFO		*****
*****	Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend		*****

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ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE

IND #TW VOLTS LOCATION

Total Indications Found = 1104

Total Tubes Found = 594

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
1	6	04/97	Bobbin	ODI	35	0.25	19TH TSP	+2.82
1	13	04/97	Bobbin	NQI		0.79	18TH TSP	+21.52
1	15	04/97	Bobbin	NQI		1.17	16TH TSP	+21.66
		04/97	Bobbin	ODI	11	0.34	16TH TSP	+17.81
		04/97	C/L Special Interest	VOL		0.58	16TH TSP	+22.88
1	16	04/97	Bobbin	ODI	1	0.45	4TH TSP	+6.57
		04/97	Bobbin	ODI	26	0.71	1ST TSP	+4.30
1	18	04/97	Bobbin	ODI	21	0.34	18TH TSP	+15.53
1	19	04/97	Bobbin	ODI	29	0.73	1ST TSP	+22.42
1	20	04/97	Bobbin	NQI		0.24	18TH TSP	+29.05
1	30	04/97	Bobbin	NQI		0.86	5TH TSP	+7.32
		04/97	Bobbin	NQI		0.96	4TH TSP	+41.05
		04/97	Bobbin	NQI		1.04	5TH TSP	+5.32
		04/97	Bobbin	NQI		1.11	5TH TSP	+1.86
		04/97	H/L Special Interest	VOL		0.48	5TH TSP	+7.62
		04/97	H/L Special Interest	VOL		0.66	5TH TSP	+5.31
		04/97	H/L Special Interest	VOL		1.14	5TH TSP	+2.07
		04/97	H/L Special Interest	VOL		1.16	5TH TSP	-2.07
1	40	04/97	Bobbin	NQI		0.63	3RD TSP	+0.43
1	46	04/97	Bobbin	ODI	7	0.33	TTS-HL	+4.48
1	49	04/97	Bobbin	ODI	17	0.28	18TH TSP	+18.73
1	55	04/97	Bobbin	ODI	20	0.30	16TH TSP	-1.53
1	62	04/97	Bobbin	NQI		0.46	18TH TSP	+17.18
		04/97	C/L Special Interest	VOL		0.75	18TH TSP	+18.02
1	63	04/97	Bobbin	ODI	11	0.20	19TH TSP	+3.13
1	68	04/97	Bobbin	ODI	14	1.40	3RD TSP	+26.72
1	69	04/97	Bobbin	ODI	16	0.62	2ND TSP	-1.05
1	77	04/97	Bobbin	NQI		0.47	5TH TSP	+16.56
1	78	04/97	Bobbin	NQI		0.32	4TH TSP	+14.12
		04/97	Bobbin	NQI		0.64	2ND TSP	+12.44
		04/97	H/L Special Interest	VOL		0.41	2ND TSP	+12.35
		04/97	H/L Special Interest	VOL		0.85	4TH TSP	+14.03
1	79	04/97	Bobbin	ADI		4.16	18TH TSP	+18.89
1	84	04/97	Bobbin	NQI		0.42	18TH TSP	+18.70
		04/97	C/L Special Interest	VOL		0.63	18TH TSP	+18.54
1	104	04/97	Bobbin	ODI	2	0.52	2ND TSP	+26.72
		04/97	H/L Special Interest	VOL		0.36	2ND TSP	+25.46
1	110	04/97	Bobbin	ADI		1.71	6TH TSP	+14.11
		04/97	Bobbin	ODI	25	0.45	1ST TSP	+6.31
		04/97	H/L Special Interest	VOL		0.69	6TH TSP	+13.75
1	113	04/97	Bobbin	ODI	16	0.32	14TH TSP	+4.53
2	5	04/97	Bobbin	ADI		2.00	11TH TSP	+35.56
2	8	04/97	Bobbin	ODI	23	0.85	7TH TSP	+5.77
2	13	04/97	Bobbin	ADI		1.11	13TH TSP	+28.42
		04/97	C/L Special Interest	VOL		0.55	13TH TSP	+29.06
2	23	04/97	Bobbin	NQI		0.35	13TH TSP	+15.54
2	31	04/97	Bobbin	ODI	21	0.62	19TH TSP	+6.68
2	55	04/97	Bobbin	NQI		0.27	4TH TSP	+6.82
		04/97	Bobbin	NQI		0.50	4TH TSP	+34.34
2	64	04/97	Bobbin	NQI		0.31	13TH TSP	+6.84
		04/97	Bobbin	ODI	14	0.94	13TH TSP	+4.29
		04/97	Bobbin	ODI	16	1.04	13TH TSP	+3.04
		04/97	Bobbin	ODI	17	0.27	18TH TSP	+19.55
		04/97	Bobbin	ODI	26	0.89	13TH TSP	+1.74
		04/97	Bobbin	ODI	28	0.82	13TH TSP	+5.62
		04/97	C/L Special Interest	VOL		0.54	13TH TSP	+5.82
2	65	04/97	Bobbin	ODI	2	0.49	11TH TSP	+20.55
2	66	04/97	Bobbin	ODI	9	1.08	16TH TSP	+18.80
2	68	04/97	Bobbin	NQI		0.49	2ND TSP	-1.63
		04/97	H/L Special Interest	VOL		0.95	2ND TSP	-1.64
2	74	04/97	Bobbin	ADI		2.62	1ST TSP	+7.83
		04/97	Bobbin	NQI		1.39	12TH TSP	+30.38
		04/97	Bobbin	ODI	15	1.09	1ST TSP	+5.94
		04/97	Bobbin	ODI	15	1.81	12TH TSP	+29.36
		04/97	H/L Special Interest	VOL		0.31	1ST TSP	+7.83

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL			1.01	11TH TSP	-13.07
2	75	04/97	Bobbin	ODI	9		0.56	16TH TSP	+25.35
2	76	04/97	Bobbin	NQI			1.34	6TH TSP	+34.80
		04/97	H/L Special Interest	VOL			0.49	6TH TSP	+34.98
2	78	04/97	Bobbin	ADI			1.00	12TH TSP	+3.40
		04/97	C/L Special Interest	VOL			0.37	12TH TSP	+5.85
		04/97	C/L Special Interest	VOL			0.42	12TH TSP	+3.13
		04/97	C/L Special Interest	VOL			0.52	12TH TSP	-0.85
2	84	04/97	Bobbin	NQI			0.39	6TH TSP	+1.89
2	85	04/97	Bobbin	ODI	16		0.45	13TH TSP	+13.25
2	102	04/97	Bobbin	ODI	15		1.02	11TH TSP	+20.39
2	107	04/97	Bobbin	ODI	18		0.43	5TH TSP	+12.62
2	111	04/97	Bobbin	ODI	2		0.40	2ND TSP	+23.18
		04/97	Bobbin	ODI	20		0.38	2ND TSP	+15.81
3	3	04/97	Bobbin	NQI			0.19	15TH TSP	+4.25
3	15	04/97	Bobbin	NQI			17.09	TTS-CL	+0.16
3	17	04/97	Bobbin	ODI	5		1.03	7TH TSP	+41.58
		04/97	Bobbin	ODI	12		2.52	7TH TSP	+32.23
3	25	04/97	Bobbin	ODI	39		0.27	14TH TSP	+13.59
3	27	04/97	Bobbin	ADI			1.44	14TH TSP	+7.96
		04/97	Bobbin	ODI	28		0.34	13TH TSP	+35.26
		04/97	C/L Special Interest	VOL			0.81	14TH TSP	+7.98
3	33	04/97	Bobbin	ADI			1.67	4TH TSP	+8.21
		04/97	H/L Special Interest	VOL			0.87	4TH TSP	+8.39
3	38	04/97	Bobbin	ODI	12		0.38	3RD TSP	+22.61
3	77	04/97	Bobbin	ADI			1.13	13TH TSP	+40.12
		04/97	Bobbin	ODI	6		0.57	12TH TSP	+5.86
3	78	04/97	Bobbin	ODI	30		0.44	13TH TSP	+0.62
3	97	04/97	Bobbin	ADI			4.10	TTS-CL	+3.17
		04/97	Bobbin	ADI			2.69	13TH TSP	+14.61
		04/97	Bobbin	ADI			4.53	18TH TSP	+12.12
		04/97	C/L Special Interest	VOL			1.42	TTS-CL	+2.94
		04/97	C/L Special Interest	VOL			1.03	13TH TSP	+14.08
		04/97	C/L Special Interest	VOL			1.90	18TH TSP	+11.83
4	18	04/97	Bobbin	NQI			0.28	13TH TSP	+36.99
4	27	04/97	Bobbin	NQI			0.47	5TH TSP	+26.61
		04/97	Bobbin	NQI			0.49	5TH TSP	+23.55
		04/97	Bobbin	NQI			0.56	5TH TSP	+39.37
		04/97	Bobbin	ODI	1		0.52	5TH TSP	+21.26
		04/97	Bobbin	ODI	5		0.56	5TH TSP	+11.56
		04/97	Bobbin	ODI	14		1.91	5TH TSP	+19.11
		04/97	H/L Special Interest	VOL			0.60	6TH TSP	-20.69
		04/97	H/L Special Interest	VOL			2.22	6TH TSP	-24.53
4	31	04/97	Bobbin	ODI	13		0.96	12TH TSP	+16.18
4	37	04/97	Bobbin	ODI	24		0.22	15TH TSP	+14.36
4	38	04/97	Bobbin	ADI			1.78	1ST TSP	+11.54
		04/97	H/L Special Interest	VOL			0.99	1ST TSP	+12.13
4	39	04/97	Bobbin	NQI			0.59	TTS-HL	+2.64
		04/97	Bobbin	ADI			2.43	6TH TSP	+22.44
		04/97	Bobbin	NQI			0.35	10TH TSP	+41.68
		04/97	H/L Special Interest	VOL			1.03	TTS-HL	+2.70
		04/97	H/L Special Interest	VOL			1.15	6TH TSP	+23.48
4	49	04/97	Bobbin	ODI	29		0.27	3RD TSP	+3.12
4	69	04/97	Bobbin	ADI			1.42	11TH TSP	+20.81
		04/97	C/L Special Interest	VOL			0.46	11TH TSP	+21.35
4	84	04/97	Bobbin	NQI			0.25	5TH TSP	+0.72 to +12.93
		04/97	H/L Special Interest	VOL			0.34	5TH TSP	+0.68
4	103	04/97	Bobbin	ADI			3.96	2ND TSP	+33.17
		04/97	H/L Special Interest	VOL			0.54	2ND TSP	+32.28
		04/97	H/L Special Interest	VOL			0.63	2ND TSP	+33.18
4	113	04/97	Bobbin	ADI			1.43	13TH TSP	+22.95
		04/97	C/L Special Interest	VOL			0.57	13TH TSP	+4.69
		04/97	C/L Special Interest	VOL			0.63	13TH TSP	+23.38
		04/97	C/L Special Interest	VOL			0.64	13TH TSP	+3.57
5	9	04/97	Bobbin	ODI	19		0.29	13TH TSP	+7.72

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
5	32	04/97	Bobbin	ODI	29	1.09	4TH TSP	+8.69
5	49	04/97	Bobbin	NQI		0.42	14TH TSP	-1.19
		04/97	C/L Special Interest	VOL		0.17	14TH TSP	-1.19
5	65	04/97	Bobbin	ADI		8.35	8TH TSP	+17.19
5	72	04/97	Bobbin	ODI	4	1.23	5TH TSP	+14.16
		04/97	H/L Special Interest	VOL		1.67	5TH TSP	+14.01
5	80	04/97	Bobbin	ADI		1.09	16TH TSP	+13.25
		04/97	C/L Special Interest	VOL		0.42	16TH TSP	+13.67
5	87	04/97	Bobbin	ODI	21	0.55	5TH TSP	+20.74
		04/97	H/L Special Interest	VOL		0.76	5TH TSP	+20.44
5	92	04/97	Bobbin	ODI	14	0.72	13TH TSP	+22.83
5	93	04/97	Bobbin	ODI	29	0.24	15TH TSP	+13.26
5	101	04/97	Bobbin	ODI	9	0.65	1ST TSP	+21.26
5	104	04/97	Bobbin	ODI	13	0.95	4TH TSP	+24.94
5	107	04/97	Bobbin	ODI	20	0.83	TTS-HL	+6.04
6	42	04/97	Bobbin	ODI	10	0.78	8TH TSP	+1.63
6	68	04/97	Bobbin	ODI	7	0.83	1ST TSP	+10.64
6	86	04/97	Bobbin	ODI	15	0.35	12TH TSP	+6.33
6	89	04/97	Bobbin	ODI	19	0.32	3RD TSP	+16.70
6	98	04/97	Bobbin	ODI	4	1.11	11TH TSP	+6.59
6	103	04/97	Bobbin	ADI		0.66	4TH TSP	+3.25
		04/97	Bobbin	ADI		2.49	4TH TSP	+5.41
		04/97	H/L Special Interest	VOL		1.06	4TH TSP	+3.25
		04/97	H/L Special Interest	VOL		1.11	4TH TSP	+5.41
7	35	04/97	Bobbin	ODI	2	1.19	18TH TSP	+16.15
		04/97	C/L Special Interest	VOL		0.77	17TH TSP	-2.19
7	39	04/97	Bobbin	ODI	18	2.95	4TH TSP	+4.20
		04/97	H/L Special Interest	VOL		1.95	4TH TSP	+4.41
7	41	04/97	Bobbin	ADI		0.95	1ST TSP	+2.73
		04/97	Bobbin	ODI	10	0.36	6TH TSP	+3.78
		04/97	Bobbin	ODI	12	0.35	1ST TSP	+11.12
		04/97	Bobbin	ODI	12	0.65	2ND TSP	+19.33
7	64	04/97	Bobbin	ODI	16	0.18	1ST TSP	+4.74
		04/97	Bobbin	ODI	3	0.22	10TH TSP	+27.29
7	71	04/97	Bobbin	ADI		0.67	13TH TSP	+3.91
		04/97	Bobbin	NQI		0.33	13TH TSP	+33.29
		04/97	C/L Special Interest	VOL		1.77	13TH TSP	+33.82
		04/97	C/L Special Interest	VOL		1.94	13TH TSP	+3.82
7	83	04/97	Bobbin	NQI		0.28	12TH TSP	+10.97
		04/97	Bobbin	NQI		0.29	12TH TSP	+8.16
		04/97	Bobbin	ODI	7	0.89	13TH TSP	+23.98
		04/97	Bobbin	ODI	11	0.48	13TH TSP	+29.55
		04/97	C/L Special Interest	VOL		1.29	12TH TSP	+8.33
		04/97	C/L Special Interest	VOL		2.04	12TH TSP	+11.15
8	10	04/97	Bobbin	NQI		0.33	5TH TSP	+19.86
		04/97	Bobbin	ODI	3	0.51	5TH TSP	+15.73
8	31	04/97	Bobbin	ODI	12	0.29	5TH TSP	+29.73
8	46	04/97	Bobbin	ODI	3	0.76	7TH TSP	+19.35
8	49	04/97	Bobbin	ODI	9	0.39	15TH TSP	+9.73
8	50	04/97	Bobbin	ODI	5	0.55	3RD TSP	+20.88
		04/97	Bobbin	ODI	7	0.73	3RD TSP	+26.23
		04/97	Bobbin	ODI	7	0.44	15TH TSP	+12.27
8	56	04/97	Bobbin	ADI		0.43	7TH TSP	+30.27
		04/97	Bobbin	NQI		0.24	7TH TSP	+43.84
		04/97	Bobbin	ODI	12	0.25	7TH TSP	+44.17
8	76	04/97	Bobbin	ODI	29	1.44	5TH TSP	+33.00
8	83	04/97	Bobbin	ODI	3	0.75	12TH TSP	+28.12
8	85	04/97	Bobbin	NQI		0.97	1ST TSP	+21.89
		04/97	H/L Special Interest	VOL		1.91	1ST TSP	+21.74
8	103	04/97	Bobbin	ADI		0.42	16TH TSP	+10.48
		04/97	C/L Special Interest	VOL		0.52	16TH TSP	+10.16
9	8	04/97	Bobbin	ODI	3	0.63	11TH TSP	+34.37
9	14	04/97	Bobbin	NQI		0.30	2ND TSP	+30.35
		04/97	H/L Special Interest	VOL		1.45	3RD TSP	-6.11
9	18	04/97	Bobbin	ODI	15	0.76	10TH TSP	+24.82

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
9	41	04/97	Bobbin	ADI		1.74	17TH TSP	+8.96
		04/97	C/L Special Interest	VOL		0.54	17TH TSP	+9.01
		04/97	C/L Special Interest	VOL		2.31	17TH TSP	+8.92
9	49	04/97	Bobbin	ODI	4	0.51	7TH TSP	+27.36
		04/97	Bobbin	ODI	18	1.00	7TH TSP	+8.10
9	55	04/97	Bobbin	ODI	14	0.23	4TH TSP	+10.41
9	84	04/97	Bobbin	ODI	17	0.47	4TH TSP	+22.28
9	98	04/97	Bobbin	ADI		1.59	8TH TSP	+25.12
9	112	04/97	Bobbin	ADI		0.51	4TH TSP	+29.91
		04/97	Bobbin	ADI		0.87	4TH TSP	+33.18
		04/97	Bobbin	ADI		1.29	4TH TSP	+35.79
		04/97	Bobbin	ADI		1.31	4TH TSP	+31.85
		04/97	Bobbin	NQI		0.77	3RD TSP	+21.47
		04/97	Bobbin	ADI		1.44	5TH TSP	+2.81 to +21.37
		04/97	H/L Special Interest	VOL		0.39	4TH TSP	+33.19
		04/97	H/L Special Interest	VOL		0.46	3RD TSP	+21.08
		04/97	H/L Special Interest	VOL		0.69	4TH TSP	+31.85
		04/97	H/L Special Interest	VOL		0.70	4TH TSP	+35.79
		04/97	H/L Special Interest	VOL		0.93	4TH TSP	+29.78
		04/97	H/L Special Interest	VOL		0.23	5TH TSP	+2.80 to +21.37
10	4	04/97	Bobbin	ADI		1.61	1ST TSP	-0.93
		04/97	Bobbin	NQI		0.21	13TH TSP	+14.28
		04/97	Bobbin	ODI	6	0.51	15TH TSP	+5.80
		04/97	C/L Special Interest	VOL		0.38	13TH TSP	+13.81
10	11	04/97	Bobbin	ODI	27	1.49	2ND TSP	+11.25
10	43	04/97	Bobbin	NQI		0.44	13TH TSP	+23.78
		04/97	C/L Special Interest	VOL		0.58	13TH TSP	+22.49
10	49	04/97	Bobbin	ODI	23	0.51	1ST TSP	+5.09
10	51	04/97	Bobbin	NQI		0.38	16TH TSP	-1.49
		04/97	C/L Special Interest	VOL		0.45	16TH TSP	-1.59
10	79	04/97	Bobbin	ODI	17	1.53	13TH TSP	+23.65
		04/97	C/L Special Interest	VOL		1.18	13TH TSP	+23.86
11	2	04/97	Bobbin	NQI		0.25	14TH TSP	+10.65
11	41	04/97	Bobbin	NQI		0.41	11TH TSP	+4.91
		04/97	C/L Special Interest	VOL		0.78	11TH TSP	+5.08
11	65	04/97	Bobbin	ODI	12	0.72	7TH TSP	+36.89
11	68	04/97	Bobbin	ADI		1.28	6TH TSP	+29.93
		04/97	H/L Special Interest	VOL		0.25	6TH TSP	+18.81
		04/97	H/L Special Interest	VOL		0.56	6TH TSP	+16.67
11	93	04/97	Bobbin	ODI	20	0.73	11TH TSP	+32.82
11	98	04/97	Bobbin	ADI		2.03	6TH TSP	+21.92
		04/97	H/L Special Interest	VOL		0.77	6TH TSP	+22.14
11	102	04/97	Bobbin	ADI		1.23	5TH TSP	+4.97
		04/97	H/L Special Interest	VOL		1.54	5TH TSP	+4.74
11	107	04/97	Bobbin	ODI	4	1.95	2ND TSP	+31.15
11	109	04/97	Bobbin	NQI		0.16	11TH TSP	+22.79
11	112	04/97	Bobbin	ADI		3.36	10TH TSP	+26.52
		04/97	Bobbin	ODI	7	2.18	10TH TSP	+7.56
12	15	04/97	Bobbin	NQI		0.33	TTS-HL	+4.03
		04/97	Bobbin	NQI		0.91	TTS-HL	+3.44
		04/97	H/L Special Interest	VOL		1.82	TTS-HL	+3.04
12	21	04/97	Bobbin	NQI		0.19	19TH TSP	+2.69
		04/97	Bobbin	NQI		0.38	17TH TSP	+7.86
		04/97	C/L Special Interest	VOL		0.95	17TH TSP	+7.86
12	30	04/97	Bobbin	ODI	17	0.34	13TH TSP	+14.96
12	41	04/97	Bobbin	ADI		0.92	17TH TSP	+3.06
		04/97	Bobbin	NQI		0.83	17TH TSP	+7.13
		04/97	Bobbin	ODI	8	0.51	2ND TSP	+30.18
		04/97	C/L Special Interest	VOL		0.42	17TH TSP	+2.83
		04/97	C/L Special Interest	VOL		0.86	17TH TSP	+7.63
12	59	04/97	Bobbin	ODI	10	0.56	7TH TSP	+38.18
12	74	04/97	Bobbin	ODI	22	0.45	8TH TSP	+0.78
12	77	04/97	Bobbin	ODI	5	0.31	19TH TSP	+3.56
12	93	04/97	Bobbin	NQI		0.78	5TH TSP	+1.77 to +9.41
		04/97	H/L Special Interest	VOL		1.05	5TH TSP	+1.78 to +11.57

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION	
12	98	04/97	Bobbin	ODI	2	1.51	4TH TSP	+10.88
13	8	04/97	Bobbin	NQI		0.27	7TH TSP	+15.12
		04/97	Bobbin	ODI	13	0.51	10TH TSP	+9.86
		04/97	Bobbin	ODI	22	0.26	10TH TSP	+7.02
13	9	04/97	Bobbin	ODI	26	0.24	7TH TSP	+30.24
13	35	04/97	Bobbin	ODI	8	0.15	TTS-HL	+2.18
		04/97	Bobbin	ODI	13	0.25	TTS-HL	+2.13
		04/97	Bobbin	ODI	29	0.53	10TH TSP	+2.95
		04/97	Bobbin	ODI	32	0.17	11TH TSP	+29.96
13	55	04/97	Bobbin	NQI		0.29	13TH TSP	+35.33
		04/97	Bobbin	ODI	27	0.37	12TH TSP	+10.92
		04/97	C/L Special Interest	VOL		0.39	12TH TSP	+10.57
		04/97	C/L Special Interest	VOL		0.40	12TH TSP	-7.58
		04/97	C/L Special Interest	VOL		0.43	12TH TSP	-8.35
13	89	04/97	Bobbin	ODI	1	1.32	7TH TSP	+27.31
		04/97	H/L Special Interest	VOL		1.24	7TH TSP	+27.25
13	91	04/97	Bobbin	ADI		2.18	16TH TSP	+10.73
		04/97	Bobbin	ODI	13	0.89	1ST TSP	+10.77
		04/97	C/L Special Interest	VOL		0.95	16TH TSP	+10.49
13	110	04/97	Bobbin	ODI	16	0.56	12TH TSP	+2.58
13	111	04/97	Bobbin	NQI		0.26	10TH TSP	+12.22
		04/97	Bobbin	ODI	13	0.39	7TH TSP	+30.11
14	5	04/97	Bobbin	NQI		1.05	7TH TSP	+42.76
14	6	04/97	Bobbin	ODI	21	0.32	7TH TSP	+28.58
14	15	04/97	Bobbin	NQI		0.13	15TH TSP	+10.58
14	17	04/97	Bobbin	ODI	8	0.63	15TH TSP	+8.85
		04/97	Bobbin	ODI	15	0.83	18TH TSP	+3.36
		04/97	Bobbin	ODI	30	1.21	18TH TSP	+0.89
14	19	04/97	Bobbin	ADI		1.28	TTS-CL	+7.00
		04/97	Bobbin	NQI		0.40	3RD TSP	+0.08
		04/97	Bobbin	NQI		2.72	2ND TSP	+20.32
		04/97	C/L Special Interest	VOL		0.59	19TH TSP	-1.77
14	30	04/97	Bobbin	NQI		0.66	11TH TSP	+15.51
		04/97	C/L Special Interest	VOL		0.67	11TH TSP	+16.09
14	51	04/97	Bobbin	ODI	6	0.22	4TH TSP	+7.37
		04/97	Bobbin	ODI	7	0.28	4TH TSP	+7.97
14	108	04/97	Bobbin	ADI		1.67	13TH TSP	+2.60
		04/97	C/L Special Interest	VOL		0.56	13TH TSP	+2.50
		04/97	C/L Special Interest	VOL		0.62	13TH TSP	+1.10
15	6	04/97	Bobbin	NQI		0.55	17TH TSP	+13.11
		04/97	Bobbin	ODI	12	0.73	7TH TSP	+26.52
		04/97	C/L Special Interest	VOL		0.44	16TH TSP	-4.95
15	23	04/97	Bobbin	NQI		0.17	11TH TSP	+39.51
		04/97	Bobbin	NQI		0.26	11TH TSP	+35.73
		04/97	Bobbin	NQI		0.43	11TH TSP	+31.54
		04/97	C/L Special Interest	VOL		0.95	10TH TSP	-11.64
		04/97	C/L Special Interest	VOL		1.30	10TH TSP	-7.27
		04/97	C/L Special Interest	VOL		1.38	10TH TSP	-3.49
15	50	04/97	Bobbin	ODI	11	0.56	3RD TSP	+4.24
15	64	04/97	Bobbin	ADI		1.75	TTS-CL	+5.04
		04/97	C/L Special Interest	VOL		0.67	TTS-CL	+4.30
15	98	04/97	Bobbin	ADI		1.41	13TH TSP	+39.14
15	99	04/97	Bobbin	ADI		1.33	11TH TSP	+28.88
		04/97	Bobbin	ADI		1.47	11TH TSP	+16.61
		04/97	Bobbin	ODI	11	0.24	10TH TSP	+9.12
		04/97	Bobbin	ODI	11	0.69	11TH TSP	+20.46
		04/97	C/L Special Interest	VOL		0.47	11TH TSP	+22.00
		04/97	C/L Special Interest	VOL		0.97	11TH TSP	+28.54
15	104	04/97	Bobbin	ADI		5.16	12TH TSP	+35.26
		04/97	C/L Special Interest	VOL		1.10	11TH TSP	-7.74
16	43	04/97	Bobbin	ODI	10	0.72	TTS-HL	+4.06
16	62	04/97	Bobbin	NQI		0.61	6TH TSP	+34.75
		04/97	H/L Special Interest	VOL		0.74	6TH TSP	+34.63
16	65	04/97	Bobbin	ODI	5	0.84	7TH TSP	+32.04
		04/97	Bobbin	ODI	15	0.47	7TH TSP	+33.12

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	7	0.64	10TH TSP	+29.52
16	78	04/97	Bobbin	NQI		0.96	7TH TSP	+29.95
		04/97	Bobbin	ODI	17	0.57	7TH TSP	+21.13
		04/97	Bobbin	ODI	19	0.25	7TH TSP	+33.93
		04/97	Bobbin	ODI	22	0.82	12TH TSP	+16.26
		04/97	Bobbin	NQI		0.44	10TH TSP	+30.99 to +33.42
16	91	04/97	Bobbin	ODI	10	0.34	7TH TSP	+10.07
16	98	04/97	Bobbin	ODI	16	1.98	15TH TSP	+4.86
17	11	04/97	Bobbin	ODI	12	0.32	7TH TSP	+43.60
17	14	04/97	Bobbin	NQI		0.23	12TH TSP	+32.54
		04/97	Bobbin	ODI	34	0.41	13TH TSP	+19.47
17	73	04/97	Bobbin	ODI	26	0.26	10TH TSP	+12.50
17	88	04/97	Bobbin	ODI	17	0.70	15TH TSP	+15.74
17	89	04/97	Bobbin	ODI	32	0.63	18TH TSP	+4.37
17	91	04/97	Bobbin	ADI		2.82	18TH TSP	+12.25
		04/97	C/L Special Interest	VOL		1.24	18TH TSP	+12.59
17	111	04/97	Bobbin	NQI		0.58	9TH TSP	-1.22
18	15	04/97	Bobbin	ODI	13	0.30	TTS-HL	+5.24
		04/97	Bobbin	NQI		0.34	14TH TSP	+6.78
		04/97	Bobbin	NQI		0.35	15TH TSP	+10.25
18	29	04/97	Bobbin	ODI	19	1.38	19TH TSP	-1.25
		04/97	C/L Special Interest	VOL		1.37	19TH TSP	-1.27
18	36	04/97	Bobbin	ODI	12	0.58	3RD TSP	+29.74
18	41	04/97	Bobbin	ODI	12	1.31	2ND TSP	+28.20
18	63	04/97	Bobbin	ADI		0.93	12TH TSP	+3.05
		04/97	Bobbin	ODI	11	0.50	13TH TSP	+31.54
		04/97	Bobbin	ODI	14	0.30	13TH TSP	+30.51
18	85	04/97	Bobbin	NQI		1.36	TTS-HL	+3.17
		04/97	H/L Special Interest	VOL		1.46	TTS-HL	+3.13
18	102	04/97	Bobbin	ADI		2.78	10TH TSP	+26.24
		04/97	C/L Special Interest	VOL		1.01	10TH TSP	+25.90
19	6	04/97	Bobbin	ODI	14	0.20	17TH TSP	+8.14
19	21	04/97	Bobbin	ODI	9	0.75	10TH TSP	+43.82
19	29	04/97	Bobbin	ODI	26	1.08	7TH TSP	+26.26
19	46	04/97	Bobbin	NQI		0.46	17TH TSP	+4.90
		04/97	C/L Special Interest	VOL		0.55	17TH TSP	+4.95
19	51	04/97	Bobbin	ODI	21	0.60	2ND TSP	+10.60
		04/97	H/L Special Interest	VOL		1.13	2ND TSP	+11.31
19	63	04/97	Bobbin	NQI		0.63	14TH TSP	+3.71
		04/97	C/L Special Interest	VOL		0.73	14TH TSP	+4.18
19	64	04/97	Bobbin	ODI	1	2.29	4TH TSP	+39.28
19	88	04/97	Bobbin	ODI	24	0.77	11TH TSP	+29.39
		04/97	C/L Special Interest	VOL		0.52	10TH TSP	-13.61
19	102	04/97	Bobbin	ODI	35	0.21	3RD TSP	+21.75
19	107	04/97	Bobbin	ODI	16	2.32	7TH TSP	+30.78
20	11	04/97	Bobbin	ODI	6	0.67	1ST TSP	+7.70
20	24	04/97	Bobbin	NQI		0.32	15TH TSP	+7.95
		04/97	Bobbin	ODI	21	0.28	18TH TSP	+6.44
20	29	04/97	Bobbin	ODI	16	1.78	10TH TSP	+7.51
20	43	04/97	Bobbin	ODI	24	0.49	11TH TSP	+34.00
20	47	04/97	Bobbin	NQI		0.25	10TH TSP	+3.18
		04/97	Bobbin	ODI	10	2.35	11TH TSP	+27.55
		04/97	C/L Special Interest	VOL		0.31	10TH TSP	+3.30
20	59	04/97	Bobbin	NQI		0.37	10TH TSP	+42.27
20	62	04/97	Bobbin	ODI	21	0.82	10TH TSP	+44.25
20	64	04/97	Bobbin	ADI		0.45	7TH TSP	+4.09
		04/97	Bobbin	NQI		0.13	11TH TSP	+40.07
		04/97	Bobbin	ODI	9	0.80	7TH TSP	+3.09
		04/97	Bobbin	ODI	2	0.34	11TH TSP	+41.19
		04/97	Bobbin	ODI	8	0.40	10TH TSP	+8.19
20	65	04/97	Bobbin	NQI		0.29	9TH TSP	-0.14
		04/97	Bobbin	NQI		0.26	10TH TSP	+22.13
20	66	04/97	Bobbin	ODI	14	0.28	4TH TSP	+7.30
20	89	04/97	Bobbin	NQI		0.61	7TH TSP	+29.94
20	92	04/97	Bobbin	NQI		0.53	8TH TSP	-1.40

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
21	5	04/97	Bobbin	NQI		0.13	17TH TSP +10.95
		04/97	Bobbin	NQI		0.16	17TH TSP +6.89
21	17	04/97	Bobbin	NQI		0.73	4AVB +5.53
21	24	04/97	Bobbin	ODI	7	2.15	12TH TSP +40.95
21	44	04/97	Bobbin	ODI	12	0.66	3RD TSP +27.55
21	64	04/97	Bobbin	NQI		0.28	4TH TSP +30.74
		04/97	Bobbin	ODI	25	0.14	10TH TSP +36.85
		04/97	H/L Special Interest	VOL		0.59	4TH TSP +30.67
21	66	04/97	Bobbin	NQI		-0.25	7TH TSP +25.41
21	67	04/97	Bobbin	ODI	7	0.28	10TH TSP +33.49
		04/97	Bobbin	ODI	7	0.53	10TH TSP +34.63
21	94	04/97	Bobbin	ADI		1.79	11TH TSP +35.96
21	95	04/97	Bobbin	NQI		0.30	1ST TSP +5.77
		04/97	H/L Special Interest	VOL		0.50	1ST TSP +5.93
21	98	04/97	Bobbin	NQI		1.13	7TH TSP +28.93
		04/97	H/L Special Interest	VOL		0.82	7TH TSP +27.92
21	109	04/97	Bobbin	ADI		0.31	10TH TSP +38.74
22	11	04/97	Bobbin	NQI		0.59	4TH TSP +3.92
		04/97	H/L Special Interest	VOL		0.51	4TH TSP +5.33
		04/97	H/L Special Interest	VOL		0.89	4TH TSP +4.05
22	17	04/97	Bobbin	ODI	33	1.66	13TH TSP +1.85
22	44	04/97	Bobbin	ODI	8	0.83	13TH TSP +37.04
22	72	04/97	Bobbin	ODI	25	0.34	7TH TSP +29.27
22	73	04/97	Bobbin	NQI		0.53	4TH TSP -0.32
22	75	04/97	Bobbin	NQI		0.34	10TH TSP +21.93
		04/97	Bobbin	ODI	5	0.40	12TH TSP +20.07
		04/97	C/L Special Interest	VOL		0.60	10TH TSP +21.93
22	77	04/97	Bobbin	ODI	10	0.47	10TH TSP +41.12
22	81	04/97	Bobbin	ADI		2.10	4TH TSP +21.02
		04/97	H/L Special Interest	VOL		1.04	4TH TSP +21.27
22	90	04/97	Bobbin	ODI	17	1.69	6TH TSP +2.69
22	93	04/97	Bobbin	NQI		1.21	7TH TSP +41.60
		04/97	Bobbin	NQI		0.51	10TH TSP +42.93
22	100	04/97	Bobbin	ODI	11	1.15	15TH TSP +13.44
22	104	04/97	Bobbin	ADI		1.05	17TH TSP +1.80
		04/97	Bobbin	ADI		1.75	17TH TSP +4.40
		04/97	C/L Special Interest	VOL		0.41	17TH TSP +1.87
		04/97	C/L Special Interest	VOL		0.47	17TH TSP +5.28
22	107	04/97	Bobbin	ADI		1.45	12TH TSP +36.42
		04/97	Bobbin	ODI	15	0.36	7TH TSP +23.67
		04/97	C/L Special Interest	VOL		0.48	11TH TSP -7.74
23	6	04/97	Bobbin	NQI		0.15	14TH TSP +9.81
		04/97	Bobbin	ODI	2	1.03	5TH TSP +15.37
		04/97	Bobbin	ODI	3	0.49	9TH TSP +13.45
		04/97	Bobbin	ODI	3	0.70	4TH TSP +20.84
		04/97	Bobbin	ODI	17	1.28	8TH TSP +7.11
		04/97	Bobbin	ODI	6	1.13	12TH TSP +22.74
		04/97	C/L Special Interest	VOL		0.47	12TH TSP +21.87
23	73	04/97	Bobbin	ODI	5	0.98	2ND TSP +32.94
		04/97	Bobbin	ODI	20	0.89	2ND TSP +30.49
23	76	04/97	Bobbin	NQI		0.29	10TH TSP +35.57
23	83	04/97	Bobbin	ODI	25	0.33	12TH TSP +11.20
23	90	04/97	Bobbin	ODI	15	0.33	7TH TSP +28.57
23	91	04/97	Bobbin	ODI	7	0.40	7TH TSP +1.65
23	102	04/97	Bobbin	ODI	10	1.33	12TH TSP +7.43
24	8	04/97	Bobbin	ODI	10	1.18	5TH TSP +4.73
24	20	04/97	Bobbin	NQI		0.30	5TH TSP +15.69
		04/97	H/L Special Interest	VOL		1.53	5TH TSP +16.19
24	27	04/97	Bobbin	NQI		0.41	6TH TSP +26.30
		04/97	Bobbin	ODI	3	0.39	13TH TSP +34.86
		04/97	H/L Special Interest	VOL		0.85	6TH TSP +26.53
24	60	04/97	Bobbin	NQI		0.29	10TH TSP +35.14
		04/97	Bobbin	ODI	7	0.63	10TH TSP +42.33
		04/97	Bobbin	ODI	15	0.23	10TH TSP +40.73
		04/97	Bobbin	ODI	21	0.48	10TH TSP +38.18

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		04/97	C/L Special Interest	VOL		1.15	10TH TSP	+38.18
		04/97	C/L Special Interest	VOL		1.38	10TH TSP	+35.14
		04/97	C/L Special Interest	VOL		2.25	10TH TSP	+42.33
24	61	04/97	Bobbin	ODI	8	0.87	17TH TSP	+11.28
24	64	04/97	Bobbin	ODI	34	0.28	12TH TSP	+8.67
24	65	04/97	Bobbin	NQI		0.58	10TH TSP	+4.04
		04/97	Bobbin	NQI		0.99	18TH TSP	+3.97
		04/97	C/L Special Interest	VOL		0.60	10TH TSP	+4.19
		04/97	C/L Special Interest	VOL		0.98	18TH TSP	+3.97
24	66	04/97	Bobbin	ADI		0.89	17TH TSP	+12.14
		04/97	Bobbin	NQI		0.39	15TH TSP	+12.06
		04/97	C/L Special Interest	VOL		0.28	17TH TSP	+12.14
		04/97	C/L Special Interest	VOL		0.33	15TH TSP	+2.32
24	86	04/97	Bobbin	ODI	38	0.23	10TH TSP	+41.81
24	87	04/97	Bobbin	NQI		0.44	10TH TSP	+19.50
		04/97	C/L Special Interest	VOL		0.31	10TH TSP	+20.81
24	97	04/97	Bobbin	NQI		0.21	6TH TSP	+33.12
25	7	04/97	Bobbin	ODI	21	0.21	17TH TSP	+5.61
25	15	04/97	Bobbin	ODI	18	0.33	18TH TSP	+7.38
25	25	04/97	Bobbin	ODI	14	0.93	5TH TSP	+22.16
25	26	04/97	Bobbin	ODI	33	0.09	10TH TSP	+40.84
25	29	04/97	Bobbin	ODI	15	0.35	8TH TSP	-0.42
25	30	04/97	Bobbin	ADI		0.77	18TH TSP	+7.46
		04/97	Bobbin	ODI	15	0.54	7TH TSP	+41.29
		04/97	C/L Special Interest	VOL		0.17	18TH TSP	+7.40
25	31	04/97	Bobbin	ODI	30	0.32	7TH TSP	+3.59
25	39	04/97	Bobbin	NQI		0.32	7TH TSP	+36.60
25	45	04/97	Bobbin	ADI		3.83	7TH TSP	+16.74
		04/97	H/L Special Interest	VOL		0.65	7TH TSP	+16.50
25	50	04/97	Bobbin	ODI	23	0.60	12TH TSP	+23.44
		04/97	C/L Special Interest	VOL		0.42	12TH TSP	+24.28
25	55	04/97	Bobbin	ODI	16	0.24	16TH TSP	-1.46
25	56	04/97	Bobbin	ODI	2	0.32	TTS-HL	+1.72
		04/97	H/L Special Interest	VOL		0.48	TTS-HL	+2.04
25	64	04/97	Bobbin	ADI		0.85	4TH TSP	+32.83
		04/97	H/L Special Interest	VOL		0.38	4TH TSP	+32.83
25	66	04/97	Bobbin	ODI	6	0.39	7TH TSP	+2.03
25	75	04/97	Bobbin	ADI		0.79	3RD TSP	+16.91
		04/97	Bobbin	ADI		0.81	3RD TSP	+13.75
		04/97	Bobbin	ADI		1.13	3RD TSP	+10.76
		04/97	Bobbin	ODI	5	0.72	2ND TSP	+32.26
		04/97	H/L Special Interest	VOL		0.34	3RD TSP	+16.68
		04/97	H/L Special Interest	VOL		0.48	3RD TSP	+13.55
		04/97	H/L Special Interest	VOL		0.49	3RD TSP	+10.74
		04/97	H/L Special Interest	VOL		0.52	3RD TSP	+19.58
		04/97	H/L Special Interest	VOL		0.59	3RD TSP	-3.69
25	86	04/97	Bobbin	ODI	9	0.68	16TH TSP	+11.91
26	8	04/97	Bobbin	ODI	5	0.32	12TH TSP	+18.22
26	10	04/97	Bobbin	NQI		0.17	19TH TSP	+6.74
26	23	04/97	Bobbin	ODI	15	0.32	19TH TSP	+4.85
26	32	04/97	Bobbin	ODI	5	0.61	TTS-CL	+5.91
26	40	04/97	Bobbin	ODI	31	0.19	10TH TSP	+21.99
26	48	04/97	Bobbin	ODI	8	0.42	18TH TSP	+2.44
26	63	04/97	Bobbin	ODI	14	0.39	14TH TSP	+5.80
26	66	04/97	Bobbin	ODI	29	0.78	3RD TSP	+21.28
26	67	04/97	Bobbin	ODI	29	0.29	14TH TSP	+10.35
26	72	04/97	Bobbin	NQI		0.44	13TH TSP	+12.72
		04/97	C/L Special Interest	VOL		1.13	13TH TSP	+12.72
26	75	04/97	Bobbin	ODI	5	0.76	10TH TSP	+44.12
26	80	04/97	Bobbin	ODI	29	0.38	13TH TSP	-1.17
26	90	04/97	Bobbin	ODI	17	0.35	7TH TSP	+36.53
		04/97	Bobbin	ODI	22	0.35	17TH TSP	+5.49
26	97	04/97	Bobbin	ADI		0.70	15TH TSP	+13.88
		04/97	Bobbin	ADI		0.98	15TH TSP	+14.96
		04/97	C/L Special Interest	VOL		0.47	15TH TSP	+13.10

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

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.51	15TH TSP	+14.24
26	105	04/97	Bobbin	ODI	7	0.36	12TH TSP	+30.49
27	9	04/97	U-Bend	VOL		3.46	2AVB	+0.00
		04/97	Bobbin	WAR	26	1.24	2AVB	+0.00
27	15	04/97	Bobbin	NQI		0.57	17TH TSP	+0.95
		04/97	C/L Special Interest	VOL		0.70	17TH TSP	+0.99
27	24	04/97	Bobbin	NQI		0.62	7TH TSP	+43.89
27	25	04/97	Bobbin	ADI		3.51	18TH TSP	+13.01
27	43	04/97	Bobbin	ODI	6	0.63	17TH TSP	+1.48
		04/97	Bobbin	ODI	20	0.37	14TH TSP	+6.69
27	54	04/97	Bobbin	ADI		1.20	7TH TSP	+1.59
27	60	04/97	Bobbin	ODI	18	0.97	7TH TSP	+9.76
27	64	04/97	Bobbin	ODI	9	0.49	10TH TSP	+35.81
		04/97	Bobbin	ODI	11	0.24	10TH TSP	+26.20
27	65	04/97	Bobbin	ODI	12	0.39	7TH TSP	+28.98
27	79	04/97	Bobbin	ODI	20	0.55	10TH TSP	+28.43
27	84	04/97	Bobbin	ODI	35	0.26	14TH TSP	+7.04
28	10	04/97	Bobbin	WAR	11	0.40	2AVB	+0.00
28	11	04/97	Bobbin	ADI		1.09	5TH TSP	+20.59
		04/97	Bobbin	NQI		0.31	5TH TSP	+26.47
		04/97	Bobbin	NQI		0.53	5TH TSP	+23.84
		04/97	Bobbin	ODI	10	1.01	4TH TSP	+41.40
		04/97	Bobbin	ODI	14	0.86	5TH TSP	+36.53
		04/97	H/L Special Interest	VOL		0.46	5TH TSP	+16.02
		04/97	H/L Special Interest	VOL		0.56	5TH TSP	+17.20
		04/97	H/L Special Interest	VOL		0.57	5TH TSP	+6.08
		04/97	H/L Special Interest	VOL		0.62	5TH TSP	+28.57
		04/97	H/L Special Interest	VOL		0.74	5TH TSP	+21.08
		04/97	H/L Special Interest	VOL		0.84	5TH TSP	+23.10
		04/97	H/L Special Interest	VOL		1.03	5TH TSP	+19.94
		04/97	H/L Special Interest	VOL		1.10	5TH TSP	+25.58
		04/97	H/L Special Interest	VOL		1.14	5TH TSP	-1.53
		04/97	H/L Special Interest	VOL		1.50	5TH TSP	+10.67
28	27	04/97	Bobbin	ODI	15	0.90	11TH TSP	+31.32
28	34	04/97	Bobbin	ODI	5	0.51	17TH TSP	+4.73
		04/97	C/L Special Interest	VOL		0.39	17TH TSP	+4.46
28	39	04/97	Bobbin	ODI	6	0.73	16TH TSP	+13.97
28	48	04/97	Bobbin	ODI	11	0.61	14TH TSP	+9.15
28	51	04/97	Bobbin	ODI	20	0.32	2ND TSP	+26.12
28	60	04/97	Bobbin	ODI	21	1.94	18TH TSP	+15.58
28	62	04/97	Bobbin	ADI		2.94	6TH TSP	+38.38
		04/97	H/L Special Interest	VOL		1.26	6TH TSP	+38.58
28	71	04/97	Bobbin	NQI		0.54	10TH TSP	+41.45
		04/97	C/L Special Interest	VOL		0.43	9TH TSP	-4.55
28	72	04/97	Bobbin	NQI		0.33	10TH TSP	+39.18
		04/97	Bobbin	ODI	17	1.30	11TH TSP	+34.23
		04/97	Bobbin	ODI	26	0.40	10TH TSP	+10.03
		04/97	C/L Special Interest	VOL		0.76	9TH TSP	-6.82
28	77	04/97	Bobbin	NQI		0.37	10TH TSP	+36.74
28	83	04/97	Bobbin	NQI		1.07	12TH TSP	+19.30 to +25.63
28	87	04/97	Bobbin	ODI	8	0.93	1ST TSP	+4.55
28	91	04/97	Bobbin	NQI		0.49	11TH TSP	+6.62
		04/97	Bobbin	ODI	11	1.13	13TH TSP	+27.58
		04/97	C/L Special Interest	VOL		0.66	11TH TSP	+6.62
28	100	04/97	Bobbin	ADI		2.54	6TH TSP	+7.44
		04/97	Bobbin	ADI		1.52	17TH TSP	+12.87
		04/97	H/L Special Interest	VOL		1.04	6TH TSP	+8.50
		04/97	C/L Special Interest	VOL		0.62	17TH TSP	+12.42
28	104	04/97	Bobbin	NQI		0.29	9TH TSP	-0.69
28	105	04/97	U-Bend	VOL		0.20	3AVB	+0.00
		04/97	Bobbin	WAR	17	0.68	3AVB	+0.00
29	12	04/97	Bobbin	WAR	10	0.36	2AVB	+0.00
		04/97	Bobbin	NQI		0.22	TTS-HL	+1.90
29	28	04/97	Bobbin	NQI		0.24	7TH TSP	+42.14
		04/97	Bobbin	ODI	2	1.07	9TH TSP	-0.62

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
29	50	04/97	Bobbin	ODI	18	0.39	11TH TSP	+25.00
29	59	04/97	Bobbin	ODI	5	1.13	18TH TSP	+16.47
29	71	04/97	Bobbin	ODI	21	0.27	10TH TSP	+38.72
29	74	04/97	Bobbin	ODI	17	0.66	1ST TSP	+25.85
		04/97	H/L Special Interest	VOL		1.09	1ST TSP	+25.85
29	75	04/97	Bobbin	ODI	14	0.80	7TH TSP	+37.10
29	76	04/97	Bobbin	NQI		0.21	7TH TSP	+37.96
		04/97	Bobbin	NQI		0.26	7TH TSP	+16.09
		04/97	Bobbin	NQI		0.32	10TH TSP	+34.60
		04/97	Bobbin	ODI	13	0.99	10TH TSP	+35.73
		04/97	Bobbin	ODI	20	0.21	10TH TSP	+22.83
		04/97	Bobbin	ODI	31	0.20	10TH TSP	+31.86
		04/97	H/L Special Interest	VOL		1.18	7TH TSP	+37.74
		04/97	C/L Special Interest	VOL		0.55	10TH TSP	+35.46
		04/97	C/L Special Interest	VOL		1.36	10TH TSP	+23.85
29	90	04/97	Bobbin	ODI	7	1.38	11TH TSP	+3.98
		04/97	Bobbin	ODI	8	1.31	13TH TSP	+34.48
29	94	04/97	Bobbin	ADI		2.11	11TH TSP	+8.66
		04/97	C/L Special Interest	VOL		0.62	11TH TSP	+7.83
29	98	04/97	Bobbin	NQI		0.81	11TH TSP	+34.45
		04/97	C/L Special Interest	VOL		1.11	10TH TSP	-8.27
29	104	04/97	Bobbin	ADI		1.78	11TH TSP	+9.12
30	24	04/97	Bobbin	ODI	19	0.55	9TH TSP	-1.31
30	30	04/97	Bobbin	NQI		0.60	4TH TSP	+38.24
		04/97	H/L Special Interest	VOL		0.95	5TH TSP	-4.87
30	39	04/97	Bobbin	ODI	27	1.39	10TH TSP	+27.76
30	41	04/97	Bobbin	NQI		0.14	16TH TSP	+4.14
		04/97	Bobbin	NQI		0.33	16TH TSP	+5.16
		04/97	Bobbin	NQI		0.59	16TH TSP	+12.89
		04/97	Bobbin	NQI		0.71	16TH TSP	+1.25
		04/97	Bobbin	NQI		0.97	16TH TSP	-1.38
		04/97	Bobbin	ODI	19	0.75	17TH TSP	+14.32
		04/97	Bobbin	NQI		1.04	6TH TSP	+10.54 to +24.23
		04/97	H/L Special Interest	VOL		0.68	6TH TSP	+12.41
		04/97	H/L Special Interest	VOL		0.71	6TH TSP	+10.58
		04/97	H/L Special Interest	VOL		0.85	6TH TSP	+15.80
		04/97	H/L Special Interest	VOL		0.88	6TH TSP	+19.47
		04/97	H/L Special Interest	VOL		1.03	6TH TSP	+21.82
		04/97	H/L Special Interest	VOL		1.21	6TH TSP	+22.99
		04/97	C/L Special Interest	VOL		0.35	16TH TSP	+4.66
		04/97	C/L Special Interest	VOL		0.37	16TH TSP	+5.67
		04/97	C/L Special Interest	VOL		0.56	16TH TSP	-2.70
		04/97	C/L Special Interest	VOL		0.69	16TH TSP	+13.84
		04/97	C/L Special Interest	VOL		0.73	16TH TSP	+1.67
		04/97	C/L Special Interest	VOL		0.74	16TH TSP	-3.67
		04/97	C/L Special Interest	VOL		0.99	16TH TSP	-1.47
30	54	04/97	Bobbin	NQI		0.57	14TH TSP	+9.74
		04/97	Bobbin	ODI	11	1.46	5TH TSP	+4.59
		04/97	Bobbin	ODI	20	0.31	18TH TSP	+6.74
30	63	04/97	Bobbin	ADI		1.51	6TH TSP	+13.35
30	72	04/97	Bobbin	ODI	17	0.63	5TH TSP	+10.54
30	75	04/97	Bobbin	ODI	18	1.20	11TH TSP	+14.50
30	81	04/97	Bobbin	ODI	19	0.63	11TH TSP	+35.69
30	84	04/97	Bobbin	NQI		0.45	16TH TSP	+8.63
30	87	04/97	Bobbin	NQI		0.71	2ND TSP	+19.35
		04/97	H/L Special Interest	VOL		0.45	2ND TSP	+19.29
		04/97	H/L Special Interest	VOL		0.56	2ND TSP	+5.15
30	93	04/97	Bobbin	NQI		0.37	16TH TSP	+1.47
		04/97	Bobbin	NQI		0.50	16TH TSP	+5.32
		04/97	C/L Special Interest	VOL		0.56	16TH TSP	+1.89
		04/97	C/L Special Interest	VOL		0.76	16TH TSP	+6.55
31	12	04/97	Bobbin	WAR	17	0.63	3AVB	+0.00
31	13	04/97	Bobbin	WAR	6	0.21	2AVB	+0.00
31	20	04/97	Bobbin	ODI	9	0.34	2ND TSP	+16.76
31	24	04/97	Bobbin	ODI	6	0.58	10TH TSP	-0.72

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	21	0.64	10TH TSP	+28.63
31	28	04/97	Bobbin	ODI	30	0.70	9TH TSP	-0.62
31	49	04/97	Bobbin	ODI	24	1.19	9TH TSP	+3.50
31	66	04/97	Bobbin	NQI		0.13	10TH TSP	+35.05
		04/97	Bobbin	ODI	3	0.62	12TH TSP	+34.71
		04/97	C/L Special Interest	VOL		1.00	9TH TSP	-10.60
		04/97	C/L Special Interest	VOL		1.59	9TH TSP	-10.60
		04/97	C/L Special Interest	VOL		0.36	11TH TSP	-8.66
32	12	04/97	Bobbin	WAR	11	0.37	2AVB	+0.00
		04/97	Bobbin	WAR	12	0.42	1AVB	+0.00
		04/97	Bobbin	WAR	27	1.27	4AVB	+0.00
		04/97	Bobbin	WAR	34	2.07	3AVB	+0.00
		04/97	Bobbin	NQI		0.11	11TH TSP	+28.50
		04/97	Bobbin	ODI	17	0.21	11TH TSP	+11.02
32	38	04/97	Bobbin	ODI	1	0.98	1ST TSP	+10.05
32	45	04/97	Bobbin	NQI		0.41	10TH TSP	+22.05
		04/97	C/L Special Interest	VOL		0.81	10TH TSP	+21.56
32	47	04/97	Bobbin	NQI		1.35	1AVB	+13.81
32	61	04/97	Bobbin	ADI		1.00	5TH TSP	+18.15
		04/97	H/L Special Interest	VOL		0.30	5TH TSP	+24.24
		04/97	H/L Special Interest	VOL		0.57	5TH TSP	+18.74
32	65	04/97	Bobbin	ODI	5	1.10	10TH TSP	+13.81
		04/97	C/L Special Interest	VOL		1.06	10TH TSP	+13.81
32	71	04/97	Bobbin	NQI		0.30	12TH TSP	+21.90
32	73	04/97	Bobbin	ODI	29	0.45	12TH TSP	+33.94
32	77	04/97	Bobbin	ODI	17	0.98	1AVB	+17.42
32	78	04/97	Bobbin	ADI		1.46	18TH TSP	+11.09
32	84	04/97	Bobbin	ODI	6	0.81	1ST TSP	+24.05
32	85	04/97	Bobbin	ODI	20	0.42	16TH TSP	+5.62
32	86	04/97	Bobbin	ODI	19	1.03	4AVB	+6.81
32	90	04/97	Bobbin	ODI	19	0.85	10TH TSP	+44.23
32	91	04/97	Bobbin	ODI	10	1.22	6TH TSP	+28.82
32	92	04/97	Bobbin	ODI	22	0.41	14TH TSP	+15.93
32	93	04/97	Bobbin	NQI		0.75	5TH TSP	+25.39
32	96	04/97	Bobbin	NQI		0.30	13TH TSP	+1.90
32	102	04/97	Bobbin	NQI		0.27	7TH TSP	+11.82
32	103	04/97	Bobbin	ODI	13	0.42	10TH TSP	+35.22
33	12	04/97	Bobbin	WAR	11	0.39	2AVB	+0.00
		04/97	Bobbin	WAR	16	0.62	1AVB	+0.00
		04/97	Bobbin	NQI		0.14	17TH TSP	+4.53
33	14	04/97	Bobbin	WAR	6	0.21	3AVB	+0.00
		04/97	Bobbin	WAR	16	0.60	2AVB	+0.00
33	17	04/97	Bobbin	NQI		0.59	1ST TSP	+25.97
33	45	04/97	Bobbin	NQI		0.72	16TH TSP	+14.78
		04/97	C/L Special Interest	VOL		0.93	15TH TSP	-3.74
33	49	04/97	Bobbin	ODI	19	2.07	1ST TSP	+11.91
33	55	04/97	Bobbin	ODI	28	0.52	1AVB	+11.90
		04/97	Bobbin	WAR	23	1.01	3AVB	+0.00
		04/97	Bobbin	NQI		2.03	9TH TSP	+1.56
33	64	04/97	Bobbin	ODI	22	0.77	4TH TSP	+9.79
		04/97	H/L Special Interest	VOL		1.63	4TH TSP	+10.20
33	65	04/97	Bobbin	ADI		1.18	4TH TSP	+6.19
		04/97	Bobbin	NQI		0.98	2ND TSP	+13.15
		04/97	H/L Special Interest	VOL		0.60	4TH TSP	+6.54
		04/97	H/L Special Interest	VOL		0.65	2ND TSP	+13.00
33	66	04/97	Bobbin	NQI		0.58	11TH TSP	+20.58
		04/97	C/L Special Interest	VOL		0.94	11TH TSP	+20.58
33	68	04/97	Bobbin	NQI		0.32	10TH TSP	+39.55
		04/97	C/L Special Interest	VOL		0.58	9TH TSP	-7.29
33	76	04/97	Bobbin	ODI	6	0.62	11TH TSP	+6.82
33	80	04/97	Bobbin	NQI		0.25	18TH TSP	+3.87
		04/97	C/L Special Interest	VOL		0.48	18TH TSP	+4.28
33	87	04/97	Bobbin	NQI		0.53	10TH TSP	+11.43
		04/97	C/L Special Interest	VOL		0.80	10TH TSP	+13.18
33	90	04/97	Bobbin	ODI	27	0.36	17TH TSP	+3.67

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

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION	
33	94	04/97	Bobbin	NQI		0.28	10TH TSP	+41.14
34	13	04/97	Bobbin	NQI		0.46	11TH TSP	+38.03
		04/97	Bobbin	NQI		0.49	11TH TSP	+36.93
		04/97	C/L Special Interest	VOL		0.32	10TH TSP	-5.21
		04/97	C/L Special Interest	VOL		0.45	11TH TSP	-5.14
		04/97	C/L Special Interest	VOL		0.49	10TH TSP	-6.30
		04/97	C/L Special Interest	VOL		0.54	11TH TSP	-6.22
34	14	04/97	Bobbin	NQI		0.15	11TH TSP	+5.24
		04/97	Bobbin	NQI		0.15	11TH TSP	+5.70
		04/97	Bobbin	NQI		0.38	11TH TSP	+6.23
34	20	04/97	Bobbin	NQI		0.38	6TH TSP	+9.88
		04/97	Bobbin	NQI		0.39	7TH TSP	+40.54
		04/97	Bobbin	NQI		0.41	5TH TSP	+3.61
		04/97	Bobbin	NQI		0.47	14TH TSP	+3.79
		04/97	Bobbin	NQI		0.77	10TH TSP	+6.06
		04/97	H/L Special Interest	VOL		0.37	6TH TSP	+9.53
		04/97	H/L Special Interest	VOL		0.55	8TH TSP	-5.19
		04/97	H/L Special Interest	VOL		0.78	5TH TSP	+3.48
		04/97	C/L Special Interest	VOL		0.61	14TH TSP	+4.10
		04/97	C/L Special Interest	VOL		1.33	10TH TSP	+6.20
34	22	04/97	Bobbin	ODI	18	0.45	10TH TSP	+3.95
34	28	04/97	Bobbin	NQI		0.23	13TH TSP	+24.94
		04/97	Bobbin	ODI	32	0.28	13TH TSP	+27.04
		04/97	Bobbin	ODI	34	0.26	13TH TSP	+32.26
		04/97	C/L Special Interest	VOL		0.36	13TH TSP	+26.37
		04/97	C/L Special Interest	VOL		0.50	13TH TSP	+20.18
		04/97	C/L Special Interest	VOL		0.60	13TH TSP	+28.76
34	39	04/97	Bobbin	ODI	27	0.32	11TH TSP	+10.05
34	63	04/97	Bobbin	NQI		0.28	6TH TSP	+36.20
		04/97	H/L Special Interest	VOL		0.70	7TH TSP	-6.63
		04/97	H/L Special Interest	VOL		0.71	7TH TSP	-7.73
34	68	04/97	Bobbin	ODI	28	0.92	11TH TSP	+5.72
34	72	04/97	Bobbin	NQI		0.44	3RD TSP	+21.50
		04/97	H/L Special Interest	VOL		0.51	4TH TSP	-14.80
		04/97	H/L Special Interest	VOL		0.56	4TH TSP	-13.33
34	88	04/97	Bobbin	ODI	17	0.43	10TH TSP	+11.74
35	24	04/97	Bobbin	NQI		0.37	4TH TSP	+9.96
		04/97	Bobbin	NQI		0.21	11TH TSP	+20.97
		04/97	Bobbin	NQI		0.38	10TH TSP	-0.27
		04/97	Bobbin	NQI		0.96	10TH TSP	+5.86
		04/97	Bobbin	ODI	21	0.33	9TH TSP	-0.68
		04/97	H/L Special Interest	VOL		0.72	4TH TSP	+9.64
		04/97	C/L Special Interest	VOL		1.10	10TH TSP	+6.18
35	27	04/97	Bobbin	ODI	6	0.56	1ST TSP	+15.64
35	34	04/97	Bobbin	ODI	38	0.36	14TH TSP	+12.48
35	41	04/97	Bobbin	NQI		0.38	11TH TSP	+33.91
35	61	04/97	Bobbin	NQI		0.24	4TH TSP	+12.58
		04/97	H/L Special Interest	VOL		0.25	4TH TSP	+12.49
35	62	04/97	Bobbin	NQI		0.84	10TH TSP	+33.74
		04/97	C/L Special Interest	VOL		0.66	10TH TSP	+33.29
35	64	04/97	Bobbin	ADI		2.02	2ND TSP	+12.37 to +22.47
		04/97	H/L Special Interest	VOL		0.65	2ND TSP	+21.49
		04/97	H/L Special Interest	VOL		0.67	2ND TSP	+16.40
		04/97	H/L Special Interest	VOL		0.81	2ND TSP	+18.59
35	65	04/97	Bobbin	ADI		0.13	1ST TSP	+5.77
		04/97	Bobbin	ODI	29	0.77	TTS-HL	+1.42
		04/97	H/L Special Interest	VOL		0.69	TTS-HL	+1.45
35	74	04/97	Bobbin	ODI	25	0.52	8TH TSP	-0.59
		04/97	Bobbin	ODI	17	0.69	10TH TSP	+39.61
35	80	04/97	Bobbin	ODI	17	0.49	17TH TSP	+7.54
35	87	04/97	Bobbin	ODI	30	0.43	4TH TSP	+14.89
35	89	04/97	Bobbin	ODI	5	1.09	7TH TSP	+6.63
36	21	04/97	Bobbin	ODI	4	0.76	10TH TSP	+35.90
36	24	04/97	Bobbin	ADI		4.00	4AVB	+1.28
36	25	04/97	Bobbin	NQI		0.13	13TH TSP	+20.51

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.57	13TH TSP	+21.70
36	31	04/97	Bobbin	ODI	8	1.50	11TH TSP	+36.72
36	40	04/97	Bobbin	ADI		3.64	12TH TSP	+18.57
		04/97	Bobbin	ODI	13	0.80	13TH TSP	+41.34
		04/97	C/L Special Interest	VOL		0.45	12TH TSP	+5.55
		04/97	C/L Special Interest	VOL		0.51	12TH TSP	+13.33
		04/97	C/L Special Interest	VOL		0.63	12TH TSP	+18.23
		04/97	C/L Special Interest	VOL		0.78	12TH TSP	-2.42
36	54	04/97	Bobbin	NQI		0.20	11TH TSP	+13.86
36	85	04/97	Bobbin	NQI		0.55	8TH TSP	-0.57
		04/97	Bobbin	NQI		0.57	7TH TSP	+42.27
		04/97	Bobbin	NQI		1.03	7TH TSP	+42.01
		04/97	Bobbin	NQI		0.28	10TH TSP	+42.69
		04/97	Bobbin	NQI		0.30	10TH TSP	+23.44
		04/97	Bobbin	ODI	4	0.43	10TH TSP	+27.55
		04/97	Bobbin	ODI	17	0.23	10TH TSP	+30.92
		04/97	Bobbin	ODI	24	0.20	10TH TSP	+26.39
		04/97	Bobbin	NQI		1.60	8TH TSP	+1.77 to +3.36
36	90	04/97	Bobbin	ODI	19	0.90	12TH TSP	+19.70
36	98	04/97	Bobbin	WAR	11	0.41	2AVB	+0.00
37	23	04/97	Bobbin	ODI	9	0.31	11TH TSP	+35.48
		04/97	Bobbin	ODI	20	0.22	11TH TSP	+34.90
37	27	04/97	Bobbin	ODI	30	1.13	9TH TSP	+1.37
37	40	04/97	Bobbin	NQI		0.68	1AVB	+16.96
		04/97	Bobbin	ODI	3	0.85	4AVB	+12.05
		04/97	Bobbin	NQI		0.74	2ND TSP	+18.94
		04/97	Bobbin	ODI	27	0.70	7TH TSP	+2.25
		04/97	Bobbin	ODI	10	0.95	11TH TSP	+5.57
		04/97	H/L Special Interest	VOL		0.61	2ND TSP	+19.35
37	41	04/97	Bobbin	NQI		1.01	9TH TSP	+26.52
37	44	04/97	Bobbin	ADI		0.87	17TH TSP	+12.53
37	45	04/97	Bobbin	NQI		0.81	9TH TSP	+1.41
37	55	04/97	Bobbin	ODI	19	0.81	17TH TSP	+1.48
37	61	04/97	Bobbin	NQI		0.23	11TH TSP	+41.33
		04/97	Bobbin	ODI	13	0.92	13TH TSP	+34.85
		04/97	Bobbin	ODI	24	0.36	11TH TSP	+26.91
		04/97	C/L Special Interest	VOL		0.40	10TH TSP	-1.90
37	68	04/97	Bobbin	NQI		0.73	12TH TSP	+28.77
		04/97	C/L Special Interest	VOL		0.59	11TH TSP	-14.94
37	77	04/97	Bobbin	ODI	8	0.23	12TH TSP	+32.15
		04/97	Bobbin	ODI	11	0.64	18TH TSP	+7.16
37	87	04/97	Bobbin	ODI	5	1.08	14TH TSP	+14.35
37	90	04/97	Bobbin	ODI	6	1.30	TTS-HL	+5.97
37	98	04/97	Bobbin	ODI	17	1.14	9TH TSP	+13.15
38	17	04/97	U-Bend	VOL		1.82	2AVB	+0.00
		04/97	Bobbin	WAR	12	0.41	2AVB	+0.00
38	23	04/97	Bobbin	WAR	7	0.24	4AVB	+0.00
38	27	04/97	Bobbin	ODI	11	1.01	11TH TSP	+25.50
		04/97	C/L Special Interest	VOL		1.18	11TH TSP	+26.27
38	34	04/97	U-Bend	VOL		0.16	2AVB	+0.00
		04/97	Bobbin	WAR	9	0.29	2AVB	+0.00
		04/97	C/L Special Interest	VOL		1.30	2AVB	+0.00
38	39	04/97	Bobbin	ODI	20	0.24	7TH TSP	+40.17
		04/97	Bobbin	ODI	9	0.82	17TH TSP	+5.73
		04/97	Bobbin	ODI	27	0.39	10TH TSP	+28.46
38	41	04/97	Bobbin	ODI	9	1.15	1AVB	+12.48
		04/97	Bobbin	ODI	26	0.18	14TH TSP	+13.42
38	54	04/97	Bobbin	ODI	11	0.37	6TH TSP	+39.23
38	63	04/97	Bobbin	NQI		0.56	2ND TSP	+10.76
		04/97	Bobbin	NQI		0.86	8TH TSP	+1.73
		04/97	H/L Special Interest	VOL		1.27	2ND TSP	+11.29
38	69	04/97	Bobbin	NQI		0.54	4TH TSP	+15.60
		04/97	H/L Special Interest	VOL		0.32	4TH TSP	+17.31
38	74	04/97	Bobbin	ODI	15	1.79	9TH TSP	+22.97
38	88	04/97	Bobbin	ODI	14	0.76	16TH TSP	+8.88

ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
38	90	04/97	Bobbin	ODI	10	3.37	19TH TSP	+5.08
38	92	04/97	Bobbin	ODI	16	0.49	7TH TSP	-1.40
38	96	04/97	Bobbin	ODI	16	0.80	10TH TSP	+26.89
38	97	04/97	Bobbin	WAR	16	0.61	2AVB	+0.00
		04/97	Bobbin	ADI		0.97	10TH TSP	+12.49
		04/97	Bobbin	ODI	4	1.45	13TH TSP	+29.93
		04/97	Bobbin	ODI	6	0.79	12TH TSP	+24.00
		04/97	Bobbin	ODI	7	1.43	11TH TSP	+30.02
		04/97	C/L Special Interest	VOL		0.46	11TH TSP	-19.00
		04/97	C/L Special Interest	VOL		0.52	10TH TSP	-12.98
		04/97	C/L Special Interest	VOL		0.67	12TH TSP	-13.07
38	99	04/97	U-Bend	VOL		0.31	3AVB	+0.00
		04/97	U-Bend	VOL		0.51	4AVB	+0.00
		04/97	Bobbin	WAR	21	0.87	3AVB	+0.00
		04/97	Bobbin	WAR	30	1.58	4AVB	+0.00
39	17	04/97	Bobbin	WAR	6	0.22	1AVB	+0.00
39	27	04/97	U-Bend	VOL		0.18	3AVB	+0.00
		04/97	Bobbin	WAR	13	0.47	3AVB	+0.00
39	46	04/97	Bobbin	ODI	12	0.58	13TH TSP	+12.74
39	55	04/97	Bobbin	ODI	15	0.91	4TH TSP	+23.72
		04/97	H/L Special Interest	VOL		0.82	4TH TSP	+23.51
39	62	04/97	Bobbin	ODI	28	0.83	13TH TSP	+15.62
39	66	04/97	Bobbin	ODI	5	1.19	4TH TSP	+27.06
39	76	04/97	Bobbin	NQI		0.28	8TH TSP	-0.65
39	80	04/97	Bobbin	ODI	15	1.05	18TH TSP	+12.67
39	86	04/97	Bobbin	ODI	3	1.06	17TH TSP	+15.35
39	97	04/97	Bobbin	WAR	7	0.27	3AVB	+0.00
		04/97	Bobbin	WAR	9	0.34	2AVB	+0.00
		04/97	Bobbin	WAR	15	0.56	4AVB	+0.00
39	98	04/97	Bobbin	NQI		0.27	10TH TSP	+32.14
40	18	04/97	Bobbin	WAR	10	0.35	1AVB	+0.00
		04/97	Bobbin	WAR	10	0.35	4AVB	+0.00
		04/97	Bobbin	WAR	11	0.38	3AVB	+0.00
40	32	04/97	Bobbin	ODI	8	1.19	6TH TSP	+31.98
		04/97	H/L Special Interest	VOL		1.34	7TH TSP	-11.19
40	43	04/97	Bobbin	ODI	13	0.70	4TH TSP	+37.84
40	49	04/97	Bobbin	WAR	32	1.78	4AVB	+0.00
40	69	04/97	Bobbin	ADI		0.52	7TH TSP	+10.98
		04/97	Bobbin	ADI		0.55	11TH TSP	+20.96
40	76	04/97	Bobbin	ODI	15	0.73	11TH TSP	+29.79
40	84	04/97	Bobbin	NQI		0.47	11TH TSP	+28.36
		04/97	C/L Special Interest	VOL		0.50	10TH TSP	-14.64
		04/97	C/L Special Interest	VOL		0.54	11TH TSP	+30.42
40	88	04/97	Bobbin	ODI	11	0.56	10TH TSP	+33.86
40	96	04/97	Bobbin	ODI	16	0.33	2ND TSP	+21.42
		04/97	H/L Special Interest	VOL		0.48	3RD TSP	-15.15
40	97	04/97	Bobbin	NQI		0.80	10TH TSP	+38.04
41	34	04/97	Bobbin	ODI	9	0.26	14TH TSP	+9.94
41	44	04/97	Bobbin	ODI	24	1.45	9TH TSP	+1.79
41	68	04/97	Bobbin	NQI		0.52	11TH TSP	+31.47
		04/97	C/L Special Interest	VOL		0.60	10TH TSP	-12.98
41	83	04/97	Bobbin	NQI		0.72	5TH TSP	+34.20
		04/97	H/L Special Interest	VOL		1.36	6TH TSP	-9.49
41	92	04/97	Bobbin	ODI	11	0.39	10TH TSP	+25.82
42	26	04/97	Bobbin	NQI		0.96	2AVB	+10.90
42	51	04/97	Bobbin	NQI		0.71	11TH TSP	+30.70
		04/97	Bobbin	ODI	16	0.48	10TH TSP	+16.87
		04/97	C/L Special Interest	VOL		1.26	10TH TSP	-13.09
42	68	04/97	Bobbin	NQI		0.54	12TH TSP	+19.80
		04/97	C/L Special Interest	VOL		1.04	12TH TSP	+20.85
42	80	04/97	Bobbin	ODI	14	0.72	11TH TSP	+1.52
		04/97	C/L Special Interest	VOL		1.05	11TH TSP	+1.52
42	84	04/97	Bobbin	NQI		0.29	5TH TSP	+36.32
42	87	04/97	Bobbin	ODI	24	0.36	19TH TSP	+5.82
42	89	04/97	Bobbin	ODI	26	0.41	7TH TSP	+22.90

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
42	90	04/97	Bobbin	ODI	5	0.68	14TH TSP	+5.39
		04/97	Bobbin	ODI	35	0.35	18TH TSP	+0.57
43	22	04/97	Bobbin	ODI	7	0.67	1ST TSP	+4.26
43	23	04/97	Bobbin	NQI		0.31	7TH TSP	+9.66
		04/97	Bobbin	NQI		1.03	1ST TSP	+3.64
		04/97	Bobbin	ODI	3	1.05	7TH TSP	+15.47
		04/97	H/L Special Interest	VOL		1.03	7TH TSP	+14.97
43	29	04/97	Bobbin	ODI	3	1.31	16TH TSP	+9.64
		04/97	Bobbin	ODI	16	0.73	17TH TSP	+15.57
43	37	04/97	Bobbin	ODI	15	0.50	1ST TSP	+11.46
43	45	04/97	Bobbin	ADI		2.55	11TH TSP	+9.73
		04/97	Bobbin	NQI		0.53	10TH TSP	+43.72
		04/97	C/L Special Interest	VOL		0.72	9TH TSP	-4.01
43	55	04/97	Bobbin	ODI	5	2.24	6TH TSP	-1.17
		04/97	Bobbin	ODI	3	1.28	11TH TSP	+20.63
43	66	04/97	Bobbin	ODI	18	0.27	6TH TSP	+33.40
43	86	04/97	Bobbin	ODI	1	1.30	13TH TSP	+28.80
		04/97	Bobbin	ODI	2	1.51	13TH TSP	+39.51
		04/97	Bobbin	ODI	5	2.50	12TH TSP	+11.42
		04/97	Bobbin	ODI	5	2.78	12TH TSP	+9.95
		04/97	Bobbin	ODI	9	0.57	13TH TSP	+40.46
43	92	04/97	Bobbin	ODI	25	0.45	10TH TSP	+32.76
44	23	04/97	Bobbin	WAR	8	0.27	3AVB	+0.00
		04/97	Bobbin	WAR	11	0.39	1AVB	+0.00
44	44	04/97	Bobbin	ODI	9	1.13	17TH TSP	+1.90
		04/97	Bobbin	ODI	15	1.30	13TH TSP	+38.87
44	46	04/97	Bobbin	ODI	12	0.24	13TH TSP	+1.89
44	50	04/97	Bobbin	ODI	6	0.44	9TH TSP	-0.67
44	76	04/97	Bobbin	ODI	11	0.88	14TH TSP	+5.42
44	81	04/97	Bobbin	WAR	23	1.00	3AVB	+0.00
		04/97	Bobbin	WAR	28	1.43	2AVB	+0.00
44	86	04/97	Bobbin	ODI	26	0.37	11TH TSP	+30.49
44	87	04/97	Bobbin	ODI	8	2.78	18TH TSP	+11.19
		04/97	Bobbin	ODI	22	0.17	11TH TSP	+39.13
44	88	04/97	Bobbin	ODI	9	0.41	16TH TSP	+11.44
		04/97	Bobbin	ODI	10	0.52	10TH TSP	+43.45
44	92	04/97	Bobbin	WAR	4	0.18	4AVB	+0.00
		04/97	Bobbin	WAR	8	0.30	3AVB	+0.00
45	41	04/97	Bobbin	ODI	5	0.83	13TH TSP	+21.55
		04/97	Bobbin	ODI	6	0.51	13TH TSP	+31.08
45	50	04/97	Bobbin	NQI		0.33	9TH TSP	-0.65
		04/97	Bobbin	ODI	3	1.60	17TH TSP	+26.05
45	54	04/97	Bobbin	ODI	1	1.05	3RD TSP	+19.00
45	56	04/97	Bobbin	ODI	9	0.44	4AVB	+15.23
45	59	04/97	Bobbin	ODI	20	0.91	4AVB	-1.40
		04/97	Bobbin	ADI		0.68	11TH TSP	+18.25
		04/97	Bobbin	NQI		0.51	11TH TSP	+0.60
		04/97	Bobbin	ODI	34	0.41	4TH TSP	+8.59
		04/97	Bobbin	ODI	20	2.23	13TH TSP	+6.49
		04/97	Bobbin	ODI	24	0.68	13TH TSP	+24.08
		04/97	C/L Special Interest	VOL		0.54	11TH TSP	+0.67
		04/97	C/L Special Interest	VOL		0.81	11TH TSP	+0.67
		04/97	C/L Special Interest	VOL		0.81	13TH TSP	+24.08
		04/97	C/L Special Interest	VOL		1.34	13TH TSP	+6.49
45	61	04/97	Bobbin	NQI		0.63	13TH TSP	+18.39
		04/97	C/L Special Interest	VOL		0.46	13TH TSP	+19.03
45	62	04/97	Bobbin	ODI	3	1.81	2ND TSP	+12.40
45	67	04/97	Bobbin	NQI		0.32	2ND TSP	+14.23
45	77	04/97	Bobbin	ODI	26	0.25	TTS-HL	+1.71
45	86	04/97	Bobbin	ODI	6	2.61	3AVB	+3.47
		04/97	Bobbin	ODI	2	1.25	11TH TSP	+16.90
		04/97	Bobbin	ODI	17	0.41	12TH TSP	+22.48
		04/97	Bobbin	ODI	23	0.77	12TH TSP	+41.02
45	88	04/97	Bobbin	ODI	3	0.26	7TH TSP	+39.63
		04/97	Bobbin	ODI	6	0.98	2ND TSP	+18.80

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
46	34	04/97	Bobbin	ODI	24	0.69	12TH TSP	+11.78
46	41	04/97	Bobbin	ODI	15	0.78	7TH TSP	+5.92
46	46	04/97	Bobbin	ADI		1.49	11TH TSP	+39.51
		04/97	C/L Special Interest	VOL		0.74	10TH TSP	-4.14
46	47	04/97	Bobbin	ODI	12	0.51	13TH TSP	+4.78
		04/97	Bobbin	ODI	16	0.99	13TH TSP	+10.20
		04/97	Bobbin	ODI	23	0.49	13TH TSP	+21.19
		04/97	Bobbin	ODI	24	0.75	13TH TSP	+17.88
		04/97	Bobbin	ODI	17	0.27	11TH TSP	+31.52
46	49	04/97	Bobbin	ODI	16	0.66	8TH TSP	-1.24
46	73	04/97	Bobbin	NQI		0.18	8TH TSP	+0.53
46	81	04/97	Bobbin	ODI	17	0.36	12TH TSP	+32.63
46	88	04/97	Bobbin	ODI	23	0.31	10TH TSP	+30.38
46	89	04/97	Bobbin	NQI		0.15	10TH TSP	+33.78
47	28	04/97	Bobbin	ODI	23	0.21	TTS-HL	+4.69
		04/97	H/L Special Interest	VOL		0.72	TTS-HL	+4.99
47	42	04/97	Bobbin	ODI	13	4.40	9TH TSP	+27.42
		04/97	Bobbin	ODI	11	0.38	10TH TSP	-1.45
		04/97	Bobbin	ODI	18	0.37	15TH TSP	+32.61
47	49	04/97	Bobbin	ADI		1.59	12TH TSP	+6.99
47	75	04/97	Bobbin	NQI		0.35	8TH TSP	-0.52
47	76	04/97	Bobbin	NQI		0.30	8TH TSP	-0.59
		04/97	Bobbin	ODI	17	0.53	9TH TSP	-0.69
47	82	04/97	Bobbin	ODI	18	1.03	15TH TSP	+26.91
		04/97	C/L Special Interest	VOL		1.84	15TH TSP	+26.91
48	29	04/97	Bobbin	ODI	15	0.89	11TH TSP	+39.72
		04/97	Bobbin	ODI	31	0.42	15TH TSP	+21.27
48	32	04/97	Bobbin	ODI	36	0.38	5TH TSP	+36.11
48	37	04/97	Bobbin	ODI	9	1.19	1AVB	+30.38
48	44	04/97	Bobbin	ADI		0.50	12TH TSP	+29.12
48	45	04/97	Bobbin	ADI		2.13	5TH TSP	+13.45
		04/97	H/L Special Interest	VOL		1.05	5TH TSP	+13.45
48	48	04/97	Bobbin	NQI		0.36	17TH TSP	+26.04
		04/97	Bobbin	NQI		0.92	13TH TSP	+17.98
		04/97	C/L Special Interest	VOL		0.56	13TH TSP	+35.54
		04/97	C/L Special Interest	VOL		0.59	17TH TSP	+26.90
		04/97	C/L Special Interest	VOL		1.05	13TH TSP	+19.10
		04/97	C/L Special Interest	VOL		1.16	13TH TSP	+19.01
48	50	04/97	Bobbin	NQI		0.48	11TH TSP	-1.26
		04/97	C/L Special Interest	VOL		0.74	11TH TSP	-1.37
48	52	04/97	Bobbin	ODI	7	0.46	15TH TSP	+29.61
		04/97	Bobbin	ODI	23	0.23	15TH TSP	+29.38
48	53	04/97	Bobbin	NQI		0.74	4TH TSP	+10.65
		04/97	H/L Special Interest	VOL		0.92	4TH TSP	+10.66
48	60	04/97	Bobbin	NQI		0.54	13TH TSP	+31.56
48	68	04/97	Bobbin	NQI		0.32	8TH TSP	+3.58
		04/97	Bobbin	NQI		0.73	8TH TSP	+4.21
48	76	04/97	Bobbin	NQI		0.64	9TH TSP	+3.56
		04/97	Bobbin	ODI	4	0.85	15TH TSP	+7.00
		04/97	Bobbin	ODI	12	3.37	10TH TSP	+6.47
		04/97	C/L Special Interest	VOL		0.37	15TH TSP	+7.00
		04/97	C/L Special Interest	VOL		1.47	10TH TSP	+6.47
48	81	04/97	Bobbin	NQI		0.21	8TH TSP	-0.50
48	86	04/97	Bobbin	NQI		0.24	17TH TSP	+19.33
		04/97	Bobbin	ODI	1	0.91	18TH TSP	+13.94
		04/97	Bobbin	ODI	2	1.40	13TH TSP	+7.49
		04/97	Bobbin	ODI	13	3.77	11TH TSP	+15.24
49	31	04/97	Bobbin	ADI		2.88	3RD TSP	+10.23 to +35.38
		04/97	H/L Special Interest	VOL		0.72	3RD TSP	+29.95
		04/97	H/L Special Interest	VOL		0.84	3RD TSP	+21.95
		04/97	H/L Special Interest	VOL		1.04	3RD TSP	+15.44
49	39	04/97	Bobbin	ADI		4.04	5TH TSP	+5.65
49	43	04/97	Bobbin	NQI		0.19	19TH TSP	+7.92
49	46	04/97	Bobbin	ODI	17	0.53	17TH TSP	+7.71
49	50	04/97	Bobbin	ADI		2.42	7TH TSP	+34.08

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*****
*****      FTI TUBAN II (Version 2.3)      04/16/1997 15:48:11      *****
*****      Catawba Nuclear Station - Unit Two      *****
*****      S/G C      *****
*****      04/97 RFO      *****
*****      Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend      *****
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ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	H/L Special Interest	VOL		0.38	7TH TSP	+34.08
49	52	04/97	Bobbin	ADI		1.27	15TH TSP	+5.98
49	55	04/97	Bobbin	NQI		0.50	7TH TSP	+38.49
		04/97	Bobbin	ODI	23	0.24	7TH TSP	+43.78
		04/97	H/L Special Interest	VOL		1.00	7TH TSP	+38.48
49	59	04/97	Bobbin	ODI	10	1.27	9TH TSP	+12.17
		04/97	Bobbin	ODI	10	0.87	11TH TSP	+36.13
49	63	04/97	Bobbin	ODI	25	0.41	15TH TSP	+31.88
49	65	04/97	Bobbin	ADI		0.77	11TH TSP	+16.77
		04/97	Bobbin	ODI	8	0.33	19TH TSP	+5.08
49	73	04/97	Bobbin	NQI		0.60	8TH TSP	+4.65
49	74	04/97	Bobbin	NQI		0.17	9TH TSP	-0.69
49	76	04/97	Bobbin	NQI		0.84	1AVB	-0.52
49	81	04/97	Bobbin	ODI	18	0.61	15TH TSP	+26.90
		04/97	C/L Special Interest	VOL		0.66	15TH TSP	+26.90

Total Indications Found = 1055
Total Tubes Found = 532

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
1	1	04/97	Bobbin	NQI		0.34	13TH TSP	+21.85
		04/97	Bobbin	ODI	30	0.20	13TH TSP	+18.18
		04/97	Bobbin	ODI	30	0.23	13TH TSP	+11.74
1	3	04/97	Bobbin	ADI		1.26	TTS-CL	+4.56
		04/97	Bobbin	ODI	3	0.24	4TH TSP	+12.04
		04/97	C/L Special Interest	VOL		0.71	TTS-CL	+4.25
1	9	04/97	Bobbin	NQI		0.84	5TH TSP	+14.08
		04/97	H/L Special Interest	VOL		1.24	5TH TSP	+14.80
1	14	04/97	Bobbin	NQI		0.37	2ND TSP	+33.25
		04/97	Bobbin	ODI	6	0.37	10TH TSP	+26.81
1	19	04/97	Bobbin	ODI	21	0.28	16TH TSP	+13.75
1	30	04/97	Bobbin	ADI		2.76	7TH TSP	+12.91
		04/97	H/L Special Interest	VOL		0.81	7TH TSP	+17.13
		04/97	H/L Special Interest	VOL		1.42	7TH TSP	+11.69
1	32	04/97	Bobbin	NQI		0.80	13TH TSP	+30.15
		04/97	Bobbin	NQI		1.41	13TH TSP	+20.98
		04/97	Bobbin	ODI	17	0.70	12TH TSP	+24.15
1	34	04/97	Bobbin	ADI		1.52	7TH TSP	+34.64
		04/97	Bobbin	ADI		2.34	3RD TSP	+29.30
		04/97	Bobbin	NQI		0.55	7TH TSP	+36.63
		04/97	Bobbin	NQI		0.64	1ST TSP	+19.48
		04/97	H/L Special Interest	VOL		0.72	4TH TSP	-6.96
		04/97	H/L Special Interest	VOL		0.73	7TH TSP	+33.76
		04/97	H/L Special Interest	VOL		0.85	1ST TSP	+19.33
		04/97	H/L Special Interest	VOL		1.08	7TH TSP	+30.10
1	37	04/97	Bobbin	NQI		0.30	5TH TSP	+33.29
		04/97	Bobbin	NQI		0.60	5TH TSP	+34.02
		04/97	Bobbin	NQI		0.63	12TH TSP	+32.98 to +36.75
		04/97	H/L Special Interest	VOL		0.53	5TH TSP	+32.93
		04/97	H/L Special Interest	VOL		0.85	5TH TSP	+33.71
1	42	04/97	Bobbin	ODI	6	1.13	2ND TSP	+2.53
		04/97	Bobbin	ODI	16	0.52	2ND TSP	+5.88
1	58	04/97	Bobbin	ODI	15	0.34	18TH TSP	+34.53
1	59	04/97	Bobbin	NQI		0.58	12TH TSP	+18.04
		04/97	C/L Special Interest	VOL		0.38	12TH TSP	+19.54
1	66	04/97	Bobbin	ODI	15	2.04	10TH TSP	+33.06
1	94	04/97	Bobbin	NQI		1.86	18TH TSP	+14.58 to +19.88
1	95	04/97	Bobbin	ODI	26	0.98	18TH TSP	+4.16
1	109	04/97	Bobbin	NQI		0.24	16TH TSP	+31.85
1	113	04/97	Bobbin	ADI		1.22	16TH TSP	+27.97
		04/97	Bobbin	ADI		1.98	16TH TSP	+18.81
		04/97	Bobbin	ODI	22	0.91	7TH TSP	+33.25
		04/97	C/L Special Interest	VOL		0.76	16TH TSP	+27.53
		04/97	C/L Special Interest	VOL		0.80	16TH TSP	+18.40
2	2	04/97	Bobbin	ADI		1.78	18TH TSP	+29.26
		04/97	C/L Special Interest	VOL		0.88	18TH TSP	+28.81
2	3	04/97	Bobbin	ADI		5.29	13TH TSP	+25.86
		04/97	Bobbin	ODI	10	1.36	3RD TSP	+26.90
		04/97	Bobbin	ODI	26	0.63	5TH TSP	+31.44
		04/97	C/L Special Interest	VOL		1.55	13TH TSP	+25.54
2	7	04/97	Bobbin	NQI		0.96	7TH TSP	+17.51
		04/97	Bobbin	ODI	18	1.04	7TH TSP	+16.39
2	30	04/97	Bobbin	ODI	6	0.88	12TH TSP	+7.05
2	45	04/97	Bobbin	NQI		0.43	1ST TSP	+25.38
2	51	04/97	Bobbin	ADI		1.95	TTS-CL	+5.58
		04/97	C/L Special Interest	VOL		0.63	TTS-CL	+5.79
2	58	04/97	Bobbin	NQI		0.39	11TH TSP	+3.30
2	72	04/97	Bobbin	ADI		2.31	16TH TSP	+29.40
		04/97	Bobbin	ODI	6	0.84	5TH TSP	+14.49
		04/97	C/L Special Interest	VOL		0.77	14TH TSP	-7.75
2	95	04/97	Bobbin	NQI		1.26	18TH TSP	-0.78 to +20.24
2	102	04/97	Bobbin	ODI	26	0.40	5TH TSP	+2.52
		04/97	H/L Special Interest	VOL		0.65	5TH TSP	+2.32
2	109	04/97	Bobbin	ADI		1.32	12TH TSP	+21.09
		04/97	C/L Special Interest	VOL		0.57	12TH TSP	+20.56

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
2	113	04/97	Bobbin	ADI		1.40	16TH TSP	+32.60	
		04/97	C/L Special Interest	VOL		0.77	16TH TSP	+32.21	
3	4	04/97	Bobbin	ODI	20	0.36	7TH TSP	+36.44	
		04/97	H/L Special Interest	VOL		0.27	8TH TSP	-11.93	
3	6	04/97	Bobbin	ODI	20	0.55	10TH TSP	+20.34	
3	8	04/97	Bobbin	NQI		0.26	12TH TSP	+32.85	
3	9	04/97	Bobbin	ADI		1.92	13TH TSP	+35.17	
		04/97	Bobbin	ODI	9	2.59	10TH TSP	+36.79	
		04/97	C/L Special Interest	VOL		0.25	12TH TSP	-10.11	
		04/97	C/L Special Interest	VOL		0.62	12TH TSP	-8.28	
3	13	04/97	Bobbin	ODI	19	2.03	17TH TSP	+12.13	
		04/97	C/L Special Interest	VOL		1.30	16TH TSP	-5.26	
3	24	04/97	Bobbin	ADI		2.19	18TH TSP	+9.03	
		04/97	C/L Special Interest	VOL		0.77	18TH TSP	+9.03	
3	29	04/97	Bobbin	NQI		0.21	16TH TSP	+9.14	
		04/97	Bobbin	NQI		0.71	12TH TSP	+35.91	
		04/97	Bobbin	ODI	4	0.87	11TH TSP	+35.70	
		04/97	Bobbin	ODI	25	0.30	10TH TSP	+15.17	
		04/97	C/L Special Interest	VOL		1.01	11TH TSP	-6.89	
3	37	04/97	Bobbin	NQI		0.30	10TH TSP	+26.48	
		04/97	Bobbin	ODI	9	0.77	7TH TSP	+26.06	
3	58	04/97	Bobbin	ADI		1.48	13TH TSP	+9.04	
		04/97	Bobbin	ODI	9	0.51	16TH TSP	+13.20	
		04/97	C/L Special Interest	VOL		0.48	13TH TSP	+9.34	
3	70	04/97	Bobbin	ODI	14	0.45	11TH TSP	+33.48	
3	76	04/97	Bobbin	NQI		1.63	10TH TSP	+16.28	
3	101	04/97	Bobbin	ODI	8	0.62	12TH TSP	+14.08	
4	1	04/97	Bobbin	NQI		0.19	7TH TSP	+36.03	
		04/97	Bobbin	NQI		0.45	10TH TSP	+35.21	
		04/97	Bobbin	NQI		0.50	10TH TSP	+28.70	
		04/97	Bobbin	ODI	5	0.97	8TH TSP	-1.46	
		04/97	H/L Special Interest	VOL		0.56	7TH TSP	+32.72	
4	3	04/97	Bobbin	NQI		0.39	10TH TSP	+38.09	
		04/97	Bobbin	NQI		0.70	10TH TSP	+40.61	
4	4	04/97	Bobbin	NQI		0.27	7TH TSP	+36.08	
		04/97	Bobbin	ODI	9	0.25	7TH TSP	+18.39	
4	5	04/97	Bobbin	ODI	24	0.55	7TH TSP	+42.04	
4	6	04/97	Bobbin	NQI		0.42	10TH TSP	+22.63	
4	12	04/97	Bobbin	ODI	20	0.39	7TH TSP	+25.44	
4	31	04/97	Bobbin	NQI		0.63	18TH TSP	+5.52	
		04/97	C/L Special Interest	VOL		0.79	18TH TSP	+5.78	
4	37	04/97	Bobbin	ADI		0.65	12TH TSP	+6.05	
		04/97	C/L Special Interest	VOL		0.20	12TH TSP	+5.87	
4	51	04/97	Bobbin	ADI		1.58	16TH TSP	+5.81	
		04/97	C/L Special Interest	VOL		0.77	16TH TSP	+5.56	
4	53	04/97	Bobbin	ODI	6	1.58	3RD TSP	+12.73	
4	65	04/97	Bobbin	ADI		1.24	15TH TSP	+8.71	to +13.33
4	68	04/97	Bobbin	ODI	1	0.90	2ND TSP	+3.04	
4	93	04/97	Bobbin	ODI	5	1.88	10TH TSP	+32.27	
		04/97	C/L Special Interest	VOL		1.36	10TH TSP	+32.16	
4	109	04/97	Bobbin	ODI	4	0.58	5TH TSP	+18.08	
4	113	04/97	Bobbin	ADI		1.45	14TH TSP	+2.61	
		04/97	C/L Special Interest	VOL		1.91	14TH TSP	+2.20	
5	2	04/97	Bobbin	NQI		0.99	10TH TSP	+42.81	
5	10	04/97	Bobbin	NQI		0.85	1ST TSP	+22.91	
		04/97	Bobbin	ODI	16	0.50	TTS-CL	+5.35	
		04/97	H/L Special Interest	VOL		1.24	2ND TSP	-5.14	
5	11	04/97	Bobbin	NQI		0.22	5TH TSP	+17.39	
		04/97	Bobbin	ODI	27	1.21	6TH TSP	+24.31	
		04/97	H/L Special Interest	VOL		1.17	5TH TSP	+16.54	
5	19	04/97	Bobbin	NQI		5.80	8TH TSP	+1.42	
		04/97	U-Bend	VOL		1.24	8TH TSP	+1.42	
5	34	04/97	Bobbin	ADI		1.42	18TH TSP	+8.09	
		04/97	Bobbin	ADI		1.40	13TH TSP	+5.10	to +10.23
		04/97	C/L Special Interest	VOL		0.41	18TH TSP	+7.57	

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.81	13TH TSP	+5.10 to +10.23
5	35	04/97	Bobbin	NQI		0.33	4TH TSP	+35.08
		04/97	Bobbin	NQI		0.51	4TH TSP	+12.33
		04/97	H/L Special Interest	VOL		0.58	4TH TSP	+36.61
		04/97	H/L Special Interest	VOL		0.86	4TH TSP	+12.38
5	42	04/97	Bobbin	ADI		1.46	13TH TSP	+32.21
		04/97	Bobbin	ADI		2.70	17TH TSP	+12.05
		04/97	C/L Special Interest	VOL		0.71	12TH TSP	-11.54
		04/97	C/L Special Interest	VOL		0.74	17TH TSP	+11.11
5	58	04/97	Bobbin	ODI	13	0.34	14TH TSP	+16.08
		04/97	C/L Special Interest	VOL		0.14	13TH TSP	+2.01
5	65	04/97	Bobbin	ADI		1.29	13TH TSP	+39.83
		04/97	Bobbin	ADI		1.63	11TH TSP	+18.64
		04/97	C/L Special Interest	VOL		0.29	11TH TSP	+19.55
		04/97	C/L Special Interest	VOL		0.46	12TH TSP	-4.12
5	81	04/97	Bobbin	ODI	11	0.81	11TH TSP	+25.11
5	88	04/97	Bobbin	NQI		0.55	5TH TSP	+20.32
		04/97	H/L Special Interest	VOL		1.01	5TH TSP	+20.64
6	1	04/97	H/L Special Interest	VOL		0.61	7TH TSP	+24.89
6	3	04/97	Bobbin	ODI	9	0.49	7TH TSP	+31.12
		04/97	H/L Special Interest	VOL		1.08	8TH TSP	-12.41
6	5	04/97	Bobbin	ODI	15	0.32	7TH TSP	+30.96
		04/97	Bobbin	ODI	20	0.31	7TH TSP	+28.79
6	10	04/97	Bobbin	NQI		0.28	7TH TSP	+27.26
6	11	04/97	Bobbin	ODI	11	0.63	10TH TSP	+30.81
6	16	04/97	Bobbin	ODI	6	0.54	7TH TSP	+29.11
6	18	04/97	Bobbin	NQI		0.34	10TH TSP	+26.66
		04/97	Bobbin	ODI	5	0.75	7TH TSP	+28.46
		04/97	Bobbin	ODI	5	1.12	7TH TSP	+23.88
		04/97	Bobbin	ODI	10	0.54	7TH TSP	+25.86
		04/97	Bobbin	ODI	4	0.41	10TH TSP	+22.86
		04/97	Bobbin	ODI	22	0.25	10TH TSP	+24.64
6	27	04/97	Bobbin	ODI	35	0.27	7TH TSP	+32.93
6	35	04/97	Bobbin	ODI	23	0.51	TTS-HL	+1.34
6	42	04/97	Bobbin	ADI		2.80	3RD TSP	+20.01
		04/97	H/L Special Interest	VOL		1.11	3RD TSP	+22.00
6	44	04/97	Bobbin	ODI	9	0.43	2ND TSP	+3.90
		04/97	H/L Special Interest	VOL		0.48	2ND TSP	+4.77
6	47	04/97	Bobbin	ODI	12	0.44	15TH TSP	+1.70
		04/97	C/L Special Interest	VOL		0.45	15TH TSP	+7.92
6	53	04/97	Bobbin	ODI	2	0.56	16TH TSP	+11.82
6	59	04/97	Bobbin	NQI		0.59	2ND TSP	+33.36
		04/97	H/L Special Interest	VOL		0.82	3RD TSP	-3.00
6	66	04/97	Bobbin	ODI	15	0.84	3RD TSP	+8.23
6	68	04/97	Bobbin	ODI	15	0.75	4TH TSP	+15.52
		04/97	Bobbin	ODI	18	0.42	11TH TSP	+5.32
6	77	04/97	Bobbin	ADI		1.75	18TH TSP	+9.57
		04/97	C/L Special Interest	VOL		0.81	18TH TSP	+9.53
		04/97	C/L Special Interest	VOL		1.04	18TH TSP	+10.34
6	81	04/97	Bobbin	NQI		0.50	12TH TSP	+6.15
		04/97	C/L Special Interest	VOL		0.39	12TH TSP	+6.68
6	82	04/97	Bobbin	ADI		1.38	18TH TSP	+8.66
		04/97	Bobbin	ODI	2	0.39	3RD TSP	+21.72
		04/97	Bobbin	ODI	6	1.06	1ST TSP	-0.94
		04/97	C/L Special Interest	VOL		0.81	18TH TSP	+8.69
6	91	04/97	Bobbin	ADI		1.25	4TH TSP	+10.59
		04/97	Bobbin	ODI	25	0.55	16TH TSP	+8.90
6	100	04/97	Bobbin	NQI		1.20	3RD TSP	+7.66
		04/97	Bobbin	ODI	19	1.45	3RD TSP	+5.29
		04/97	H/L Special Interest	VOL		1.22	3RD TSP	+5.34
		04/97	H/L Special Interest	VOL		1.50	3RD TSP	+7.85
7	2	04/97	Bobbin	ODI	22	0.43	7TH TSP	+30.09
7	3	04/97	Bobbin	NQI		0.48	7TH TSP	+36.94
		04/97	Bobbin	NQI		0.51	10TH TSP	+28.26
7	8	04/97	Bobbin	ODI	9	1.41	15TH TSP	+8.23

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
7	9	04/97	Bobbin		ODI	20	0.28	10TH TSP	+34.96
7	11	04/97	Bobbin		NQI		0.49	7TH TSP	+17.63
7	12	04/97	Bobbin		NQI		0.84	10TH TSP	+34.36
7	13	04/97	Bobbin		NQI		0.17	7TH TSP	+33.11
7	14	04/97	Bobbin		NQI		0.29	7TH TSP	+27.88
		04/97	Bobbin		NQI		0.36	7TH TSP	+27.98
		04/97	Bobbin		NQI		0.57	12TH TSP	+5.93
		04/97	Bobbin		ODI	17	0.65	12TH TSP	+3.98
		04/97	Bobbin		ODI	18	1.41	15TH TSP	+1.77
		04/97	Bobbin		ODI	19	1.00	12TH TSP	+3.94
		04/97	H/L Special Interest		VOL		0.64	8TH TSP	+16.95
		04/97	C/L Special Interest		VOL		0.67	12TH TSP	+5.77
		04/97	C/L Special Interest		VOL		1.04	12TH TSP	+3.90
		04/97	C/L Special Interest		VOL		1.24	15TH TSP	+1.66
7	36	04/97	Bobbin		ODI	8	1.25	4TH TSP	+8.65
7	44	04/97	Bobbin		NQI		0.32	10TH TSP	+10.65
		04/97	C/L Special Interest		VOL		0.80	10TH TSP	+9.67
7	58	04/97	Bobbin		NQI		0.50	5TH TSP	-1.48
		04/97	Bobbin		NQI		0.61	4TH TSP	+33.59
		04/97	Bobbin		NQI		0.84	1ST TSP	+6.74
		04/97	H/L Special Interest		VOL		0.73	1ST TSP	+6.84
		04/97	H/L Special Interest		VOL		1.08	4TH TSP	+33.59
		04/97	H/L Special Interest		VOL		1.12	4TH TSP	+41.61
7	62	04/97	Bobbin		ADI		2.17	18TH TSP	+4.50
		04/97	C/L Special Interest		VOL		0.91	18TH TSP	+4.45
7	71	04/97	Bobbin		ODI	34	1.23	7TH TSP	+10.71
7	84	04/97	Bobbin		ADI		1.39	10TH TSP	+11.57
		04/97	Bobbin		ODI	6	0.47	7TH TSP	+16.56
		04/97	Bobbin		ODI	8	0.77	10TH TSP	+12.48
7	87	04/97	Bobbin		ODI	13	0.99	7TH TSP	+22.16
7	93	04/97	Bobbin		ODI	5	0.35	12TH TSP	+21.58
7	99	04/97	Bobbin		ODI	2	2.50	11TH TSP	+34.45
		04/97	C/L Special Interest		VOL		0.28	10TH TSP	-9.75
7	112	04/97	Bobbin		NQI		0.72	11TH TSP	+31.94
		04/97	C/L Special Interest		VOL		0.66	10TH TSP	-12.16
8	3	04/97	Bobbin		ODI	32	0.21	7TH TSP	+32.35
8	5	04/97	Bobbin		NQI		1.34	8TH TSP	+1.10
8	6	04/97	Bobbin		ODI	6	1.47	7TH TSP	+18.30
		04/97	Bobbin		ODI	20	0.58	7TH TSP	+28.80
		04/97	Bobbin		ODI	15	0.20	10TH TSP	+36.94
8	8	04/97	Bobbin		NQI		0.36	7TH TSP	+29.01
		04/97	Bobbin		ODI	15	0.58	7TH TSP	+30.75
		04/97	Bobbin		ODI	30	0.57	7TH TSP	+21.90
		04/97	Bobbin		ODI	10	0.34	10TH TSP	+28.14
8	9	04/97	Bobbin		ODI	19	0.35	7TH TSP	+35.70
		04/97	Bobbin		ODI	17	0.43	10TH TSP	+35.65
8	10	04/97	Bobbin		NQI		0.23	7TH TSP	+19.82
8	11	04/97	Bobbin		NQI		0.29	10TH TSP	+15.82
8	12	04/97	Bobbin		ODI	32	0.41	7TH TSP	+24.14
8	13	04/97	Bobbin		NQI		0.25	7TH TSP	+31.37
8	16	04/97	Bobbin		ODI	14	0.67	7TH TSP	+24.41
8	19	04/97	Bobbin		ADI		1.70	5TH TSP	+16.42
		04/97	H/L Special Interest		VOL		1.27	5TH TSP	+17.43
8	21	04/97	Bobbin		ADI		2.63	2ND TSP	+7.57
		04/97	Bobbin		ADI		0.94	16TH TSP	+7.73
		04/97	Bobbin		ODI	21	0.51	2ND TSP	+11.31
		04/97	H/L Special Interest		VOL		0.39	2ND TSP	+8.25
8	31	04/97	Bobbin		NQI		0.45	10TH TSP	+39.47
8	56	04/97	Bobbin		ODI	12	0.96	2ND TSP	+22.77
8	60	04/97	Bobbin		NQI		0.86	6TH TSP	+39.98
8	66	04/97	Bobbin		ODI	7	0.99	15TH TSP	+12.73
8	68	04/97	Bobbin		ODI	12	0.84	13TH TSP	+12.91
8	71	04/97	Bobbin		NQI		0.63	18TH TSP	+2.61
		04/97	Bobbin		NQI		1.20	18TH TSP	+12.93
		04/97	Bobbin		ODI	17	1.29	18TH TSP	+13.04

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	C/L Special Interest	VOL		0.59	18TH TSP	+2.68
		04/97	C/L Special Interest	VOL		2.04	18TH TSP	+13.20
8	84	04/97	Bobbin	ADI		1.22	TTS-CL	+2.13
		04/97	C/L Special Interest	VOL		0.29	TTS-CL	+1.98
8	88	04/97	Bobbin	NQI		0.60	1ST TSP	+26.86
		04/97	H/L Special Interest	VOL		0.79	2ND TSP	-1.74
8	92	04/97	Bobbin	NQI		1.43	9TH TSP	+1.58
		04/97	Bobbin	ODI	21	0.73	7TH TSP	+25.78
		04/97	Bobbin	ODI	5	1.01	10TH TSP	+29.53
8	105	04/97	Bobbin	ODI	10	0.80	11TH TSP	+4.63
8	111	04/97	Bobbin	ODI	14	0.62	2ND TSP	+15.82
		04/97	Bobbin	ODI	20	0.80	7TH TSP	+18.10
9	3	04/97	Bobbin	ODI	29	0.26	7TH TSP	+25.54
		04/97	H/L Special Interest	VOL		0.94	7TH TSP	+24.79
9	5	04/97	Bobbin	ODI	2	0.63	10TH TSP	+23.44
9	10	04/97	Bobbin	ODI	9	1.09	2ND TSP	+20.04
9	12	04/97	Bobbin	ODI	27	0.46	10TH TSP	+22.63
9	20	04/97	Bobbin	ODI	8	0.33	5TH TSP	+37.83
9	34	04/97	Bobbin	NQI		0.46	12TH TSP	+32.96
		04/97	Bobbin	ODI	30	0.64	12TH TSP	+34.22
		04/97	C/L Special Interest	VOL		0.50	11TH TSP	-10.02
9	46	04/97	Bobbin	NQI		0.32	14TH TSP	+6.75
		04/97	C/L Special Interest	VOL		0.39	14TH TSP	+6.61
9	47	04/97	Bobbin	ODI	7	0.68	2ND TSP	+9.88
9	49	04/97	Bobbin	NQI		0.78	17TH TSP	+1.07
		04/97	Bobbin	NQI		0.27	3RD TSP	+2.27 to +10.31
		04/97	C/L Special Interest	VOL		0.54	17TH TSP	+0.95
		04/97	H/L Special Interest	VOL		0.66	3RD TSP	+0.55 to +10.41
9	50	04/97	Bobbin	NQI		1.58	3RD TSP	+1.00 to +10.92
9	56	04/97	Bobbin	ODI	28	0.86	13TH TSP	+18.60
9	61	04/97	Bobbin	ODI	5	0.45	17TH TSP	+12.02
		04/97	Bobbin	ODI	21	0.35	17TH TSP	+13.68
9	62	04/97	Bobbin	NQI		0.81	1ST TSP	+21.68 to +24.14
9	68	04/97	Bobbin	ADI		1.89	6TH TSP	+22.49
		04/97	H/L Special Interest	VOL		0.72	6TH TSP	+22.73
9	71	04/97	Bobbin	ODI	13	0.80	2ND TSP	+32.17
9	75	04/97	Bobbin	ODI	7	0.93	2ND TSP	+11.78
		04/97	Bobbin	ODI	16	0.73	1ST TSP	+15.02
9	91	04/97	Bobbin	ADI		2.50	13TH TSP	+28.93
9	92	04/97	Bobbin	ODI	8	0.55	17TH TSP	+7.47
		04/97	C/L Special Interest	VOL		0.19	17TH TSP	+7.81
10	3	04/97	Bobbin	NQI		0.17	7TH TSP	+28.17
		04/97	Bobbin	NQI		0.42	7TH TSP	+30.49
		04/97	Bobbin	ODI	3	0.20	7TH TSP	+29.34
		04/97	Bobbin	ODI	24	0.70	7TH TSP	+23.09
10	8	04/97	Bobbin	NQI		0.26	7TH TSP	+41.88
10	24	04/97	Bobbin	NQI		0.53	6TH TSP	+11.21
		04/97	H/L Special Interest	VOL		0.63	6TH TSP	+11.27
10	26	04/97	Bobbin	NQI		0.72	10TH TSP	+28.22
		04/97	Bobbin	ODI	13	0.30	7TH TSP	+26.87
		04/97	Bobbin	ODI	20	0.43	7TH TSP	+11.24
		04/97	Bobbin	ODI	21	0.26	7TH TSP	+24.67
		04/97	Bobbin	ODI	22	0.31	7TH TSP	+16.81
		04/97	Bobbin	ODI	26	0.65	7TH TSP	+26.53
10	31	04/97	Bobbin	NQI		0.52	10TH TSP	+34.38
		04/97	Bobbin	NQI		0.66	10TH TSP	+23.45
		04/97	Bobbin	ODI	23	0.47	7TH TSP	+36.77
		04/97	Bobbin	ODI	13	0.28	10TH TSP	+36.19
		04/97	Bobbin	ODI	25	0.33	10TH TSP	+11.23
		04/97	Bobbin	ODI	25	0.37	10TH TSP	+14.84
		04/97	C/L Special Interest	VOL		0.40	10TH TSP	+34.38
		04/97	C/L Special Interest	VOL		0.50	10TH TSP	+23.45
10	33	04/97	Bobbin	ODI	12	0.40	2ND TSP	+13.57
		04/97	Bobbin	ODI	4	0.66	13TH TSP	+9.04
		04/97	Bobbin	ODI	12	0.55	19TH TSP	+7.11

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	12	0.93	14TH TSP	+7.50
		04/97	Bobbin	ODI	18	0.29	18TH TSP	+6.38
		04/97	Bobbin	ODI	31	0.16	10TH TSP	+36.55
		04/97	Bobbin	ODI	33	0.25	10TH TSP	+35.59
		04/97	Bobbin	ODI	35	0.10	10TH TSP	+37.73
10	38	04/97	Bobbin	ODI	24	0.61	7TH TSP	+21.00
10	51	04/97	Bobbin	ODI	14	0.35	10TH TSP	+32.23
10	64	04/97	Bobbin	ODI	20	0.31	1ST TSP	+9.52
10	76	04/97	Bobbin	ODI	29	0.42	12TH TSP	-1.30
10	91	04/97	Bobbin	ADI		2.90	6TH TSP	+33.25
		04/97	H/L Special Interest	VOL		1.62	7TH TSP	+29.40
10	94	04/97	Bobbin	ODI	23	0.42	2ND TSP	+21.14
		04/97	H/L Special Interest	VOL		0.39	2ND TSP	+21.14
10	113	04/97	Bobbin	ODI	6	0.61	13TH TSP	+27.72
		04/97	Bobbin	ODI	17	0.50	13TH TSP	+21.53
11	2	04/97	Bobbin	ODI	8	0.90	10TH TSP	+38.55
		04/97	C/L Special Interest	VOL		1.64	10TH TSP	+37.99
11	4	04/97	Bobbin	ODI	24	0.60	7TH TSP	+29.72
11	10	04/97	Bobbin	NQI		0.64	10TH TSP	+34.89
		04/97	C/L Special Interest	VOL		1.88	9TH TSP	-10.28
11	24	04/97	Bobbin	NQI		0.46	3RD TSP	+12.08
		04/97	Bobbin	ODI	28	0.22	7TH TSP	+40.19
11	28	04/97	Bobbin	ODI	25	0.31	7TH TSP	+39.70
11	37	04/97	Bobbin	NQI		0.49	10TH TSP	+5.64
		04/97	Bobbin	ODI	15	0.60	10TH TSP	+10.31
		04/97	C/L Special Interest	VOL		1.64	10TH TSP	+5.32
		04/97	C/L Special Interest	VOL		1.90	10TH TSP	+9.44
11	40	04/97	Bobbin	NQI		0.44	10TH TSP	+39.08
11	45	04/97	Bobbin	ODI	5	0.82	2ND TSP	+32.95
11	61	04/97	Bobbin	ODI	12	1.19	2ND TSP	+5.17
11	82	04/97	Bobbin	ODI	9	0.32	13TH TSP	+26.86
		04/97	Bobbin	ODI	16	0.49	10TH TSP	+15.30
11	88	04/97	U-Bend	VOL		0.73	9TH TSP	+22.58
		04/97	Bobbin	ODI	16	1.06	3RD TSP	+1.95
11	89	04/97	Bobbin	NQI		0.50	15TH TSP	+1.97
11	90	04/97	Bobbin	NQI		0.27	14TH TSP	+12.91
		04/97	Bobbin	NQI		0.30	14TH TSP	+8.83
		04/97	Bobbin	ODI	4	0.72	13TH TSP	+7.62
		04/97	Bobbin	ODI	15	0.33	14TH TSP	+16.48
		04/97	Bobbin	ODI	25	0.58	14TH TSP	+15.30
11	93	04/97	Bobbin	ADI		1.56	7TH TSP	+27.87
		04/97	H/L Special Interest	VOL		0.53	7TH TSP	+27.03
11	95	04/97	Bobbin	ADI		0.93	12TH TSP	+14.92
		04/97	Bobbin	ADI		1.21	12TH TSP	+26.35
12	3	04/97	Bobbin	NQI		0.29	10TH TSP	+29.87
12	13	04/97	Bobbin	ODI	24	1.30	12TH TSP	-1.50
12	33	04/97	Bobbin	NQI		0.39	10TH TSP	+42.20
		04/97	Bobbin	ODI	7	0.84	18TH TSP	+11.61
		04/97	C/L Special Interest	VOL		0.55	9TH TSP	-3.80
		04/97	C/L Special Interest	VOL		0.55	18TH TSP	+11.96
12	40	04/97	Bobbin	NQI		0.25	8TH TSP	-0.15
12	80	04/97	Bobbin	ODI	6	1.36	7TH TSP	+33.97
		04/97	H/L Special Interest	VOL		0.75	8TH TSP	-11.75
12	91	04/97	Bobbin	NQI		0.45	2ND TSP	+9.95
		04/97	H/L Special Interest	VOL		0.42	2ND TSP	+9.81
12	109	04/97	Bobbin	ODI	10	0.75	6TH TSP	+39.11
13	10	04/97	Bobbin	ODI	12	0.67	12TH TSP	+25.71
		04/97	C/L Special Interest	VOL		0.26	12TH TSP	+26.65
13	14	04/97	Bobbin	NQI		0.51	4TH TSP	+27.43
		04/97	H/L Special Interest	VOL		1.31	4TH TSP	+27.12
13	20	04/97	Bobbin	NQI		0.48	9TH TSP	-1.44
		04/97	Bobbin	ODI	8	0.31	7TH TSP	+31.81
		04/97	C/L Special Interest	VOL		0.91	9TH TSP	-1.54
13	28	04/97	Bobbin	ODI	2	0.49	15TH TSP	+3.29
		04/97	C/L Special Interest	VOL		0.51	15TH TSP	+3.64

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
13	69	04/97	Bobbin	ODI	11	0.76	13TH TSP	+18.05
13	84	04/97	Bobbin	ODI	35	0.33	3RD TSP	+25.13
13	85	04/97	Bobbin	ADI		1.03	11TH TSP	+18.93
		04/97	Bobbin	ADI		1.55	12TH TSP	+16.15
13	86	04/97	Bobbin	ADI		0.77	17TH TSP	+11.43
		04/97	Bobbin	ODI	21	0.24	7TH TSP	+32.56
		04/97	Bobbin	ODI	9	0.24	10TH TSP	+25.64
13	88	04/97	Bobbin	ODI	38	0.96	16TH TSP	+11.69
13	90	04/97	Bobbin	NQI		0.74	13TH TSP	+7.40
13	92	04/97	Bobbin	ODI	1	1.19	12TH TSP	+9.66
		04/97	Bobbin	ODI	4	0.52	12TH TSP	+7.68
		04/97	Bobbin	ODI	8	1.45	13TH TSP	+38.22
		04/97	Bobbin	ODI	12	1.62	13TH TSP	+27.31
		04/97	Bobbin	ODI	12	2.03	12TH TSP	+21.42
		04/97	Bobbin	ODI	13	1.73	13TH TSP	+26.01
		04/97	Bobbin	ODI	16	1.14	12TH TSP	+11.61
		04/97	Bobbin	ODI	20	2.40	13TH TSP	+3.25
		04/97	Bobbin	ODI	22	0.44	12TH TSP	+22.40
		04/97	Bobbin	ODI	25	1.12	12TH TSP	+23.51
13	101	04/97	Bobbin	ODI	10	0.48	1ST TSP	+12.34
13	109	04/97	Bobbin	ODI	19	0.94	17TH TSP	+7.00
14	6	04/97	Bobbin	ADI		0.63	4TH TSP	+41.43
		04/97	Bobbin	ODI	18	1.23	4TH TSP	+40.55
14	37	04/97	Bobbin	ODI	16	0.53	15TH TSP	+12.83
		04/97	C/L Special Interest	VOL		0.36	15TH TSP	+13.47
14	39	04/97	Bobbin	ODI	27	0.91	7TH TSP	+44.04
		04/97	Bobbin	ODI	32	0.21	7TH TSP	+30.59
14	45	04/97	Bobbin	ODI	23	0.35	7TH TSP	-1.37
14	63	04/97	Bobbin	ODI	4	0.93	13TH TSP	+4.80
14	65	04/97	Bobbin	ADI		1.04	15TH TSP	+10.70
14	69	04/97	Bobbin	ADI		1.13	15TH TSP	+6.45
14	70	04/97	Bobbin	ODI	15	0.78	4TH TSP	+12.89
14	77	04/97	Bobbin	ODI	17	0.96	4TH TSP	+34.85
14	81	04/97	Bobbin	ODI	4	0.70	11TH TSP	+20.37
14	82	04/97	Bobbin	ODI	16	0.78	4TH TSP	+41.32
14	87	04/97	Bobbin	ODI	17	0.98	13TH TSP	+23.50
14	91	04/97	Bobbin	ODI	4	1.47	10TH TSP	+42.85
		04/97	Bobbin	ODI	6	1.48	10TH TSP	+40.94
15	5	04/97	Bobbin	NQI		0.35	10TH TSP	+23.65
15	8	04/97	Bobbin	ODI	11	0.45	10TH TSP	+27.85
15	13	04/97	Bobbin	ODI	6	1.09	12TH TSP	+26.22
15	15	04/97	Bobbin	NQI		0.63	10TH TSP	+38.01
15	17	04/97	Bobbin	NQI		0.92	9TH TSP	-1.31
15	36	04/97	Bobbin	ADI		1.08	10TH TSP	+26.51
		04/97	Bobbin	NQI		0.37	10TH TSP	+19.52
		04/97	Bobbin	NQI		0.41	10TH TSP	+21.06
		04/97	C/L Special Interest	VOL		0.99	10TH TSP	+17.22 to +28.94
15	49	04/97	U-Bend	VOL		1.89	1AVB	+1.84
		04/97	Bobbin	WAR	28	2.05	1AVB	+0.00
15	56	04/97	Bobbin	ODI	9	1.46	11TH TSP	+30.03
15	58	04/97	Bobbin	ADI		1.27	3RD TSP	+26.27
		04/97	Bobbin	ADI		3.06	9TH TSP	+4.88
		04/97	U-Bend	VOL		2.51	9TH TSP	+4.88
15	79	04/97	Bobbin	ADI		1.77	18TH TSP	+11.20
15	87	04/97	Bobbin	NQI		0.43	3RD TSP	+25.62
15	90	04/97	Bobbin	ODI	17	0.44	15TH TSP	+13.09
15	98	04/97	Bobbin	ODI	18	0.81	17TH TSP	+9.58
		04/97	Bobbin	ODI	25	0.69	10TH TSP	+12.39
15	101	04/97	Bobbin	ODI	10	0.46	1ST TSP	+11.05
16	4	04/97	Bobbin	NQI		0.34	5TH TSP	+21.06
		04/97	H/L Special Interest	VOL		1.24	5TH TSP	+20.64
16	12	04/97	Bobbin	ODI	12	0.29	10TH TSP	+35.09
16	19	04/97	Bobbin	ODI	6	1.03	1ST TSP	+8.37
		04/97	Bobbin	ODI	5	0.60	19TH TSP	+7.98
		04/97	Bobbin	ODI	9	0.26	10TH TSP	+39.05

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin		ODI	9	0.66	19TH TSP	+7.77
16	20	04/97	Bobbin		ADI		1.78	5TH TSP	+26.30
		04/97	H/L Special Interest		VOL		0.75	6TH TSP	-17.45
16	23	04/97	Bobbin		ADI		1.05	10TH TSP	+35.20
		04/97	C/L Special Interest		VOL		0.78	9TH TSP	-10.76
16	53	04/97	Bobbin		NQI		0.53	5TH TSP	+19.81
		04/97	Bobbin		ODI	4	1.06	6TH TSP	+13.46
		04/97	Bobbin		ODI	5	1.06	3RD TSP	+34.04
		04/97	Bobbin		ODI	31	0.92	7TH TSP	+27.86
		04/97	Bobbin		ODI	3	2.47	14TH TSP	+9.55
		04/97	Bobbin		ODI	24	0.49	10TH TSP	+21.00
16	69	04/97	Bobbin		ODI	3	0.33	2ND TSP	+5.91
16	72	04/97	Bobbin		NQI		0.35	11TH TSP	+37.60
		04/97	Bobbin		NQI		0.44	11TH TSP	+37.29
16	88	04/97	Bobbin		NQI		1.89	11TH TSP	+15.31
		04/97	C/L Special Interest		VOL		1.89	11TH TSP	+17.00
16	100	04/97	Bobbin		NQI		0.95	TTS-HL	+3.06
		04/97	Bobbin		ODI	11	1.03	11TH TSP	+34.39
16	101	04/97	Bobbin		ODI	34	0.33	11TH TSP	+13.83
16	103	04/97	Bobbin		ODI	23	0.67	2ND TSP	+28.67
16	108	04/97	Bobbin		NQI		0.25	7TH TSP	+13.22
16	110	04/97	Bobbin		ADI		1.37	6TH TSP	+34.69
17	5	04/97	Bobbin		ODI	19	0.71	10TH TSP	+22.24
17	8	04/97	Bobbin		ADI		0.87	5TH TSP	+14.13
		04/97	Bobbin		ADI		1.38	11TH TSP	+24.65
		04/97	C/L Special Interest		VOL		0.54	11TH TSP	+23.73
17	34	04/97	Bobbin		NQI		0.30	9TH TSP	+0.17
17	36	04/97	Bobbin		NQI		0.61	6TH TSP	+13.30
		04/97	H/L Special Interest		VOL		0.79	6TH TSP	+14.08
17	40	04/97	Bobbin		NQI		0.94	10TH TSP	+10.40
		04/97	C/L Special Interest		VOL		1.47	10TH TSP	+10.40
17	42	04/97	Bobbin		ADI		3.07	1ST TSP	+3.84
		04/97	H/L Special Interest		VOL		1.03	1ST TSP	+3.96
17	47	04/97	Bobbin		ADI		1.35	1ST TSP	+8.91
		04/97	H/L Special Interest		VOL		0.94	1ST TSP	+9.57
17	50	04/97	Bobbin		NQI		0.38	2ND TSP	+29.72
		04/97	H/L Special Interest		VOL		0.71	3RD TSP	-6.44
17	59	04/97	Bobbin		ODI	7	1.48	2ND TSP	+26.79
		04/97	Bobbin		ODI	9	1.10	2ND TSP	+30.13
		04/97	Bobbin		ODI	12	0.48	2ND TSP	+24.96
17	65	04/97	Bobbin		ADI		3.35	12TH TSP	+9.68
17	73	04/97	Bobbin		ADI		0.46	5TH TSP	+24.82
17	86	04/97	Bobbin		ADI		1.08	7TH TSP	+30.57
		04/97	H/L Special Interest		VOL		0.67	8TH TSP	-15.43
17	87	04/97	Bobbin		ODI	16	1.36	3RD TSP	+32.78
		04/97	Bobbin		ODI	5	0.64	13TH TSP	+40.83
		04/97	Bobbin		ADI		0.93	4TH TSP	+1.98 to +21.21
		04/97	Bobbin		ADI		4.12	2ND TSP	+20.95 to +28.10
		04/97	Bobbin		ADI		5.01	3RD TSP	+15.92 to +22.13
		04/97	H/L Special Interest		VOL		0.28	4TH TSP	+5.13
		04/97	H/L Special Interest		VOL		0.30	4TH TSP	+2.25
		04/97	H/L Special Interest		VOL		0.43	4TH TSP	+7.53
		04/97	H/L Special Interest		VOL		1.56	3RD TSP	+32.59
		04/97	H/L Special Interest		VOL		2.86	3RD TSP	+16.25
		04/97	H/L Special Interest		VOL		2.15	2ND TSP	+20.48 to +27.48
17	89	04/97	Bobbin		NQI		0.27	13TH TSP	+40.86
		04/97	C/L Special Interest		VOL		0.51	12TH TSP	-2.34
17	106	04/97	Bobbin		ODI	7	0.74	7TH TSP	+14.36
		04/97	Bobbin		ODI	29	0.42	7TH TSP	+28.56
18	20	04/97	Bobbin		ADI		2.47	16TH TSP	+1.95
		04/97	C/L Special Interest		VOL		0.90	16TH TSP	+1.63
18	22	04/97	Bobbin		NQI		0.16	7TH TSP	+13.54
		04/97	Bobbin		NQI		0.41	7TH TSP	+14.84
		04/97	Bobbin		ODI	33	0.21	7TH TSP	+26.39
18	59	04/97	Bobbin		ADI		1.16	1ST TSP	+14.79

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ADI		0.32	18TH TSP	+2.22
		04/97	H/L Special Interest	VOL		0.87	1ST TSP	+14.79
18	73	04/97	Bobbin	ADI		0.87	13TH TSP	+6.01 to +17.62
		04/97	C/L Special Interest	VOL		0.24	13TH TSP	+6.01 to +17.62
18	86	04/97	Bobbin	ADI		0.74	6TH TSP	+37.30
		04/97	Bobbin	ODI	20	0.40	10TH TSP	+43.07
		04/97	H/L Special Interest	VOL		0.61	7TH TSP	-4.85
		04/97	H/L Special Interest	VOL		0.82	7TH TSP	-5.57
18	87	04/97	Bobbin	NQI		0.68	1ST TSP	+13.17
		04/97	H/L Special Interest	VOL		1.85	1ST TSP	+13.17
18	96	04/97	Bobbin	ADI		1.00	10TH TSP	+42.49
		04/97	C/L Special Interest	VOL		0.31	9TH TSP	-11.18
		04/97	C/L Special Interest	VOL		0.58	9TH TSP	-4.94
18	108	04/97	Bobbin	NQI		0.42	6TH TSP	+7.66
		04/97	Bobbin	ODI	7	0.59	4TH TSP	+4.90
18	110	04/97	Bobbin	NQI		0.79	13TH TSP	+10.98 to +20.94
		04/97	C/L Special Interest	VOL		0.35	13TH TSP	+10.98 to +20.94
19	11	04/97	Bobbin	ADI		1.09	13TH TSP	+18.89
		04/97	Bobbin	ADI		1.51	17TH TSP	+6.71
		04/97	Bobbin	ODI	10	0.51	17TH TSP	+4.71
		04/97	C/L Special Interest	VOL		0.51	13TH TSP	+18.19
		04/97	C/L Special Interest	VOL		0.52	17TH TSP	+6.51
		04/97	C/L Special Interest	VOL		0.64	17TH TSP	+4.56
19	12	04/97	Bobbin	NQI		0.23	10TH TSP	+36.66
		04/97	C/L Special Interest	VOL		0.53	9TH TSP	-7.98
19	13	04/97	Bobbin	ODI	9	0.79	10TH TSP	+37.37
19	15	04/97	Bobbin	ODI	19	0.27	10TH TSP	+38.07
19	21	04/97	Bobbin	ODI	14	0.30	18TH TSP	+8.76
19	22	04/97	Bobbin	NQI		0.37	10TH TSP	+40.90
		04/97	Bobbin	NQI		0.77	10TH TSP	+42.02
19	23	04/97	Bobbin	NQI		0.41	14TH TSP	-1.30
		04/97	Bobbin	NQI		0.50	13TH TSP	+36.17
		04/97	Bobbin	NQI		0.93	13TH TSP	+17.45
		04/97	Bobbin	ODI	35	1.18	7TH TSP	+9.85
		04/97	Bobbin	ODI	2	1.01	11TH TSP	+33.73
		04/97	Bobbin	ODI	8	0.89	10TH TSP	+9.54
		04/97	Bobbin	ODI	15	0.75	13TH TSP	-0.86
		04/97	C/L Special Interest	VOL		0.77	13TH TSP	+17.40
19	24	04/97	Bobbin	ADI		1.89	13TH TSP	+34.09
		04/97	C/L Special Interest	VOL		0.68	12TH TSP	-9.10
19	48	04/97	Bobbin	NQI		0.51	13TH TSP	+27.86
19	60	04/97	Bobbin	ODI	8	0.36	18TH TSP	+6.04
19	67	04/97	Bobbin	ODI	26	0.35	10TH TSP	+43.76
19	95	04/97	Bobbin	NQI		0.35	7TH TSP	+23.37
		04/97	Bobbin	NQI		0.46	7TH TSP	+29.12
		04/97	Bobbin	NQI		0.25	10TH TSP	+35.14
		04/97	Bobbin	NQI		0.31	10TH TSP	+24.22
		04/97	Bobbin	ODI	26	0.44	7TH TSP	+25.98
		04/97	C/L Special Interest	VOL		0.28	10TH TSP	+24.18
		04/97	C/L Special Interest	VOL		1.07	10TH TSP	+25.34
19	99	04/97	Bobbin	ODI	39	0.34	18TH TSP	+4.06
19	107	04/97	Bobbin	ODI	26	1.81	16TH TSP	+14.57
20	18	04/97	Bobbin	NQI		0.33	12TH TSP	+34.30
		04/97	C/L Special Interest	VOL		0.56	11TH TSP	-8.59
20	20	04/97	U-Bend	VOL		1.62	1AVB	+5.84
		04/97	Bobbin	ODI	18	0.61	1AVB	+5.66
20	21	04/97	Bobbin	ADI		2.22	9TH TSP	+6.59
20	23	04/97	Bobbin	ADI		2.25	1AVB	+6.06
		04/97	U-Bend	VOL		1.77	1AVB	+6.06
20	53	04/97	Bobbin	ODI	5	0.77	TTS-HL	+17.67
20	54	04/97	Bobbin	ODI	13	1.03	10TH TSP	+17.54
		04/97	Bobbin	ODI	16	0.94	18TH TSP	+14.34
20	58	04/97	Bobbin	ODI	17	0.31	10TH TSP	+37.35
20	61	04/97	Bobbin	ODI	1	0.89	4TH TSP	+8.81
		04/97	Bobbin	ODI	12	0.85	3RD TSP	+27.77

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
20	70	04/97	Bobbin	ODI	14	0.79	18TH TSP	+11.92
20	71	04/97	Bobbin	ODI	20	0.34	18TH TSP	+8.53
20	72	04/97	Bobbin	NQI		0.45	18TH TSP	+8.41
20	73	04/97	Bobbin	ODI	20	0.65	18TH TSP	+8.40
20	74	04/97	Bobbin	ADI		1.52	4AVB	+10.59
		04/97	Bobbin	ODI	20	0.43	4TH TSP	+27.30
		04/97	Bobbin	ODI	21	0.61	4TH TSP	+38.55
		04/97	Bobbin	ODI	4	0.62	14TH TSP	+2.92
		04/97	Bobbin	ODI	7	0.70	12TH TSP	+37.74
20	75	04/97	Bobbin	ODI	24	0.41	18TH TSP	+8.59
20	78	04/97	Bobbin	ODI	15	1.12	10TH TSP	+20.21
		04/97	C/L Special Interest	VOL		0.52	10TH TSP	+19.62
20	80	04/97	Bobbin	ODI	4	1.82	10TH TSP	+7.62
		04/97	C/L Special Interest	VOL		0.82	10TH TSP	+7.45
20	81	04/97	Bobbin	ODI	18	0.48	18TH TSP	+8.79
20	82	04/97	Bobbin	ODI	15	0.39	18TH TSP	+8.10
20	83	04/97	Bobbin	ODI	25	0.28	18TH TSP	+8.00
20	90	04/97	Bobbin	ODI	30	0.35	18TH TSP	+5.78
20	91	04/97	Bobbin	NQI		0.26	18TH TSP	+9.29
20	92	04/97	Bobbin	ODI	36	0.67	18TH TSP	+6.71
		04/97	C/L Special Interest	VOL		0.30	18TH TSP	+7.48
20	93	04/97	Bobbin	NQI		0.51	18TH TSP	+9.16
		04/97	C/L Special Interest	VOL		0.79	18TH TSP	+10.01
20	95	04/97	Bobbin	NQI		0.58	18TH TSP	+9.00
		04/97	C/L Special Interest	VOL		0.66	18TH TSP	+9.71
20	96	04/97	Bobbin	ODI	28	0.66	18TH TSP	+8.11
20	97	04/97	Bobbin	ODI	25	0.18	18TH TSP	+4.89
20	98	04/97	Bobbin	ODI	25	0.36	18TH TSP	+9.47
20	99	04/97	Bobbin	ODI	8	0.35	18TH TSP	+9.24
20	100	04/97	Bobbin	ODI	30	0.47	18TH TSP	+9.16
20	102	04/97	Bobbin	ODI	32	0.42	18TH TSP	+9.44
20	103	04/97	Bobbin	ODI	23	0.60	18TH TSP	+9.19
20	104	04/97	Bobbin	ODI	24	0.80	18TH TSP	+9.44
20	105	04/97	Bobbin	NQI		0.81	18TH TSP	+6.84
20	106	04/97	Bobbin	ODI	23	0.84	1ST TSP	+23.78
20	108	04/97	Bobbin	ODI	38	0.20	18TH TSP	+9.82
20	110	04/97	Bobbin	NQI		0.60	18TH TSP	+4.31
21	9	04/97	Bobbin	ODI	5	0.54	1ST TSP	+9.52
21	20	04/97	Bobbin	ADI		1.68	12TH TSP	+31.74
		04/97	C/L Special Interest	VOL		1.21	11TH TSP	-11.23
21	21	04/97	Bobbin	ADI		1.35	16TH TSP	+13.92
		04/97	Bobbin	ADI		1.74	14TH TSP	+5.79
		04/97	Bobbin	ODI	1	0.77	11TH TSP	+3.19
		04/97	C/L Special Interest	VOL		0.72	14TH TSP	+5.79
		04/97	C/L Special Interest	VOL		0.94	15TH TSP	-4.32
21	33	04/97	Bobbin	NQI		0.77	5TH TSP	+19.50
21	36	04/97	Bobbin	NQI		0.25	10TH TSP	+41.41
		04/97	Bobbin	NQI		0.41	10TH TSP	+41.80
		04/97	Bobbin	ODI	18	0.30	7TH TSP	+42.37
		04/97	C/L Special Interest	VOL		0.20	9TH TSP	-4.62
21	47	04/97	Bobbin	NQI		0.93	16TH TSP	+14.69
		04/97	C/L Special Interest	VOL		0.96	15TH TSP	-3.38
21	55	04/97	Bobbin	ODI	10	0.29	19TH TSP	+7.67
21	61	04/97	Bobbin	ODI	22	0.74	18TH TSP	+11.98
21	63	04/97	Bobbin	ODI	26	0.55	18TH TSP	+14.45
21	65	04/97	Bobbin	ODI	23	0.29	18TH TSP	+13.60
21	66	04/97	Bobbin	ODI	34	0.43	18TH TSP	+15.40
21	68	04/97	Bobbin	ODI	11	0.64	4TH TSP	+7.48
		04/97	Bobbin	ODI	13	0.96	18TH TSP	+11.63
21	69	04/97	Bobbin	ODI	26	0.88	18TH TSP	+13.58
21	71	04/97	Bobbin	NQI		0.16	18TH TSP	+13.64
21	72	04/97	Bobbin	ODI	1	1.57	10TH TSP	+30.88
		04/97	Bobbin	ODI	16	0.40	18TH TSP	+12.03
21	73	04/97	Bobbin	ODI	21	0.46	18TH TSP	+13.09
21	74	04/97	Bobbin	ODI	31	0.80	18TH TSP	+11.44

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
21	76	04/97	Bobbin	ODI	17	0.77	18TH TSP	+14.06
21	77	04/97	Bobbin	ODI	5	0.70	7TH TSP	+25.12
		04/97	Bobbin	ODI	21	0.93	18TH TSP	+11.25
21	80	04/97	Bobbin	ODI	23	0.45	18TH TSP	+12.33
21	81	04/97	Bobbin	ODI	11	1.11	18TH TSP	+12.36
21	82	04/97	Bobbin	NQI		0.38	8TH TSP	-0.03
		04/97	Bobbin	ODI	27	0.75	18TH TSP	+12.30
21	83	04/97	Bobbin	ODI	12	1.64	18TH TSP	+12.32
		04/97	Bobbin	ODI	18	0.67	15TH TSP	+12.08
21	84	04/97	Bobbin	ODI	6	0.64	18TH TSP	+12.54
21	85	04/97	Bobbin	ODI	17	0.90	18TH TSP	+12.54
21	87	04/97	Bobbin	ODI	11	0.50	TTS-CL	+3.10
		04/97	Bobbin	ODI	22	1.01	18TH TSP	+12.42
21	88	04/97	Bobbin	ODI	11	0.73	18TH TSP	+12.49
21	89	04/97	Bobbin	ODI	6	0.82	18TH TSP	+12.68
21	90	04/97	Bobbin	NQI		0.22	10TH TSP	+14.11
		04/97	Bobbin	ODI	18	1.02	18TH TSP	+12.80
21	91	04/97	Bobbin	NQI		0.20	18TH TSP	+5.31
		04/97	Bobbin	NQI		0.22	12TH TSP	+9.50
		04/97	Bobbin	ODI	12	0.53	12TH TSP	+19.79
		04/97	Bobbin	ODI	12	0.57	18TH TSP	+12.64
		04/97	C/L Special Interest	VOL		0.57	12TH TSP	+21.48
		04/97	C/L Special Interest	VOL		0.65	12TH TSP	+8.08
21	93	04/97	Bobbin	ODI	1	0.80	11TH TSP	+11.88
		04/97	Bobbin	ODI	13	0.70	11TH TSP	+30.87
		04/97	Bobbin	ODI	16	0.86	11TH TSP	+13.73
		04/97	Bobbin	ODI	16	0.95	11TH TSP	+23.70
		04/97	Bobbin	ODI	16	1.12	11TH TSP	+17.39
		04/97	Bobbin	ODI	23	0.78	11TH TSP	+13.06
		04/97	Bobbin	ODI	25	0.44	18TH TSP	+12.81
		04/97	Bobbin	ODI	28	0.73	11TH TSP	+20.52
21	94	04/97	Bobbin	ODI	6	1.43	18TH TSP	+12.57
21	96	04/97	Bobbin	NQI		0.19	18TH TSP	+7.95
		04/97	Bobbin	NQI		0.97	18TH TSP	+13.00
		04/97	C/L Special Interest	VOL		0.52	18TH TSP	+8.58
		04/97	C/L Special Interest	VOL		1.00	18TH TSP	+13.83
21	97	04/97	Bobbin	ODI	2	0.87	18TH TSP	+2.72
21	99	04/97	Bobbin	ODI	27	0.94	18TH TSP	+2.69
21	101	04/97	Bobbin	ODI	7	1.35	18TH TSP	+3.07
21	103	04/97	Bobbin	ODI	39	0.81	18TH TSP	+2.72
		04/97	C/L Special Interest	VOL		0.54	18TH TSP	+3.00
21	104	04/97	Bobbin	ODI	14	0.87	18TH TSP	+3.21
21	105	04/97	Bobbin	ODI	3	1.52	1AVB	+5.52
		04/97	Bobbin	NQI		0.97	18TH TSP	+2.69
		04/97	C/L Special Interest	VOL		1.21	18TH TSP	+3.03
21	109	04/97	Bobbin	ODI	18	0.53	18TH TSP	+2.98
22	16	04/97	Bobbin	ODI	8	0.74	10TH TSP	+37.83
		04/97	Bobbin	ODI	15	0.29	10TH TSP	+36.68
		04/97	Bobbin	ODI	21	0.25	10TH TSP	+27.87
22	23	04/97	Bobbin	ODI	16	0.25	10TH TSP	+26.02
22	27	04/97	Bobbin	ODI	38	0.71	16TH TSP	+11.04
		04/97	C/L Special Interest	VOL		0.74	15TH TSP	-6.96
22	30	04/97	Bobbin	ODI	12	0.57	18TH TSP	+13.71
22	70	04/97	Bobbin	ODI	1	0.50	15TH TSP	+9.17
22	74	04/97	Bobbin	ADI		0.60	16TH TSP	+14.85
		04/97	Bobbin	ODI	10	1.20	10TH TSP	+4.31
		04/97	C/L Special Interest	VOL		0.76	15TH TSP	-3.59
22	88	04/97	Bobbin	ODI	1	0.87	17TH TSP	+6.89
22	89	04/97	Bobbin	NQI		0.24	7TH TSP	+22.21
		04/97	Bobbin	NQI		0.28	7TH TSP	+43.91
		04/97	Bobbin	ODI	5	1.28	5TH TSP	+34.77
		04/97	Bobbin	ODI	18	0.29	7TH TSP	+39.93
22	91	04/97	Bobbin	ODI	18	0.34	16TH TSP	+10.06
22	92	04/97	Bobbin	ODI	1	0.90	1ST TSP	+7.70
22	102	04/97	Bobbin	ODI	12	1.48	13TH TSP	+17.74

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
22	109	04/97	Bobbin	ODI	37	0.24	18TH TSP	+5.20
23	6	04/97	Bobbin	NQI		0.38	8TH TSP	+1.20
23	9	04/97	Bobbin	ADI		0.93	7TH TSP	+40.66
		04/97	Bobbin	ODI	10	0.51	1ST TSP	+21.21
		04/97	H/L Special Interest	VOL		1.65	8TH TSP	-4.47
23	45	04/97	Bobbin	NQI		1.41	7TH TSP	+2.73
		04/97	U-Bend	VOL		2.66	8TH TSP	+9.34
		04/97	Bobbin	ODI	12	0.96	7TH TSP	+30.67
		04/97	Bobbin	ODI	12	1.84	8TH TSP	+9.34
		04/97	H/L Special Interest	VOL		0.49	7TH TSP	+37.09
		04/97	H/L Special Interest	VOL		0.59	7TH TSP	+29.79
23	75	04/97	Bobbin	ODI	10	0.74	4TH TSP	+10.89
		04/97	Bobbin	ODI	14	0.18	18TH TSP	+7.70
23	79	04/97	Bobbin	ODI	9	0.28	11TH TSP	+10.17
23	99	04/97	Bobbin	NQI		0.57	18TH TSP	+9.21
23	103	04/97	Bobbin	NQI		0.66	10TH TSP	+43.97
23	108	04/97	Bobbin	ODI	28	0.39	11TH TSP	+12.10
24	10	04/97	Bobbin	ODI	9	0.76	1ST TSP	+4.30
24	13	04/97	Bobbin	ADI		0.85	14TH TSP	+14.11
		04/97	Bobbin	ADI		0.92	18TH TSP	+10.10
		04/97	Bobbin	ADI		1.31	17TH TSP	+10.70
		04/97	C/L Special Interest	VOL		0.24	18TH TSP	+9.25
		04/97	C/L Special Interest	VOL		0.32	13TH TSP	-4.06
		04/97	C/L Special Interest	VOL		0.60	17TH TSP	+9.96
24	19	04/97	Bobbin	ODI	5	1.83	13TH TSP	+29.34
24	28	04/97	Bobbin	NQI		0.69	13TH TSP	+22.53
		04/97	Bobbin	ODI	11	0.21	7TH TSP	+20.59
		04/97	Bobbin	ODI	12	1.47	7TH TSP	+23.59
		04/97	H/L Special Interest	VOL		0.19	7TH TSP	+20.00
		04/97	H/L Special Interest	VOL		1.62	7TH TSP	+22.67
		04/97	C/L Special Interest	VOL		0.94	13TH TSP	+22.53
24	36	04/97	Bobbin	ODI	9	0.51	7TH TSP	+40.79
		04/97	Bobbin	ODI	14	0.29	10TH TSP	+42.51
24	47	04/97	Bobbin	NQI		0.30	19TH TSP	+2.80
24	60	04/97	Bobbin	NQI		1.21	7TH TSP	+24.66
		04/97	H/L Special Interest	VOL		1.37	7TH TSP	+24.34
24	62	04/97	Bobbin	NQI		0.36	11TH TSP	-0.79
		04/97	C/L Special Interest	VOL		0.88	11TH TSP	-0.82
24	71	04/97	Bobbin	ADI		2.10	13TH TSP	+8.49 to +14.20
		04/97	C/L Special Interest	VOL		0.45	13TH TSP	+8.49 to +14.82
24	72	04/97	Bobbin	ODI	10	1.00	10TH TSP	+38.88
24	79	04/97	Bobbin	ODI	16	0.89	17TH TSP	+12.42
24	86	04/97	Bobbin	NQI		0.95	4AVB	+14.30
		04/97	Bobbin	ODI	12	0.79	4TH TSP	+10.52
		04/97	Bobbin	ODI	21	1.22	10TH TSP	+39.13
24	91	04/97	Bobbin	NQI		0.61	17TH TSP	+8.29
		04/97	Bobbin	ODI	22	0.49	16TH TSP	+8.79
		04/97	Bobbin	ODI	22	1.14	17TH TSP	+7.21
		04/97	C/L Special Interest	VOL		0.27	17TH TSP	+8.37
		04/97	C/L Special Interest	VOL		1.39	17TH TSP	+7.35
24	102	04/97	Bobbin	ODI	10	1.00	11TH TSP	+28.76
24	103	04/97	Bobbin	ODI	12	0.71	17TH TSP	+3.13
24	104	04/97	Bobbin	WAR	10	0.49	3AVB	+0.00
		04/97	Bobbin	NQI		0.70	11TH TSP	+2.01 to +29.02
		04/97	C/L Special Interest	VOL		0.29	11TH TSP	+2.00 to +30.86
25	8	04/97	Bobbin	NQI		0.29	10TH TSP	+25.29
		04/97	Bobbin	ODI	10	0.59	7TH TSP	+22.62
		04/97	Bobbin	ODI	33	0.57	10TH TSP	+36.43
25	14	04/97	Bobbin	NQI		0.44	7TH TSP	+18.93
		04/97	Bobbin	NQI		0.58	7TH TSP	+30.40
		04/97	Bobbin	NQI		0.83	7TH TSP	+27.56
		04/97	Bobbin	NQI		1.16	7TH TSP	+26.43
25	15	04/97	Bobbin	ODI	24	0.56	10TH TSP	+34.73
25	16	04/97	Bobbin	ODI	10	0.83	10TH TSP	+32.91
25	19	04/97	Bobbin	ODI	3	0.21	7TH TSP	+13.85

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
25	21	04/97	Bobbin	ODI	22	1.60	4AVB	+15.77	
25	24	04/97	Bobbin	ODI	15	0.51	10TH TSP	+43.88	
25	31	04/97	Bobbin	ADI		1.24	4TH TSP	+9.27	
		04/97	Bobbin	ADI		1.29	8TH TSP	+17.78	
25	42	04/97	Bobbin	ODI	30	0.22	10TH TSP	+37.35	
25	45	04/97	Bobbin	ODI	10	0.22	13TH TSP	+18.45	
25	47	04/97	Bobbin	ODI	3	0.45	19TH TSP	+3.82	
25	50	04/97	Bobbin	NQI		0.70	6TH TSP	+40.54	
		04/97	H/L Special Interest	VOL		1.01	7TH TSP	-2.49	
25	51	04/97	Bobbin	ODI	3	0.91	6TH TSP	+4.22	
25	56	04/97	Bobbin	NQI		0.24	11TH TSP	+25.21	
		04/97	Bobbin	NQI		0.46	12TH TSP	+5.88	
		04/97	C/L Special Interest	VOL		0.65	10TH TSP	-7.78	
		04/97	C/L Special Interest	VOL		0.73	12TH TSP	+5.88	
25	62	04/97	Bobbin	ODI	9	1.45	2ND TSP	+12.98	
		04/97	Bobbin	ODI	12	1.29	10TH TSP	+26.33	
25	63	04/97	Bobbin	ADI		3.36	4AVB	+10.14	
		04/97	U-Bend	VOL		2.22	4AVB	+10.14	
25	71	04/97	Bobbin	NQI		0.35	12TH TSP	+7.17	
		04/97	C/L Special Interest	VOL		0.51	12TH TSP	+7.26	
25	80	04/97	Bobbin	ADI		1.73	5TH TSP	+27.83	
		04/97	H/L Special Interest	VOL		0.73	5TH TSP	+27.83	
25	91	04/97	Bobbin	ODI	5	0.99	12TH TSP	+1.68	
		04/97	Bobbin	ODI	10	1.06	12TH TSP	+1.22	
		04/97	C/L Special Interest	VOL		0.30	12TH TSP	+2.00	
		04/97	C/L Special Interest	VOL		0.60	12TH TSP	+1.13	
25	105	04/97	Bobbin	NQI		0.75	18TH TSP	+15.40	
25	107	04/97	U-Bend	VOL		1.48	2AVB	-0.00	
		04/97	Bobbin	WAR	8	0.40	3AVB	+0.00	
		04/97	Bobbin	WAR	23	1.42	2AVB	+0.00	
26	9	04/97	Bobbin	NQI		0.55	12TH TSP	+17.15	
		04/97	Bobbin	ODI	1	0.68	8TH TSP	-0.49	
		04/97	C/L Special Interest	VOL		0.90	12TH TSP	+17.85	
26	18	04/97	Bobbin	NQI		0.47	12TH TSP	+30.54	
		04/97	C/L Special Interest	VOL		0.94	11TH TSP	-12.40	
26	19	04/97	Bobbin	ODI	11	0.57	3RD TSP	+29.19	
		04/97	Bobbin	ODI	15	0.90	3RD TSP	+33.27	
		04/97	Bobbin	ODI	2	0.64	10TH TSP	+22.21	
26	27	04/97	Bobbin	NQI		0.84	4TH TSP	+12.21	
		04/97	H/L Special Interest	VOL		1.03	4TH TSP	+12.03	
26	28	04/97	Bobbin	ODI	1	0.54	16TH TSP	+4.07	
26	37	04/97	Bobbin	ODI	16	1.20	10TH TSP	+39.30	
26	39	04/97	Bobbin	NQI		0.65	5TH TSP	+8.33	
		04/97	Bobbin	ODI	9	1.02	7TH TSP	+40.61	
		04/97	Bobbin	ODI	10	0.15	7TH TSP	+31.14	
		04/97	Bobbin	ODI	12	0.41	7TH TSP	+34.95	
		04/97	H/L Special Interest	VOL		0.99	5TH TSP	+8.85	
26	42	04/97	Bobbin	ADI		1.12	15TH TSP	+12.58	
		04/97	C/L Special Interest	VOL		0.40	14TH TSP	-5.41	
26	46	04/97	Bobbin	ODI	13	1.83	9TH TSP	+0.09	
26	52	04/97	Bobbin	NQI		0.28	5TH TSP	+5.41	
26	56	04/97	Bobbin	ADI		3.00	10TH TSP	+18.96	
		04/97	Bobbin	ODI	19	0.98	3RD TSP	+20.93	
		04/97	Bobbin	ODI	20	0.83	3RD TSP	+18.81	
		04/97	H/L Special Interest	VOL		0.79	3RD TSP	+20.96	
		04/97	H/L Special Interest	VOL		1.34	3RD TSP	+18.82	
		04/97	C/L Special Interest	VOL		1.39	10TH TSP	+18.96	
26	67	04/97	Bobbin	ADI		0.89	10TH TSP	+13.55	
26	70	04/97	Bobbin	ODI	14	0.97	13TH TSP	+36.51	
26	72	04/97	Bobbin	ODI	5	1.81	10TH TSP	+27.63	
26	75	04/97	Bobbin	ODI	15	0.51	2ND TSP	+12.04	
26	76	04/97	Bobbin	ADI		0.81	12TH TSP	+35.84	
		04/97	Bobbin	ODI	5	0.60	10TH TSP	+35.38	
26	77	04/97	Bobbin	ADI		1.87	8TH TSP	+14.80	
		04/97	U-Bend	VOL		1.79	8TH TSP	+13.73	

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	WTW	VOLTS	LOCATION
26	80	04/97	Bobbin	ADI		1.74	TTS-CL +1.87
		04/97	C/L Special Interest	VOL		0.27	TTS-CL +1.54
26	82	04/97	Bobbin	ODI	20	0.29	15TH TSP +2.35
26	83	04/97	Bobbin	ODI	15	0.32	6TH TSP +38.41
26	85	04/97	Bobbin	ADI		1.03	15TH TSP +8.58
		04/97	C/L Special Interest	VOL		0.57	15TH TSP +8.65
26	95	04/97	Bobbin	NQI		0.95	11TH TSP +26.09
		04/97	C/L Special Interest	VOL		0.89	11TH TSP +25.92
26	105	04/97	Bobbin	NQI		0.27	5TH TSP +39.27
27	11	04/97	Bobbin	NQI		0.61	13TH TSP +13.25
		04/97	C/L Special Interest	VOL		1.51	13TH TSP +12.30
27	12	04/97	Bobbin	NQI		0.40	12TH TSP +33.90
		04/97	C/L Special Interest	VOL		0.68	11TH TSP -8.68
27	15	04/97	Bobbin	NQI		0.38	10TH TSP +42.04
		04/97	Bobbin	NQI		0.83	10TH TSP +38.69
		04/97	Bobbin	ODI	18	0.23	10TH TSP +40.71
27	19	04/97	Bobbin	ODI	24	0.34	11TH TSP +25.94
		04/97	Bobbin	ODI	25	0.27	11TH TSP +25.94
27	25	04/97	Bobbin	ODI	15	0.62	10TH TSP +41.28
27	27	04/97	Bobbin	NQI		0.67	10TH TSP +10.64
		04/97	C/L Special Interest	VOL		1.25	10TH TSP +10.64
27	30	04/97	Bobbin	ODI	34	0.34	11TH TSP +33.91
27	31	04/97	Bobbin	ODI	13	0.35	7TH TSP +42.98
27	36	04/97	Bobbin	NQI		0.34	16TH TSP +8.21
27	39	04/97	Bobbin	ODI	36	0.58	10TH TSP +43.79
27	43	04/97	Bobbin	ODI	13	0.64	14TH TSP +11.03
27	56	04/97	Bobbin	NQI		0.75	9TH TSP +1.33
		04/97	Bobbin	NQI		0.84	9TH TSP +1.33
27	65	04/97	Bobbin	ODI	1	0.87	11TH TSP +15.24
27	67	04/97	Bobbin	ODI	16	0.86	13TH TSP +14.08
		04/97	C/L Special Interest	VOL		0.53	13TH TSP +14.99
27	73	04/97	Bobbin	NQI		0.19	18TH TSP +13.09
		04/97	Bobbin	ODI	11	1.16	4TH TSP +4.99
		04/97	H/L Special Interest	VOL		0.57	4TH TSP +5.29
27	88	04/97	Bobbin	ODI	26	0.35	12TH TSP +20.37
27	94	04/97	Bobbin	ODI	11	0.93	17TH TSP +11.61
		04/97	C/L Special Interest	VOL		0.58	17TH TSP +12.44
27	97	04/97	Bobbin	ODI	4	1.30	2ND TSP +9.31
		04/97	Bobbin	ODI	9	0.58	12TH TSP +30.97
		04/97	Bobbin	ODI	17	1.05	13TH TSP +37.96
		04/97	Bobbin	ODI	21	0.86	13TH TSP +39.71
		04/97	Bobbin	ODI	20	1.49	12TH TSP +5.79 to +28.90
27	104	04/97	Bobbin	NQI		0.43	1AVB +3.91
		04/97	Bobbin	WAR	8	0.40	2AVB +0.00
		04/97	Bobbin	NQI		0.44	18TH TSP +1.94
27	105	04/97	Bobbin	NQI		0.59	7TH TSP +43.72
		04/97	Bobbin	ODI	15	0.78	8TH TSP -1.34
28	10	04/97	Bobbin	ODI	31	0.35	18TH TSP +3.80
28	12	04/97	Bobbin	NQI		0.22	7TH TSP +35.44
		04/97	Bobbin	ODI	1	0.67	15TH TSP +3.47
		04/97	Bobbin	ODI	17	0.77	10TH TSP +26.33
28	13	04/97	Bobbin	NQI		0.18	5TH TSP +37.86
		04/97	Bobbin	NQI		0.23	10TH TSP +29.04
28	16	04/97	Bobbin	NQI		0.16	10TH TSP +29.90
		04/97	Bobbin	NQI		0.93	12TH TSP +12.80
		04/97	C/L Special Interest	VOL		1.09	12TH TSP +12.25
28	18	04/97	Bobbin	NQI		0.66	11TH TSP +25.41
		04/97	C/L Special Interest	VOL		1.25	11TH TSP +24.98
28	19	04/97	Bobbin	NQI		0.48	8TH TSP -0.98
		04/97	Bobbin	NQI		0.76	9TH TSP -1.78
		04/97	Bobbin	NQI		0.96	9TH TSP +1.07
		04/97	Bobbin	NQI		0.56	10TH TSP +41.44
		04/97	Bobbin	NQI		0.60	10TH TSP +37.13
		04/97	Bobbin	NQI		0.72	10TH TSP +42.80
		04/97	Bobbin	ODI	6	0.77	7TH TSP +40.73

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	Bobbin	ODI	26	0.38	8TH TSP	-1.74
		04/97	C/L Special Interest	VOL		0.51	9TH TSP	-4.67
		04/97	C/L Special Interest	VOL		0.62	9TH TSP	-3.30
		04/97	C/L Special Interest	VOL		0.70	9TH TSP	-1.78
28	23	04/97	Bobbin	NQI		0.23	7TH TSP	+39.99
28	25	04/97	Bobbin	NQI		0.40	7TH TSP	+42.91
		04/97	Bobbin	ODI	11	0.55	10TH TSP	+37.80
28	27	04/97	Bobbin	ADI		0.97	6TH TSP	+24.46
		04/97	Bobbin	ADI		0.80	16TH TSP	+8.61
		04/97	H/L Special Interest	VOL		0.64	6TH TSP	+24.04
		04/97	C/L Special Interest	VOL		0.37	16TH TSP	+2.61
28	31	04/97	Bobbin	ODI	20	0.42	10TH TSP	+35.44
28	32	04/97	Bobbin	ODI	9	0.29	18TH TSP	+8.31
28	33	04/97	Bobbin	ADI		3.93	19TH TSP	+3.09
		04/97	Bobbin	ODI	23	0.57	12TH TSP	+5.17
		04/97	C/L Special Interest	VOL		1.17	19TH TSP	+2.88
28	36	04/97	Bobbin	NQI		0.27	10TH TSP	+43.12
28	40	04/97	Bobbin	NQI		0.16	7TH TSP	+33.97
		04/97	Bobbin	NQI		0.22	10TH TSP	+35.51
		04/97	Bobbin	ODI	23	0.90	8TH TSP	+1.29
28	45	04/97	Bobbin	NQI		0.39	12TH TSP	+23.66
28	63	04/97	Bobbin	ODI	20	0.44	7TH TSP	+26.08
		04/97	Bobbin	ODI	27	0.49	10TH TSP	+43.72
28	65	04/97	Bobbin	ODI	19	0.59	14TH TSP	+13.47
28	68	04/97	Bobbin	ODI	11	0.85	4TH TSP	+24.31
		04/97	Bobbin	ODI	17	0.44	16TH TSP	+13.78
28	71	04/97	Bobbin	NQI		0.80	2AVB	+0.58
28	72	04/97	Bobbin	NQI		0.35	1ST TSP	+5.98
		04/97	Bobbin	NQI		0.20	11TH TSP	+36.71
		04/97	Bobbin	NQI		0.29	16TH TSP	+10.55
		04/97	H/L Special Interest	VOL		0.74	1ST TSP	+6.29
		04/97	C/L Special Interest	VOL		0.39	10TH TSP	-6.72
		04/97	C/L Special Interest	VOL		0.62	16TH TSP	+11.37
28	73	04/97	Bobbin	ODI	15	0.70	3RD TSP	+3.64
28	91	04/97	Bobbin	NQI		0.65	14TH TSP	+2.91
28	94	04/97	Bobbin	ODI	30	1.43	17TH TSP	+2.02
28	101	04/97	Bobbin	NQI		0.19	10TH TSP	+14.31 to +42.91
28	102	04/97	Bobbin	NQI		0.38	7TH TSP	+41.88
28	104	04/97	Bobbin	NQI		0.37	11TH TSP	+24.84
		04/97	C/L Special Interest	VOL		1.00	11TH TSP	+26.52
28	105	04/97	Bobbin	WAR	17	0.90	2AVB	+0.00
28	106	04/97	Bobbin	ADI		0.89	12TH TSP	+10.69
		04/97	C/L Special Interest	VOL		0.61	12TH TSP	+11.52
29	11	04/97	Bobbin	NQI		0.34	7TH TSP	+33.52
29	17	04/97	Bobbin	ODI	11	1.19	10TH TSP	+23.36
		04/97	Bobbin	ODI	19	0.91	18TH TSP	+8.99
29	33	04/97	Bobbin	ODI	4	1.46	10TH TSP	+1.08
29	36	04/97	Bobbin	ODI	31	0.67	5TH TSP	+6.05
29	37	04/97	Bobbin	NQI		0.28	7TH TSP	+31.50
		04/97	Bobbin	NQI		0.30	7TH TSP	+34.90
		04/97	Bobbin	NQI		0.57	3RD TSP	+13.41
		04/97	Bobbin	NQI		2.32	10TH TSP	+23.74
		04/97	C/L Special Interest	VOL		1.93	10TH TSP	+23.74
29	39	04/97	Bobbin	ODI	31	0.51	7TH TSP	+38.53
		04/97	Bobbin	ODI	26	0.42	10TH TSP	+42.40
29	44	04/97	Bobbin	ODI	31	0.51	6TH TSP	+8.69
		04/97	H/L Special Interest	VOL		0.49	6TH TSP	+9.72
29	50	04/97	Bobbin	NQI		0.57	2ND TSP	+13.54
		04/97	Bobbin	NQI		0.66	6TH TSP	+9.77
		04/97	H/L Special Interest	VOL		1.29	6TH TSP	+9.81
		04/97	H/L Special Interest	VOL		1.61	2ND TSP	+13.50
29	56	04/97	Bobbin	ODI	10	0.37	14TH TSP	+15.26
29	59	04/97	Bobbin	NQI		1.16	18TH TSP	+12.79
29	63	04/97	Bobbin	ADI		3.38	14TH TSP	+12.36
		04/97	C/L Special Interest	VOL		0.85	14TH TSP	+13.16

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
29	66	04/97	Bobbin	ODI	1	1.66	15TH TSP	+7.19
		04/97	Bobbin	ODI	7	1.16	14TH TSP	+6.25
29	71	04/97	Bobbin	NQI		0.26	7TH TSP	+40.24
		04/97	Bobbin	NQI		0.12	10TH TSP	+41.65
		04/97	Bobbin	NQI		0.15	10TH TSP	+27.17
		04/97	C/L Special Interest	VOL		0.35	10TH TSP	+5.63
29	95	04/97	Bobbin	NQI		0.33	1ST TSP	+9.37
30	19	04/97	Bobbin	ODI	11	0.58	12TH TSP	+20.17
30	20	04/97	Bobbin	ODI	12	3.23	1ST TSP	+23.66
		04/97	H/L Special Interest	VOL		1.79	2ND TSP	-4.56
30	22	04/97	Bobbin	NQI		0.55	7TH TSP	+32.52
30	36	04/97	Bobbin	ADI		1.63	2ND TSP	+25.09
		04/97	H/L Special Interest	VOL		1.52	2ND TSP	+24.98
30	37	04/97	Bobbin	ODI	35	0.27	9TH TSP	+0.03
		04/97	C/L Special Interest	VOL		2.00	9TH TSP	+1.16
30	38	04/97	Bobbin	ODI	16	0.45	7TH TSP	+35.38
30	39	04/97	Bobbin	NQI		0.39	9TH TSP	-1.65
30	40	04/97	Bobbin	ODI	38	0.34	2ND TSP	+22.85
30	41	04/97	Bobbin	NQI		0.25	14TH TSP	+0.72
		04/97	Bobbin	ODI	23	2.48	14TH TSP	+1.55
		04/97	C/L Special Interest	VOL		0.44	14TH TSP	+0.72
		04/97	C/L Special Interest	VOL		1.20	14TH TSP	+1.55
30	46	04/97	Bobbin	ODI	2	0.73	10TH TSP	+31.66
		04/97	Bobbin	ODI	8	0.51	10TH TSP	+35.45
30	47	04/97	Bobbin	NQI		0.67	4TH TSP	+20.25
		04/97	H/L Special Interest	VOL		0.54	4TH TSP	+20.25
30	50	04/97	Bobbin	ODI	19	0.56	8TH TSP	-0.18
30	77	04/97	Bobbin	NQI		0.91	17TH TSP	+8.92
		04/97	Bobbin	ODI	8	1.14	13TH TSP	+16.51
		04/97	C/L Special Interest	VOL		0.63	17TH TSP	+9.96
30	79	04/97	Bobbin	NQI		1.63	16TH TSP	+1.11
		04/97	C/L Special Interest	VOL		1.16	16TH TSP	+1.24
30	86	04/97	Bobbin	ODI	6	0.51	16TH TSP	+11.31
30	102	04/97	U-Bend	VOL		0.29	3AVB	+0.00
		04/97	Bobbin	WAR	21	1.24	3AVB	+0.00
31	15	04/97	Bobbin	ODI	5	0.87	TTS-CL	+5.98
31	16	04/97	Bobbin	NQI		0.20	7TH TSP	+22.94
		04/97	Bobbin	NQI		0.24	10TH TSP	+28.91
		04/97	Bobbin	NQI		0.35	10TH TSP	+40.92
		04/97	Bobbin	NQI		0.43	10TH TSP	+43.68
		04/97	Bobbin	ODI	17	0.28	7TH TSP	+24.10
		04/97	Bobbin	ODI	31	0.58	10TH TSP	+43.26
31	18	04/97	Bobbin	ODI	18	0.48	7TH TSP	+35.69
31	21	04/97	Bobbin	ODI	17	0.41	7TH TSP	+29.35
31	22	04/97	Bobbin	ODI	22	0.35	14TH TSP	+5.89
31	23	04/97	Bobbin	NQI		0.20	7TH TSP	+44.14
		04/97	Bobbin	ADI		3.10	13TH TSP	+8.54
		04/97	C/L Special Interest	VOL		1.13	13TH TSP	+8.54
31	24	04/97	Bobbin	NQI		0.23	15TH TSP	+9.82
		04/97	C/L Special Interest	VOL		0.72	15TH TSP	+9.82
31	37	04/97	Bobbin	ODI	15	0.54	13TH TSP	+27.21
31	38	04/97	Bobbin	ADI		1.62	19TH TSP	+2.17
31	39	04/97	Bobbin	ODI	18	1.72	11TH TSP	+12.52
31	44	04/97	Bobbin	ADI		0.59	16TH TSP	+6.06
		04/97	C/L Special Interest	VOL		1.10	16TH TSP	+6.06
31	47	04/97	Bobbin	NQI		3.85	11TH TSP	+29.94
		04/97	Bobbin	ODI	21	0.44	14TH TSP	+12.34
		04/97	Bobbin	ODI	24	0.70	14TH TSP	+13.23
		04/97	C/L Special Interest	VOL		1.32	10TH TSP	-13.46
		04/97	C/L Special Interest	VOL		2.36	10TH TSP	-13.06
31	48	04/97	Bobbin	NQI		0.31	7TH TSP	+37.93
		04/97	H/L Special Interest	VOL		0.69	8TH TSP	-8.12
31	63	04/97	Bobbin	NQI		0.56	12TH TSP	+18.99
		04/97	Bobbin	NQI		0.96	12TH TSP	+27.48
		04/97	Bobbin	NQI		1.35	12TH TSP	+22.52

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	Bobbin	NQI		1.44	12TH TSP +24.55
		04/97	C/L Special Interest	VOL		0.55	12TH TSP +20.67
		04/97	C/L Special Interest	VOL		0.76	12TH TSP +29.45
		04/97	C/L Special Interest	VOL		1.03	12TH TSP +24.01
		04/97	C/L Special Interest	VOL		1.47	12TH TSP +26.49
31	65	04/97	Bobbin	ODI	8	0.78	18TH TSP +11.09
31	67	04/97	Bobbin	ADI		1.13	3RD TSP +17.86
		04/97	Bobbin	ODI	17	0.48	2ND TSP +32.91
		04/97	Bobbin	ODI	8	0.84	13TH TSP +38.79
		04/97	H/L Special Interest	VOL		0.42	3RD TSP +18.99
31	68	04/97	Bobbin	ODI	11	1.62	7TH TSP +24.35
31	77	04/97	Bobbin	ADI		1.24	7TH TSP +16.33
		04/97	Bobbin	ADI		1.35	11TH TSP +40.45
		04/97	H/L Special Interest	VOL		0.63	7TH TSP +16.44
		04/97	C/L Special Interest	VOL		0.46	10TH TSP -3.09
31	78	04/97	Bobbin	NQI		0.55	13TH TSP +39.32
		04/97	C/L Special Interest	VOL		0.66	12TH TSP -4.04
31	82	04/97	Bobbin	NQI		0.36	7TH TSP +26.08
31	85	04/97	Bobbin	ADI		1.85	11TH TSP +36.78
31	86	04/97	Bobbin	ADI		2.28	1AVB +6.25
		04/97	Bobbin	NQI		0.53	11TH TSP +10.70
31	88	04/97	Bobbin	ODI	5	0.22	6TH TSP +14.61
31	90	04/97	Bobbin	NQI		0.33	10TH TSP +26.53
31	92	04/97	Bobbin	ODI	8	0.89	15TH TSP +11.62
		04/97	C/L Special Interest	VOL		0.39	14TH TSP -6.54
32	12	04/97	Bobbin	ODI	14	0.60	10TH TSP +40.84
32	29	04/97	Bobbin	ODI	1	0.88	3RD TSP +24.37
		04/97	Bobbin	ODI	1	1.26	3RD TSP +23.26
		04/97	Bobbin	ODI	18	0.83	3RD TSP +15.36
		04/97	Bobbin	ODI	36	0.84	3RD TSP +26.07
		04/97	H/L Special Interest	VOL		1.09	3RD TSP +22.89
		04/97	H/L Special Interest	VOL		1.44	3RD TSP +24.18
		04/97	H/L Special Interest	VOL		1.64	3RD TSP +15.14
		04/97	H/L Special Interest	VOL		1.99	3RD TSP +25.63
32	36	04/97	Bobbin	ODI	15	0.43	9TH TSP -0.66
32	41	04/97	Bobbin	NQI		0.23	10TH TSP +40.66
		04/97	Bobbin	ODI	9	0.54	10TH TSP +41.80
		04/97	C/L Special Interest	VOL		0.84	9TH TSP -4.20
32	44	04/97	Bobbin	ODI	4	0.76	10TH TSP +8.67
		04/97	Bobbin	ODI	13	0.39	10TH TSP +17.90
32	46	04/97	Bobbin	NQI		0.37	19TH TSP +3.86
		04/97	Bobbin	ODI	10	0.31	10TH TSP +37.48
		04/97	Bobbin	ODI	23	0.45	19TH TSP +6.19
		04/97	C/L Special Interest	VOL		0.83	19TH TSP +3.86
32	47	04/97	Bobbin	ODI	14	0.52	2ND TSP +27.32
32	48	04/97	Bobbin	NQI		0.61	13TH TSP +23.23
		04/97	C/L Special Interest	VOL		0.54	13TH TSP +23.23
32	62	04/97	Bobbin	ODI	22	0.38	11TH TSP +33.65
32	65	04/97	Bobbin	ODI	7	2.19	13TH TSP +25.66
32	70	04/97	Bobbin	ODI	15	0.24	6TH TSP +25.48
32	71	04/97	Bobbin	NQI		0.22	7TH TSP +40.77
32	73	04/97	Bobbin	NQI		0.38	7TH TSP +43.14
32	76	04/97	Bobbin	ODI	17	3.11	8TH TSP +16.52
32	79	04/97	Bobbin	ODI	27	0.36	10TH TSP +31.97
32	82	04/97	Bobbin	NQI		0.24	7TH TSP +39.48
		04/97	Bobbin	ODI	12	0.40	7TH TSP +24.50
32	86	04/97	Bobbin	NQI		1.53	4AVB +13.49
		04/97	Bobbin	ODI	5	0.45	13TH TSP +25.30
		04/97	Bobbin	ODI	12	2.10	12TH TSP +29.12
32	92	04/97	Bobbin	ODI	1	0.85	13TH TSP +20.96
32	93	04/97	Bobbin	NQI		0.66	3RD TSP +29.58
		04/97	Bobbin	ODI	15	0.27	15TH TSP +2.83
32	101	04/97	Bobbin	ADI		2.11	9TH TSP +15.74
		04/97	U-Bend	VOL		3.74	9TH TSP +15.74
32	103	04/97	Bobbin	ODI	22	0.81	10TH TSP +42.93

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
33	13	04/97	U-Bend	VOL		0.10	3AVB +0.00
		04/97	U-Bend	VOL		0.17	2AVB +0.00
		04/97	Bobbin	WAR	14	0.73	3AVB +0.00
		04/97	Bobbin	WAR	25	1.66	2AVB +0.00
33	16	04/97	Bobbin	ODI	23	0.59	7TH TSP +0.36
33	17	04/97	Bobbin	ODI	14	0.39	10TH TSP +40.16
33	26	04/97	Bobbin	NQI		0.29	12TH TSP +37.85
		04/97	C/L Special Interest	VOL		0.58	11TH TSP -5.15
33	28	04/97	Bobbin	NQI		0.52	10TH TSP +33.86
33	30	04/97	Bobbin	ODI	20	0.41	13TH TSP +28.45
33	34	04/97	Bobbin	NQI		0.78	13TH TSP +16.09
		04/97	C/L Special Interest	VOL		0.74	13TH TSP +16.09
33	35	04/97	Bobbin	ODI	24	0.50	7TH TSP +29.57
33	41	04/97	Bobbin	ADI		1.74	3RD TSP +26.55
		04/97	H/L Special Interest	VOL		0.77	3RD TSP +27.88
33	46	04/97	Bobbin	NQI		0.34	10TH TSP +15.26
		04/97	C/L Special Interest	VOL		0.46	10TH TSP +15.26
33	52	04/97	Bobbin	ODI	7	0.65	15TH TSP +13.36
33	55	04/97	Bobbin	ODI	32	0.42	7TH TSP +21.90
		04/97	H/L Special Interest	VOL		1.14	7TH TSP +21.70
33	62	04/97	Bobbin	ODI	4	1.57	9TH TSP +21.21
33	63	04/97	Bobbin	ODI	15	0.69	7TH TSP +38.36
		04/97	Bobbin	ODI	10	0.49	10TH TSP +40.71
33	64	04/97	Bobbin	ODI	19	0.97	10TH TSP +25.61
33	66	04/97	Bobbin	ODI	10	1.58	13TH TSP +36.27
33	75	04/97	Bobbin	ODI	31	0.39	14TH TSP +11.90
33	77	04/97	Bobbin	ODI	8	0.85	1ST TSP +10.86
		04/97	H/L Special Interest	VOL		2.13	1ST TSP +11.39
33	82	04/97	Bobbin	ODI	16	0.41	7TH TSP +24.08
		04/97	Bobbin	ODI	12	0.50	10TH TSP +27.36
33	88	04/97	Bobbin	ODI	20	0.47	15TH TSP +7.80
33	95	04/97	Bobbin	ODI	2	1.29	17TH TSP +8.72
33	103	04/97	Bobbin	ODI	35	0.36	7TH TSP +40.79
34	16	04/97	Bobbin	ADI		1.80	13TH TSP +7.65
		04/97	Bobbin	ADI		2.18	12TH TSP +27.09
		04/97	C/L Special Interest	VOL		0.60	12TH TSP +27.09
		04/97	C/L Special Interest	VOL		0.70	13TH TSP +7.65
34	17	04/97	Bobbin	NQI		0.34	7TH TSP +40.09
		04/97	Bobbin	ODI	29	0.40	7TH TSP +42.42
34	32	04/97	Bobbin	ODI	12	0.84	10TH TSP +31.93
34	35	04/97	Bobbin	ODI	35	0.73	10TH TSP +39.37
		04/97	C/L Special Interest	VOL		3.15	9TH TSP -6.63
34	69	04/97	Bobbin	ODI	14	0.85	8TH TSP -0.58
34	75	04/97	Bobbin	ODI	22	0.31	10TH TSP +38.52
34	79	04/97	Bobbin	ADI		2.53	2ND TSP +34.24
		04/97	Bobbin	ODI	5	0.86	18TH TSP +8.10
		04/97	H/L Special Interest	VOL		0.78	3RD TSP -1.47
		04/97	C/L Special Interest	VOL		0.93	18TH TSP +9.06
34	82	04/97	Bobbin	ODI	26	0.55	7TH TSP +29.28
34	87	04/97	Bobbin	ODI	5	0.27	6TH TSP +28.62
34	88	04/97	Bobbin	NQI		0.31	13TH TSP +20.10
		04/97	Bobbin	ODI	18	0.48	13TH TSP +34.20
		04/97	C/L Special Interest	VOL		0.85	13TH TSP +21.75
		04/97	C/L Special Interest	VOL		1.08	13TH TSP +25.31
34	89	04/97	Bobbin	ODI	2	1.56	7TH TSP +44.12
34	90	04/97	Bobbin	ODI	18	0.40	13TH TSP +4.09
34	97	04/97	Bobbin	ODI	6	0.74	10TH TSP +33.41
34	98	04/97	Bobbin	WAR	19	1.08	2AVB +0.00
34	99	04/97	Bobbin	WAR	13	0.65	2AVB +0.00
34	100	04/97	Bobbin	ODI	14	0.73	3AVB +0.00
34	101	04/97	Bobbin	ADI		0.52	7TH TSP +36.70
		04/97	Bobbin	NQI		0.27	10TH TSP +24.44
		04/97	Bobbin	NQI		0.86	10TH TSP +25.86
35	14	04/97	U-Bend	VOL		0.29	2AVB +0.00
		04/97	Bobbin	WAR	35	3.16	2AVB +0.00

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
35	17	04/97	Bobbin	ODI	27	0.54	10TH TSP	+20.98	
35	25	04/97	Bobbin	ADI		1.37	13TH TSP	+29.72	
		04/97	Bobbin	NQI		0.74	14TH TSP	+10.35	
		04/97	Bobbin	ODI	12	0.32	12TH TSP	+13.88	
		04/97	C/L Special Interest	VOL		0.66	12TH TSP	-13.28	
35	32	04/97	Bobbin	ODI	9	0.90	2ND TSP	+17.23	
35	33	04/97	Bobbin	ODI	4	0.52	13TH TSP	+34.40	
35	41	04/97	Bobbin	ADI		2.16	6TH TSP	+17.92	
		04/97	H/L Special Interest	VOL		0.69	6TH TSP	+19.38	
35	66	04/97	Bobbin	NQI		0.88	17TH TSP	-0.60	
		04/97	C/L Special Interest	VOL		1.55	17TH TSP	+0.54	
35	73	04/97	Bobbin	ODI	11	0.49	2ND TSP	+13.65	
		04/97	H/L Special Interest	VOL		0.14	2ND TSP	+14.38	
35	79	04/97	Bobbin	ODI	11	0.48	7TH TSP	+39.20	
35	94	04/97	Bobbin	NQI		1.15	3RD TSP	+16.29	
		04/97	H/L Special Interest	VOL		1.59	3RD TSP	+17.80	
36	15	04/97	Bobbin	NQI		0.32	10TH TSP	+43.30	
36	16	04/97	Bobbin	WAR	33	2.86	2AVB	+0.00	
		04/97	Bobbin	NQI		0.55	10TH TSP	+43.39	
		04/97	Bobbin	ODI	12	0.66	11TH TSP	+30.76	
36	18	04/97	Bobbin	ODI	10	1.03	10TH TSP	+42.72	
36	22	04/97	Bobbin	NQI		1.28	14TH TSP	+8.06	
		04/97	Bobbin	ODI	5	0.71	17TH TSP	+11.99	
		04/97	C/L Special Interest	VOL		1.16	14TH TSP	+8.06	
36	24	04/97	Bobbin	ADI		4.26	1AVB	+19.27	
		04/97	U-Bend	VOL		1.10	1AVB	+19.27	
36	27	04/97	Bobbin	ODI	17	0.71	5TH TSP	+19.19	
36	32	04/97	Bobbin	ODI	16	0.78	18TH TSP	+3.76	
		04/97	C/L Special Interest	VOL		0.59	18TH TSP	+3.56	
36	35	04/97	Bobbin	ADI		1.37	14TH TSP	+13.37	
		04/97	C/L Special Interest	VOL		0.65	13TH TSP	-4.63	
36	65	04/97	Bobbin	NQI		1.31	3AVB	+0.75	
36	75	04/97	Bobbin	ODI	11	0.57	13TH TSP	+7.80	
		04/97	C/L Special Interest	VOL		0.56	13TH TSP	+9.53	
36	80	04/97	Bobbin	ODI	5	1.69	8TH TSP	-0.89	
36	91	04/97	Bobbin	ODI	13	0.60	10TH TSP	+44.82	
36	93	04/97	U-Bend	VOL		0.10	2AVB	+0.00	
		04/97	Bobbin	WAR	16	0.41	2AVB	+0.00	
36	94	04/97	Bobbin	WAR	12	0.31	1AVB	+0.00	
		04/97	Bobbin	WAR	14	0.37	2AVB	+0.00	
36	95	04/97	Bobbin	ADI		2.71	11TH TSP	+9.10	
		04/97	C/L Special Interest	VOL		0.35	11TH TSP	+9.10	
36	96	04/97	Bobbin	WAR	17	0.94	2AVB	+0.00	
36	98	04/97	Bobbin	WAR	14	0.71	3AVB	+0.00	
36	99	04/97	Bobbin	ODI	6	0.58	4AVB	+8.30	
37	17	04/97	Bobbin	WAR	15	0.79	2AVB	+0.00	
		04/97	Bobbin	WAR	17	0.95	4AVB	+0.00	
37	22	04/97	Bobbin	ODI	9	1.40	12TH TSP	+2.34	
37	30	04/97	Bobbin	ODI	14	0.72	2ND TSP	+30.92	
37	37	04/97	Bobbin	ODI	33	0.69	17TH TSP	+4.43	
37	61	04/97	Bobbin	ADI		1.41	13TH TSP	+19.05	
		04/97	C/L Special Interest	VOL		0.75	13TH TSP	+20.45	
37	63	04/97	Bobbin	ODI	9	3.25	10TH TSP	+42.11	
37	82	04/97	Bobbin	ODI	8	0.74	7TH TSP	+24.55	
37	83	04/97	Bobbin	ODI	22	0.75	1ST TSP	+12.45	
38	17	04/97	U-Bend	VOL		0.07	1AVB	+0.00	
		04/97	U-Bend	VOL		0.35	2AVB	+0.00	
		04/97	Bobbin	WAR	28	3.21	4AVB	+0.00	
		04/97	Bobbin	WAR	40	7.68	2AVB	+0.00	
38	18	04/97	Bobbin	WAR	20	1.88	4AVB	+0.00	
		04/97	Bobbin	WAR	26	2.85	2AVB	+0.00	
38	25	04/97	Bobbin	ADI		1.19	4TH TSP	+37.76	
		04/97	H/L Special Interest	VOL		0.63	5TH TSP	-4.94	
38	34	04/97	Bobbin	ODI	10	0.53	2ND TSP	+16.55	
		04/97	Bobbin	ODI	22	0.58	11TH TSP	+28.02	

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	H/L Special Interest	VOL		0.65	2ND TSP	+17.54
38	39	04/97	Bobbin	ODI	10	0.22	9TH TSP	-1.29
		04/97	C/L Special Interest	VOL		0.65	9TH TSP	-1.25
38	41	04/97	Bobbin	NQI		0.24	10TH TSP	+17.70
38	49	04/97	Bobbin	ODI	7	3.01	10TH TSP	+6.63
38	56	04/97	Bobbin	ODI	14	0.59	1ST TSP	+26.24
		04/97	H/L Special Interest	VOL		1.43	2ND TSP	-2.04
38	68	04/97	Bobbin	ADI		2.55	10TH TSP	+11.40
		04/97	Bobbin	ADI		2.72	11TH TSP	+41.17
		04/97	C/L Special Interest	VOL		0.86	10TH TSP	+11.29
		04/97	C/L Special Interest	VOL		0.98	10TH TSP	+2.41
38	70	04/97	Bobbin	NQI		0.28	10TH TSP	+11.84
		04/97	Bobbin	ADI		1.56	12TH TSP	+1.78 to +9.38
		04/97	C/L Special Interest	VOL		0.41	12TH TSP	+3.78
		04/97	C/L Special Interest	VOL		0.77	12TH TSP	+2.47
38	71	04/97	Bobbin	ODI	11	1.34	6TH TSP	+31.97
38	73	04/97	Bobbin	ODI	11	2.42	6TH TSP	+32.88
38	77	04/97	Bobbin	ADI		2.35	1ST TSP	+15.88
		04/97	Bobbin	ODI	17	0.26	1ST TSP	+7.84
		04/97	Bobbin	ODI	21	0.62	1ST TSP	+8.74
		04/97	H/L Special Interest	VOL		1.21	1ST TSP	+17.33
38	80	04/97	Bobbin	NQI		0.71	3AVB	+5.56
		04/97	Bobbin	ODI	4	0.81	7TH TSP	+18.78
38	89	04/97	Bobbin	NQI		0.40	7TH TSP	+39.35
38	93	04/97	Bobbin	WAR	11	0.29	3AVB	+0.00
		04/97	Bobbin	WAR	27	0.91	2AVB	+0.00
39	18	04/97	U-Bend	VOL		0.15	4AVB	+0.00
		04/97	U-Bend	VOL		0.37	3AVB	+0.00
		04/97	Bobbin	WAR	9	0.79	2AVB	+0.00
		04/97	Bobbin	WAR	14	1.24	1AVB	+0.00
		04/97	Bobbin	WAR	23	2.29	4AVB	+0.00
		04/97	Bobbin	WAR	43	9.26	3AVB	+0.00
39	21	04/97	Bobbin	NQI		0.59	9TH TSP	+1.00
39	23	04/97	Bobbin	ODI	7	0.70	11TH TSP	+10.25
39	29	04/97	Bobbin	ADI		1.69	7TH TSP	+32.27
		04/97	H/L Special Interest	VOL		0.77	8TH TSP	-13.56
39	35	04/97	Bobbin	ODI	9	0.46	10TH TSP	+42.25
39	38	04/97	Bobbin	NQI		0.49	9TH TSP	+0.71
39	44	04/97	Bobbin	ODI	14	0.40	16TH TSP	+12.28
39	55	04/97	Bobbin	ODI	18	0.62	6TH TSP	+35.49
39	62	04/97	Bobbin	ODI	19	1.30	15TH TSP	+6.36
39	70	04/97	Bobbin	ODI	17	1.30	3RD TSP	+21.59
39	76	04/97	Bobbin	ADI		1.50	6TH TSP	+33.62
		04/97	H/L Special Interest	VOL		0.43	7TH TSP	-9.46
39	80	04/97	Bobbin	ADI		1.28	1AVB	+6.97
39	90	04/97	Bobbin	NQI		0.55	7TH TSP	+44.19
39	98	04/97	Bobbin	WAR	11	0.56	1AVB	+0.00
40	24	04/97	Bobbin	NQI		1.00	4TH TSP	+9.55
		04/97	Bobbin	ODI	18	1.33	17TH TSP	+1.60
		04/97	H/L Special Interest	VOL		1.12	4TH TSP	+17.29
		04/97	H/L Special Interest	VOL		1.44	4TH TSP	+10.20
40	25	04/97	Bobbin	ODI	1	1.35	15TH TSP	+3.39
		04/97	Bobbin	ODI	13	0.99	13TH TSP	+17.26
40	28	04/97	Bobbin	NQI		1.25	8TH TSP	+3.69
		04/97	U-Bend	VOL		4.67	8TH TSP	+3.69
		04/97	Bobbin	ODI	2	1.23	13TH TSP	+4.77
40	31	04/97	Bobbin	ODI	9	0.85	10TH TSP	+6.09
40	44	04/97	Bobbin	ODI	23	0.43	7TH TSP	+36.06
		04/97	Bobbin	ODI	21	0.34	15TH TSP	+9.75
40	48	04/97	Bobbin	ODI	3	0.59	11TH TSP	+28.42
		04/97	Bobbin	ODI	22	0.28	14TH TSP	+11.60
40	56	04/97	Bobbin	ODI	4	0.72	14TH TSP	+11.78
		04/97	Bobbin	ODI	14	1.01	11TH TSP	+28.50
40	63	04/97	Bobbin	NQI		0.34	8TH TSP	-0.61
40	64	04/97	Bobbin	ADI		5.43	3AVB	+11.64

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
		04/97	U-Bend			13.91	3AVB	+11.24
		04/97	Bobbin	ODI	9	2.12	10TH TSP	+24.86
40	84	04/97	Bobbin	ADI		1.68	1AVB	+1.59
		04/97	Bobbin	NQI		0.24	7TH TSP	+36.04
40	89	04/97	Bobbin	ODI	9	0.61	8TH TSP	+1.82
		04/97	Bobbin	ODI	28	0.35	7TH TSP	+42.43
40	94	04/97	U-Bend	VOL		0.11	3AVB	+0.00
		04/97	U-Bend	VOL		0.12	2AVB	+0.00
		04/97	Bobbin	WAR	20	1.14	2AVB	+0.00
		04/97	Bobbin	WAR	21	1.23	3AVB	+0.00
40	97	04/97	Bobbin	ODI	9	0.44	3RD TSP	+22.53
		04/97	Bobbin	ODI	1	1.21	10TH TSP	+1.33
		04/97	Bobbin	ODI	4	0.27	12TH TSP	+19.20
		04/97	Bobbin	ODI	12	0.40	13TH TSP	+10.22
		04/97	Bobbin	ODI	17	0.18	13TH TSP	+11.55
		04/97	Bobbin	ODI	30	0.17	13TH TSP	+11.21
41	22	04/97	Bobbin	ODI	8	0.93	9TH TSP	+2.09
41	28	04/97	Bobbin	ODI	5	0.63	16TH TSP	+2.42
41	30	04/97	Bobbin	ODI	29	0.75	9TH TSP	+1.80
41	60	04/97	Bobbin	ODI	18	2.01	6TH TSP	+18.80
		04/97	H/L Special Interest	VOL		1.33	6TH TSP	+20.23
41	63	04/97	Bobbin	ODI	10	2.32	1AVB	+10.64
		04/97	Bobbin	ADI		2.21	17TH TSP	+8.32
		04/97	C/L Special Interest	VOL		1.35	17TH TSP	+8.47
41	68	04/97	Bobbin	ADI		1.61	6TH TSP	+37.48
		04/97	H/L Special Interest	VOL		1.18	6TH TSP	+37.48
41	69	04/97	Bobbin	NQI		0.84	1ST TSP	+25.57
		04/97	Bobbin	NQI		1.05	2ND TSP	+17.05
		04/97	Bobbin	NQI		1.09	5TH TSP	+30.99
		04/97	Bobbin	ADI		4.56	15TH TSP	+16.16
		04/97	H/L Special Interest	VOL		0.33	6TH TSP	-12.75
		04/97	H/L Special Interest	VOL		0.86	2ND TSP	+17.92
		04/97	H/L Special Interest	VOL		0.99	2ND TSP	-2.69
		04/97	H/L Special Interest	VOL		1.22	2ND TSP	-2.97
		04/97	H/L Special Interest	VOL		1.25	2ND TSP	+17.25
		04/97	C/L Special Interest	VOL		1.32	14TH TSP	-0.87
41	70	04/97	Bobbin	ODI	31	0.25	7TH TSP	+38.65
41	77	04/97	Bobbin	WAR	15	0.77	3AVB	+0.00
		04/97	Bobbin	WAR	17	0.94	2AVB	+0.00
41	84	04/97	Bobbin	ODI	11	0.88	8TH TSP	+2.24
41	87	04/97	Bobbin	NQI		0.60	1ST TSP	+18.26
41	88	04/97	Bobbin	NQI		0.42	6TH TSP	+6.92
		04/97	H/L Special Interest	VOL		1.28	6TH TSP	+7.52
41	90	04/97	Bobbin	NQI		0.47	10TH TSP	+34.89
		04/97	Bobbin	ODI	13	0.61	7TH TSP	+37.78
		04/97	Bobbin	ODI	1	1.22	14TH TSP	+11.25
41	93	04/97	Bobbin	ODI	34	1.02	7TH TSP	+39.92
41	95	04/97	Bobbin	ODI	25	0.56	7TH TSP	+4.56
42	23	04/97	U-Bend	VOL		0.30	2AVB	+0.00
		04/97	Bobbin	WAR	19	1.05	2AVB	+0.00
42	26	04/97	Bobbin	NQI		0.36	11TH TSP	+28.82
		04/97	C/L Special Interest	VOL		0.43	11TH TSP	+28.82
42	55	04/97	Bobbin	NQI		0.74	14TH TSP	+13.37
42	61	04/97	Bobbin	ADI		0.17	11TH TSP	+17.80
		04/97	Bobbin	ODI	5	0.41	11TH TSP	+20.48
		04/97	Bobbin	ODI	15	0.45	11TH TSP	+28.08
		04/97	Bobbin	ODI	19	0.47	11TH TSP	+18.76
42	64	04/97	Bobbin	ODI	14	0.84	7TH TSP	+28.49
		04/97	Bobbin	WAR	15	1.43	13TH TSP	+0.00
		04/97	C/L Special Interest	VOL		1.88	13TH TSP	+0.00
42	67	04/97	Bobbin	ODI	5	1.03	4TH TSP	+35.31
42	69	04/97	Bobbin	NQI		0.25	10TH TSP	+6.05
		04/97	Bobbin	ODI	20	0.79	7TH TSP	+39.33
42	71	04/97	Bobbin	ODI	5	0.74	7TH TSP	+20.26
42	77	04/97	Bobbin	ODI	3	0.52	15TH TSP	+14.02

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

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
42	82	04/97	Bobbin	ODI	1	1.42	7TH TSP	+42.23	
42	83	04/97	Bobbin	ODI	11	0.56	5TH TSP	+40.07	
		04/97	Bobbin	ODI	17	0.46	7TH TSP	-1.40	
42	93	04/97	Bobbin	NQI		0.32	7TH TSP	+42.74	
43	22	04/97	Bobbin	WAR	22	1.31	4AVB	+0.00	
		04/97	Bobbin	WAR	28	2.07	3AVB	+0.00	
43	70	04/97	Bobbin	ODI	17	0.59	7TH TSP	+16.67	
		04/97	Bobbin	ODI	31	0.26	6TH TSP	+40.71	
43	73	04/97	Bobbin	NQI		0.56	1ST TSP	+23.25	
		04/97	Bobbin	NQI		0.75	8TH TSP	+11.13	
		04/97	H/L Special Interest	VOL		1.31	2ND TSP	+5.24	
43	74	04/97	Bobbin	NQI		1.08	4TH TSP	+14.06	
		04/97	H/L Special Interest	VOL		1.62	4TH TSP	+14.19	
43	78	04/97	Bobbin	WAR	23	0.73	2AVB	+0.00	
		04/97	Bobbin	WAR	31	1.21	3AVB	+0.00	
43	81	04/97	U-Bend	VOL		2.33	4AVB	+0.00	
		04/97	U-Bend	VOL		3.94	3AVB	+0.00	
		04/97	U-Bend	VOL		4.07	2AVB	+0.00	
		04/97	Bobbin	WAR	20	0.60	4AVB	+0.00	
		04/97	Bobbin	WAR	21	0.63	2AVB	+0.00	
		04/97	Bobbin	WAR	36	1.70	3AVB	+0.00	
43	91	04/97	Bobbin	NQI		0.45	1AVB	+18.49	
		04/97	Bobbin	ODI	1	0.67	4AVB	+22.27	
		04/97	Bobbin	ODI	9	0.71	3AVB	+2.09	
44	46	04/97	Bobbin	WAR	18	0.45	3AVB	+0.00	
44	54	04/97	Bobbin	ODI	7	1.22	8TH TSP	+2.22	
44	62	04/97	Bobbin	ODI	16	1.14	4TH TSP	+38.44	
44	69	04/97	Bobbin	ODI	1	0.51	5TH TSP	+37.39	
		04/97	H/L Special Interest	VOL		0.78	6TH TSP	-6.09	
44	90	04/97	Bobbin	NQI		0.55	10TH TSP	+41.77	
45	24	04/97	Bobbin	ODI	9	1.63	15TH TSP	+25.68	
45	35	04/97	Bobbin	ODI	8	0.53	9TH TSP	-0.75	
		04/97	Bobbin	ODI	30	0.45	7TH TSP	+25.29	
45	52	04/97	Bobbin	NQI		0.26	17TH TSP	+8.60	
		04/97	Bobbin	ODI	2	0.75	6TH TSP	+38.97	
		04/97	Bobbin	ODI	4	1.92	10TH TSP	+1.48	
		04/97	Bobbin	ODI	26	0.54	11TH TSP	+16.93	
45	67	04/97	Bobbin	ODI	9	0.38	10TH TSP	+28.53	
		04/97	Bobbin	ODI	11	0.33	10TH TSP	+27.65	
45	73	04/97	Bobbin	ODI	16	1.35	13TH TSP	+27.75	
45	78	04/97	Bobbin	NQI		0.37	13TH TSP	+5.12	
45	79	04/97	Bobbin	ODI	22	0.82	9TH TSP	+12.84	
45	91	04/97	Bobbin	WAR	13	0.34	4AVB	+0.00	
46	27	04/97	Bobbin	ADI		0.95	15TH TSP	+13.25	
46	35	04/97	Bobbin	ODI	11	0.47	9TH TSP	+0.24	
46	48	04/97	Bobbin	ADI		2.64	3AVB	+12.66	
		04/97	Bobbin	NQI		1.13	2AVB	+9.79	
		04/97	Bobbin	NQI		1.75	3AVB	+1.23	
		04/97	Bobbin	NQI		1.77	1AVB	+31.31	
		04/97	U-Bend	VOL		3.18	1AVB	+22.86	
		04/97	U-Bend	VOL		4.26	1AVB	+31.32	
		04/97	U-Bend	VOL		4.89	3AVB	+1.23	
		04/97	U-Bend	VOL		5.01	2AVB	+9.77	
		04/97	U-Bend	VOL		5.02	3AVB	+12.66	
		04/97	Bobbin	ODI	23	0.61	1AVB	+22.90	
46	51	04/97	Bobbin	ODI	4	0.47	12TH TSP	+6.50	
		04/97	C/L Special Interest	VOL		0.60	12TH TSP	+6.85	
46	61	04/97	Bobbin	ODI	14	0.59	11TH TSP	+41.17	
46	63	04/97	Bobbin	ODI	15	2.87	1AVB	+27.24	
		04/97	Bobbin	ODI	23	3.33	3AVB	+25.74	
46	67	04/97	Bobbin	NQI		0.41	7TH TSP	+41.08	
46	82	04/97	Bobbin	NQI		0.32	10TH TSP	+38.38	
47	27	04/97	Bobbin	ODI	12	0.78	6TH TSP	+7.89	
47	31	04/97	Bobbin	ADI		1.22	10TH TSP	+35.66	
		04/97	C/L Special Interest	VOL		0.14	10TH TSP	+35.29	

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

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION	
47	34	04/97	Bobbin	ADI		3.15	1AVB	+17.68
		04/97	U-Bend	VOL		1.79	1AVB	+18.01
		04/97	Bobbin	ODI	15	0.88	1AVB	+9.71
47	38	04/97	Bobbin	NQI		0.60	9TH TSP	-0.69
47	46	04/97	Bobbin	ODI	15	0.45	9TH TSP	-1.47
		04/97	Bobbin	ODI	21	0.30	10TH TSP	+43.39
47	67	04/97	Bobbin	ADI		0.37	10TH TSP	+35.59
		04/97	Bobbin	ODI	33	0.53	7TH TSP	+38.47
47	68	04/97	Bobbin	ADI		3.48	4AVB	+26.37
		04/97	U-Bend	VOL		0.84	4AVB	+26.30
		04/97	Bobbin	ODI	17	0.82	7TH TSP	+32.01
47	73	04/97	Bobbin	ODI	4	1.21	6TH TSP	+31.10
47	76	04/97	Bobbin	ODI	8	0.36	10TH TSP	+28.66
47	81	04/97	Bobbin	ODI	27	1.70	2AVB	+5.60
47	84	04/97	Bobbin	ODI	15	0.34	10TH TSP	+22.74
48	39	04/97	Bobbin	ADI		4.25	1AVB	+13.22
		04/97	U-Bend	VOL		3.54	1AVB	+13.81
48	41	04/97	Bobbin	ADI		0.98	7TH TSP	+25.21
		04/97	Bobbin	ODI	21	0.28	7TH TSP	+24.88
		04/97	Bobbin	ODI	21	0.60	7TH TSP	+24.18
48	42	04/97	Bobbin	NQI		0.20	10TH TSP	+13.47
		04/97	C/L Special Interest	VOL		1.38	10TH TSP	+13.47
48	44	04/97	Bobbin	ADI		2.10	9TH TSP	+28.43
		04/97	U-Bend	VOL		1.45	9TH TSP	+28.65
		04/97	Bobbin	ADI		0.85	15TH TSP	+26.36
		04/97	Bobbin	NQI		0.53	11TH TSP	+1.91
		04/97	Bobbin	NQI		0.64	11TH TSP	+24.15
		04/97	C/L Special Interest	VOL		0.72	13TH TSP	-9.64
		04/97	C/L Special Interest	VOL		0.85	11TH TSP	+24.15
		04/97	C/L Special Interest	VOL		1.37	11TH TSP	+1.91
48	47	04/97	Bobbin	ODI	8	0.28	10TH TSP	+16.97
48	51	04/97	Bobbin	ODI	18	0.35	11TH TSP	+12.46
48	55	04/97	Bobbin	WAR	13	1.12	13TH TSP	+0.00
48	60	04/97	Bobbin	WAR	11	0.96	13TH TSP	+0.00
		04/97	C/L Special Interest	VOL		1.53	13TH TSP	+0.00
48	62	04/97	Bobbin	NQI		0.39	10TH TSP	+31.46
		04/97	Bobbin	ODI	17	0.23	10TH TSP	+11.85
48	68	04/97	Bobbin	ODI	30	2.25	1AVB	+28.21
48	70	04/97	Bobbin	NQI		0.33	17TH TSP	+26.49
		04/97	Bobbin	ODI	27	0.81	7TH TSP	+29.67
		04/97	Bobbin	ODI	29	0.88	7TH TSP	+40.83
		04/97	C/L Special Interest	VOL		0.33	17TH TSP	+26.63
48	72	04/97	Bobbin	ODI	10	0.28	6TH TSP	+34.97
		04/97	H/L Special Interest	VOL		0.84	7TH TSP	-12.55
48	77	04/97	Bobbin	ADI		1.10	1ST TSP	+15.39
		04/97	H/L Special Interest	VOL		1.19	2ND TSP	-12.90
48	78	04/97	Bobbin	ADI		2.92	4AVB	+0.60
48	81	04/97	Bobbin	ODI	6	0.56	3RD TSP	+4.55
48	82	04/97	Bobbin	NQI		0.52	9TH TSP	+2.41
		04/97	Bobbin	ODI	9	0.32	10TH TSP	+24.24
49	33	04/97	Bobbin	ODI	15	1.27	13TH TSP	+5.84
49	48	04/97	Bobbin	NQI		1.37	8TH TSP	+3.41
49	51	04/97	Bobbin	ODI	10	1.73	11TH TSP	+19.19
		04/97	Bobbin	ODI	12	0.38	11TH TSP	+17.78
		04/97	Bobbin	ODI	14	0.49	15TH TSP	+19.94
49	52	04/97	Bobbin	WAR	12	1.30	13TH TSP	+0.00
		04/97	C/L Special Interest	VOL		0.78	13TH TSP	+0.00
		04/97	C/L Special Interest	VOL		2.39	13TH TSP	+0.00
49	53	04/97	Bobbin	WAR	18	2.03	13TH TSP	+0.00
		04/97	C/L Special Interest	VOL		2.75	13TH TSP	+0.00
49	59	04/97	Bobbin	ADI		0.61	7TH TSP	+25.95
		04/97	H/L Special Interest	VOL		0.52	7TH TSP	+4.52
		04/97	H/L Special Interest	VOL		0.87	7TH TSP	+25.35
49	70	04/97	Bobbin	ODI	33	0.89	8TH TSP	+3.39
49	74	04/97	Bobbin	ODI	9	0.58	10TH TSP	+27.70

*****	FTI TUBAN II (Version 2.3)	04/17/1997 16:31:35	*****
*****	Catawba Nuclear Station - Unit Two		*****
*****	S/G D		*****
*****	04/97 RFO		*****
*****	Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend		*****

ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST TYPE	IND	%TW	VOLTS	LOCATION
		04/97	Bobbin	ODI	32	0.25	10TH TSP +26.55
49	75	04/97	Bobbin	ODI	13	0.42	10TH TSP +36.15

Total Indications Found = 1497

Total Tubes Found = 763

*: ***

FTI TUBAN II (Version 2.3) 04/17/1997 08:42:18
Catawba Nuclear Station - Unit Two
S/G A
04/97 RFO

Page 1

STEAM GENERATOR TUBE REPAIR LIST - ATTACHMENT #5
TUBES REMOVED FROM SERVICE BY PLUGGING
COUNT ROW COL

1. 15 50

Total Data Items Found = 1
Total Tubes Found = 1

* ***

FTI TUBAN II (Version 2.3) 04/17/1997 08:40:20
Catawba Nuclear Station - Unit Two
S/G B
04/97 RFO

Page 1

STEAM GENERATOR TUBE REPAIR LIST - ATTACHMENT #6
TUBES REMOVED FROM SERVICE BY PLUGGING
COUNT ROW COL

1.	29	105
2.	39	85
3.	39	97
4.	40	19
5.	43	22

Total Data Items Found = 5
Total Tubes Found = 5

***** FTI TUBAN II (Version 2.3) 04/17/1997 08:44:23
***** Catawba Nuclear Station - Unit Two
***** S/G C
***** 04/97 RFO
* ***

Page 1

STEAM GENERATOR TUBE REPAIR LIST - ATTACHMENT #7
THERE WERE NO TUBES REMOVED FROM SERVICE
COUNT ROW COL

Total Data Items Found = 0
Total Tubes Found = 0

STEAM GENERATOR TUBE REPAIR LIST - ATTACHMENT #8
TUBES REMOVED FROM SERVICE BY PLUGGING
COUNT ROW COL

1.	6	81
2.	35	93
3.	38	17
4.	39	18

Total Data Items Found = 4
Total Tubes Found = 4

Steam Generator Outage Summary Report

Catawba Unit 2 1995 Outage EOC 7

Location: 4800 Concord Road, York South Carolina 29745

NRC Docket No. 50-414

National Board No. 173

Commercial Service Date: August 19, 1986

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

Revision 0

Prepared By:	<u>CP Lanthier</u>	Date:	<u>8-24-00</u>
Reviewed By:	<u>DB Magee</u>	Date:	<u>8-24-00</u>
Approved By:	<u>W. J. Fangle</u>	Date:	<u>8-24-00</u>
Copy No.	<u>1</u>	Assigned To:	<u>NRC</u>
Controlled:	<u>✓</u>	Uncontrolled:	<u> </u>

Controlled Distribution

Copy No.

Assigned To

Original

Catawba Nuclear Station
Document Control
Master File
CN-208.21

1

NRC Document Control

Uncontrolled Distribution

2

Hartford Steam Boiler
Inspection and Insurance
Co. (AIA)

Electronic

Steam Generator
Desktop

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

As required by the Provisions of the ASME Code Rules

1. Owner: Duke Energy Corporation, 526 S. Church St., Charlotte, NC 28201-1006
(Name and Address of Owner)
2. Plant: Catawba Nuclear Station, 4800 Concord Road, York, S. C. 29745
(Name and Address of Plant)
3. Plant Unit: 2
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: August 19, 1986
6. National Board Number for Unit 173
7. Components Inspected:

<u>Component</u>	<u>Manufacturer</u>	<u>Manufacturer Serial No.</u>	<u>State or Province No.</u>	<u>National Board No.</u>
Steam Generator 2A	Westinghouse	1923	N/A	4
Steam Generator 2B	Westinghouse	1922	N/A	3
Steam Generator 2C	Westinghouse	1921	N/A	2
Steam Generator 2D	Westinghouse	1924	N/A	5

Note: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8¹/₂ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 (Back)

8. Examination Dates 6/30/94 to 11/30/95
9. Inspection Period Identification: Third
10. Inspection Interval Identification: First
11. Applicable Edition of Section XI 1980 Addenda W-81
12. Date/Revision of Inspection Plan: Per CNS Technical Specification
13. Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.
14. Abstract of Results of Examination and Tests.
15. Abstract of Corrective Measures.

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

Certificate of Authorization No. (if applicable) NA Expiration Date NA

Date 8-24 20 00 Signed Duke Energy Corp. By W. J. Lang
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of NC employed by *The HSBI&I Co. of 6-30-94 have inspected the components described in this Owners' Report during the period 11-30-95, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in the Owners' Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

Robert M. Gill Commissions NC978
Inspector's Signature National Board, State, Province, and Endorsements

Date 8-29-00 19 00

October 30, 1995

Z.L. Taylor
Regulatory Compliance - CN01RC

Subject: Catawba Nuclear Station
Unit 2 EOC-7 Refueling Outage
October 1995
Steam Generators
NRC Inspection Report - 12 Month

Dear Sir,

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

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

<u>Steam Generator</u>	<u>Tubes Inspected</u> <u>Full Length</u>
A	2569
B	2476
C	2419
D	2596

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

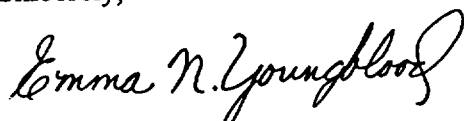
<u>Steam Generator</u>	<u>Attachment</u>
A	1
B	2
C	3
D	4

3. The following quantities of tubes were removed from service by plugging.
The tubes are identified in the attached Steam Generator Tube Repair List.

<u>Steam Generator</u>	<u>Number of Tubes</u>	<u>Attachment</u>
A	10	5
B	2	6
C	5	7
D	6	8

If further information is required, please call me at 875-5563.

Sincerely,

A handwritten signature in cursive script that reads "Emma N. Youngblood".

Emma N. Youngblood
Eddy Current
Data Management Administrator

ENY:eny

cc: w/o attachments: W.F. Brady
R.W. Eaker
W.M. Sample

cc: w/attachments: C.B. Cauthen
L.A. Reed

BWNT TUBAN II (Version 2.1)

10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

Page 1

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

1	1	10/95	Bobbin	NQI		3.97	7TH TSP	+13.51	
		10/95	H/L Speci	VOL		0.81	7TH TSP	+12.74	
		10/95	H/L Speci	VOL		3.08	7TH TSP	+14.10	
1	3	10/95	Bobbin	ODI	2	1.29	2ND TSP	+17.93	
		10/95	H/L Speci	VOL		0.92	2ND TSP	+19.26	
1	5	10/95	Bobbin	ODI	74	0.66	4TH TSP	+0.85	
		10/95	Bobbin	ODI	5	0.91	12TH TSP	+35.43	
		10/95	H/L Speci	VOL		0.66	4TH TSP	+0.90	
1	6	10/95	Bobbin	ODI	34	8.37	4TH TSP	+0.78	
		10/95	H/L Speci	VOL		2.33	4TH TSP	+0.82	
1	7	10/95	Bobbin	ODI	18	1.11	4TH TSP	+0.63	
		10/95	H/L Speci	VOL		0.53	4TH TSP	+0.62	
1	8	10/95	Bobbin	ODI	25	0.21	18TH TSP	+15.42	
1	9	10/95	Bobbin	NQI		0.36	13TH TSP	+16.53	
1	17	10/95	Bobbin	ODI	17	0.70	11TH TSP	+7.01	
1	19	10/95	Bobbin	ODI	19	0.38	TTS-HL	+4.02	
1	23	10/95	Bobbin	NQI		0.29	11TH TSP	+6.17	
1	25	10/95	Bobbin	ODI	3	0.41	18TH TSP	+12.76	
		10/95	Bobbin	ODI	3	0.59	19TH TSP	+1.77	
		10/95	Bobbin	ODI	11	0.39	19TH TSP	+4.58	
		10/95	Bobbin	ODI	21	0.25	19TH TSP	+5.18	
1	29	10/95	Bobbin	ODI	26	1.08	4TH TSP	+18.25	
1	33	10/95	Bobbin	ADI		1.80	10TH TSP	+26.22	
		10/95	Bobbin	ADI		2.04	11TH TSP	+14.96	
		10/95	C/L Speci	VOL		0.82	11TH TSP	+14.44	
1	39	10/95	Bobbin	ODI	14	0.54	11TH TSP	+37.58	
1	43	10/95	Bobbin	ODI	7	0.82	18TH TSP	+7.00	
1	45	10/95	Bobbin	ODI	4	1.05	16TH TSP	+14.51	
1	48	10/95	Bobbin	ODI	11	1.76	16TH TSP	+13.77	
1	49	10/95	Bobbin	ODI	28	0.61	11TH TSP	+33.07	
1	82	10/95	Bobbin	ODI	4	0.50	TTS-CL	+0.71	
1	88	10/95	Bobbin	NQI		0.54	16TH TSP	+21.52	to +22.67
		10/95	C/L Speci	VOL		0.84	16TH TSP	+21.52	to +22.67
1	92	10/95	Bobbin	NQI		1.06	16TH TSP	+28.85	
		10/95	C/L Speci	VOL		1.45	14TH TSP	-7.18	
		10/95	C/L Speci	VOL		1.91	16TH TSP	+29.31	
1	93	10/95	Bobbin	NQI		2.36	4TH TSP	+4.20	to +10.37
		10/95	H/L Speci	VOL		0.88	4TH TSP	+4.19	to +10.37
1	105	10/95	Bobbin	ODI	8	1.30	11TH TSP	+36.05	
1	108	10/95	Bobbin	ODI	15	1.84	3RD TSP	+17.37	
2	2	10/95	Bobbin	ADI		0.18	12TH TSP	+3.33	to +8.95
		10/95	C/L Speci	VOL		0.47	12TH TSP	+2.72	to +8.90
2	3	10/95	Bobbin	NQI		0.44	12TH TSP	+5.94	
2	8	10/95	Bobbin	ODI	13	1.28	16TH TSP	+9.12	
2	14	10/95	Bobbin	ADI		4.40	11TH TSP	+7.26	
		10/95	C/L Speci	VOL		1.19	11TH TSP	+7.80	
2	16	10/95	Bobbin	NQI		0.42	16TH TSP	+10.11	
		10/95	C/L Speci	VOL		0.40	16TH TSP	+10.04	
2	18	10/95	Bobbin	ODI	4	2.19	15TH TSP	+14.17	
2	25	10/95	Bobbin	ODI	17	1.51	TTS-CL	+4.25	
2	28	10/95	Bobbin	ADI		2.07	13TH TSP	+40.31	
		10/95	C/L Speci	VOL		0.72	12TH TSP	-3.51	
2	36	10/95	Bobbin	NQI		0.73	4TH TSP	+6.44	
2	37	10/95	Bobbin	NQI		0.96	12TH TSP	+3.38	
		10/95	C/L Speci	VOL		0.65	12TH TSP	+3.99	
2	46	10/95	Bobbin	ADI		1.75	10TH TSP	+32.47	
		10/95	C/L Speci	VOL		0.27	10TH TSP	+28.20	
2	66	10/95	Bobbin	NQI		1.17	18TH TSP	+27.53	
		10/95	C/L Speci	VOL		1.02	18TH TSP	+26.45	
2	73	10/95	Bobbin	ADI		4.68	1ST TSP	+15.17	
		10/95	H/L Speci	VOL		1.03	1ST TSP	+15.13	
2	74	10/95	Bobbin	NQI		1.01	3RD TSP	+8.10	to +18.56
		10/95	Bobbin	NQI		1.07	2ND TSP	+15.40	to +20.32
		10/95	H/L Speci	VOL		0.42	3RD TSP	+8.10	to +18.56
		10/95	H/L Speci	VOL		0.63	2ND TSP	+15.40	to +20.32

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

Page 2

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

2	80	10/95	Bobbin	ADI		0.15	14TH TSP	+5.17		
		10/95	C/L Speci	VOL		0.31	14TH TSP	+4.93		
2	84	10/95	Bobbin	NQI		0.82	2ND TSP	+15.08	to	+20.06
		10/95	H/L Speci	VOL		0.45	2ND TSP	+15.09	to	+20.06
2	89	10/95	Bobbin	NQI		0.57	13TH TSP	+17.00		
		10/95	C/L Speci	VOL		0.37	13TH TSP	+17.86		
2	99	10/95	Bobbin	ADI		1.84	4TH TSP	+5.77		
2	101	10/95	Bobbin	ADI		0.72	10TH TSP	+11.89		
		10/95	Bobbin	ODI	13	1.58	10TH TSP	+7.88		
		10/95	Bobbin	NQI		1.03	7TH TSP	+7.43	to	+12.48
		10/95	Bobbin	NQI		1.76	5TH TSP	+1.59	to	+7.17
		10/95	H/L Speci	VOL		0.67	5TH TSP	+1.59	to	+7.17
2	114	10/95	Bobbin	ODI	7	0.67	7TH TSP	+12.19		
3	5	10/95	Bobbin	ODI	11	1.20	17TH TSP	+6.85		
3	9	10/95	Bobbin	ADI		0.57	18TH TSP	+6.04		
		10/95	Bobbin	NQI		0.17	13TH TSP	+3.20		
		10/95	Bobbin	NQI		0.20	12TH TSP	+5.18		
		10/95	Bobbin	NQI		0.20	13TH TSP	+4.31		
		10/95	Bobbin	NQI		0.23	17TH TSP	+13.86		
		10/95	Bobbin	NQI		0.29	12TH TSP	+10.42		
		10/95	Bobbin	NQI		0.36	16TH TSP	+9.56		
		10/95	Bobbin	NQI		0.39	16TH TSP	-1.04		
		10/95	Bobbin	NQI		0.46	15TH TSP	+4.15		
		10/95	Bobbin	NQI		0.59	16TH TSP	+15.49		
		10/95	Bobbin	NQI		0.63	13TH TSP	+18.55		
		10/95	Bobbin	NQI		0.64	13TH TSP	+31.56		
		10/95	Bobbin	NQI		0.89	16TH TSP	+11.78		
		10/95	Bobbin	NQI		0.93	15TH TSP	+4.66		
		10/95	Bobbin	NQI		1.21	15TH TSP	+9.00		
		10/95	Bobbin	ODI	19	0.27	15TH TSP	+1.46		
		10/95	Bobbin	ODI	53	0.56	12TH TSP	+8.32		
		10/95	Bobbin	ADI		0.99	TTS-CL	+0.70	to	+2.70
		10/95	Bobbin	ADI		2.43	19TH TSP	+1.31	to	+2.59
		10/95	C/L Speci	VOL		0.71	TTS-CL	+1.29		
		10/95	C/L Speci	VOL		0.36	16TH TSP	-1.35		
		10/95	C/L Speci	VOL		0.48	15TH TSP	+4.62		
		10/95	C/L Speci	VOL		0.49	15TH TSP	+4.18		
		10/95	C/L Speci	VOL		0.53	16TH TSP	+15.03		
		10/95	C/L Speci	VOL		0.61	16TH TSP	+11.27		
		10/95	C/L Speci	VOL		0.85	19TH TSP	+1.51		
		10/95	C/L Speci	VOL		0.98	12TH TSP	+8.60		
3	10	10/95	Bobbin	NQI		0.70	10TH TSP	+6.49		
		10/95	Bobbin	NQI		0.75	4TH TSP	+20.16	to	+30.11
		10/95	C/L Speci	VOL		0.88	10TH TSP	+7.36		
		10/95	H/L Speci	VOL		0.43	5TH TSP	-23.00	to	-13.00
3	12	10/95	Bobbin	NQI		0.57	6TH TSP	+41.90		
		10/95	Bobbin	NQI		0.43	10TH TSP	+37.20		
		10/95	Bobbin	NQI		0.47	10TH TSP	+38.68		
		10/95	Bobbin	ODI	34	0.57	7TH TSP	+0.12		
3	14	10/95	Bobbin	NQI		0.60	17TH TSP	+14.21		
		10/95	Bobbin	NQI		0.86	17TH TSP	+14.90		
		10/95	Bobbin	NQI		0.87	17TH TSP	+15.58		
		10/95	Bobbin	NQI		1.05	16TH TSP	+1.38		
		10/95	C/L Speci	VOL		0.47	17TH TSP	+14.10		
		10/95	C/L Speci	VOL		0.59	17TH TSP	+15.37		
		10/95	C/L Speci	VOL		0.72	16TH TSP	+1.46		
3	63	10/95	Bobbin	ADI		3.44	1ST TSP	+17.62		
		10/95	H/L Speci	VOL		1.24	1ST TSP	+17.79		
3	66	10/95	Bobbin	NQI		5.13	TTS-HL	+0.03		
3	67	10/95	Bobbin	NQI		0.27	13TH TSP	+31.46		
3	83	10/95	Bobbin	ODI	11	2.55	10TH TSP	+38.15		
3	103	10/95	Bobbin	NQI		0.46	12TH TSP	-0.80		
		10/95	Bobbin	ODI	4	0.78	10TH TSP	+19.26		
		10/95	C/L Speci	VOL		1.06	12TH TSP	-0.69		
4	12	10/95	Bobbin	NQI		0.56	5TH TSP	+4.71		

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

4	32	10/95	Bobbin	NQI		0.29	16TH TSP	+9.62		
		10/95	C/L Speci	VOL		0.78	16TH TSP	+9.34		
4	41	10/95	Bobbin	NQI		0.23	14TH TSP	+11.93		
		10/95	C/L Speci	VOL		0.29	14TH TSP	+11.85		
4	53	10/95	Bobbin	ODI	16	0.50	1ST TSP	+15.21		
4	55	10/95	Bobbin	ODI	6	1.34	2ND TSP	+26.32		
4	78	10/95	Bobbin	ADI		0.86	2ND TSP	+11.24		
		10/95	H/L Speci	VOL		0.74	2ND TSP	+11.25		
4	82	10/95	Bobbin	ODI	25	0.76	13TH TSP	+6.78		
4	85	10/95	Bobbin	ODI	11	2.92	7TH TSP	+15.60		
4	106	10/95	Bobbin	ADI		2.76	13TH TSP	+31.33		
		10/95	Bobbin	ADI		3.81	12TH TSP	+7.15		
		10/95	C/L Speci	VOL		0.66	12TH TSP	+7.01		
		10/95	C/L Speci	VOL		0.84	12TH TSP	-11.40		
5	5	10/95	Bobbin	NQI		22.35	9TH TSP	+1.94		
5	6	10/95	Bobbin	ADI		1.78	18TH TSP	+2.70		
		10/95	C/L Speci	VOL		0.48	18TH TSP	+2.12		
5	29	10/95	Bobbin	ADI		2.44	11TH TSP	+17.18		
		10/95	C/L Speci	VOL		1.00	11TH TSP	+16.17		
5	34	10/95	Bobbin	ODI	12	0.79	TTS-CL	+4.59		
		10/95	Bobbin	ODI	11	1.13	13TH TSP	+7.49		
5	37	10/95	Bobbin	ODI	17	3.13	12TH TSP	+12.93		
		10/95	C/L Speci	VOL		1.38	12TH TSP	+12.72		
5	58	10/95	Bobbin	ODI	18	0.44	1ST TSP	+8.01		
5	60	10/95	Bobbin	NQI		0.40	17TH TSP	+8.47		
		10/95	Bobbin	NQI		0.44	19TH TSP	+1.70		
		10/95	Bobbin	NQI		0.67	3RD TSP	+1.26	to	+6.00
		10/95	H/L Speci	VOL		0.48	3RD TSP	+1.26	to	+6.01
5	62	10/95	Bobbin	ADI		3.96	13TH TSP	+35.45		
		10/95	Bobbin	ODI	4	0.73	13TH TSP	+40.30		
		10/95	C/L Speci	VOL		0.53	12TH TSP	-2.91		
		10/95	C/L Speci	VOL		1.13	12TH TSP	-8.02		
5	63	10/95	Bobbin	ADI		4.69	TTS-HL	+1.76		
		10/95	H/L Tubes	VOL		1.06	TTS-HL	+1.62		
		10/95	H/L Speci	VOL		0.73	TTS-HL	+1.75		
5	64	10/95	Bobbin	NQI		1.55	1ST TSP	+12.66	to	+21.60
		10/95	H/L Speci	VOL		0.31	1ST TSP	+12.66	to	+21.60
5	80	10/95	Bobbin	ADI		2.43	7TH TSP	+17.39		
		10/95	H/L Speci	VOL		0.31	7TH TSP	+17.28		
5	88	10/95	Bobbin	ADI		0.70	1ST TSP	+22.89		
		10/95	Bobbin	ADI		1.56	2ND TSP	+31.49		
		10/95	H/L Speci	VOL		0.42	2ND TSP	-5.26		
		10/95	H/L Speci	VOL		0.69	3RD TSP	-4.53		
5	99	10/95	Bobbin	ODI	8	1.04	10TH TSP	+27.75		
		10/95	C/L Speci	VOL		0.31	10TH TSP	+27.37		
5	108	10/95	Bobbin	ODI	27	0.80	7TH TSP	+33.51		
6	2	10/95	Bobbin	ODI	10	0.56	13TH TSP	+11.99		
		10/95	Bobbin	ODI	12	0.61	19TH TSP	+4.79		
		10/95	Bobbin	ODI	13	1.70	16TH TSP	+8.88		
		10/95	C/L Speci	VOL		0.55	19TH TSP	+5.00		
		10/95	C/L Speci	VOL		1.22	16TH TSP	+8.43		
6	3	10/95	Bobbin	ODI	21	2.15	1ST TSP	+23.32		
		10/95	Bobbin	ODI	20	1.38	18TH TSP	+1.70		
6	4	10/95	Bobbin	ODI	12	0.76	14TH TSP	+7.46		
		10/95	C/L Speci	VOL		0.53	14TH TSP	+7.14		
6	5	10/95	Bobbin	ODI	10	1.35	15TH TSP	+4.35		
6	8	10/95	Bobbin	ODI	13	0.32	7TH TSP	+34.70		
		10/95	Bobbin	ODI	8	0.60	10TH TSP	+43.65		
6	21	10/95	Bobbin	ODI	15	1.44	7TH TSP	+32.97		
6	31	10/95	Bobbin	ODI	26	1.11	12TH TSP	+33.19		
6	35	10/95	Bobbin	ODI	12	1.47	5TH TSP	+36.71		
		10/95	Bobbin	ODI	18	1.03	6TH TSP	+10.10		
		10/95	Bobbin	ODI	20	1.26	6TH TSP	+28.38		
		10/95	Bobbin	ODI	21	0.69	6TH TSP	+16.81		
		10/95	Bobbin	ODI	28	1.31	6TH TSP	+7.77		

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
6	36	10/95	Bobbin	ODI	27	0.27	15TH TSP	+13.03
6	40	10/95	Bobbin	ODI	9	2.02	10TH TSP	+17.24
6	53	10/95	Bobbin	ODI	14	0.78	2ND TSP	+34.06
		10/95	Bobbin	ODI	32	0.29	2ND TSP	+2.73
		10/95	Bobbin	ODI	20	1.36	19TH TSP	+1.65
6	62	10/95	Bobbin	ODI	2	0.69	3RD TSP	+1.99
		10/95	H/L Speci	VOL		0.83	3RD TSP	+1.99
6	75	10/95	Bobbin	ODI	20	1.31	19TH TSP	+7.75
		10/95	Bobbin	ODI	27	0.73	11TH TSP	+9.59
6	77	10/95	Bobbin	ODI	31	0.39	11TH TSP	+32.11
6	81	10/95	Bobbin	ODI	20	1.42	11TH TSP	+18.56
6	84	10/95	Bobbin	ODI	25	0.42	5TH TSP	+7.25
6	91	10/95	Bobbin	ODI	8	0.99	4TH TSP	+12.34
		10/95	Bobbin	ODI	13	0.30	10TH TSP	+22.43
		10/95	Bobbin	ODI	19	0.36	10TH TSP	+22.73
6	99	10/95	Bobbin	NQI		0.58	16TH TSP	-1.38
		10/95	Bobbin	ODI	10	0.69	10TH TSP	+12.40
		10/95	Bobbin	ODI	20	0.42	16TH TSP	+2.99
		10/95	C/L Speci	VOL		0.64	16TH TSP	-1.43
6	104	10/95	Bobbin	NQI		0.37	7TH TSP	+35.04
6	108	10/95	Bobbin	NQI		1.19	8TH TSP	+9.75
6	114	10/95	Bobbin	ADI		1.88	10TH TSP	+37.47
		10/95	C/L Speci	VOL		0.47	9TH TSP	-8.49
7	3	10/95	Bobbin	NQI		0.30	7TH TSP	+28.49
7	14	10/95	Bobbin	ODI	7	0.57	TTS-CL	+5.96
7	15	10/95	Bobbin	ODI	2	1.26	TTS-CL	+4.70
7	26	10/95	Bobbin	ODI	8	1.50	3RD TSP	+9.87
7	31	10/95	Bobbin	ODI	9	0.88	4TH TSP	+9.22
7	40	10/95	Bobbin	NQI		0.31	18TH TSP	+12.98
		10/95	Bobbin	NQI		0.33	17TH TSP	+13.17
		10/95	C/L Speci	VOL		0.48	17TH TSP	+13.89
		10/95	C/L Speci	VOL		0.53	18TH TSP	+12.24
		10/95	C/L Speci	VOL		1.32	17TH TSP	+13.10
7	43	10/95	Bobbin	ODI	17	1.83	12TH TSP	+15.42
7	61	10/95	Bobbin	ODI	8	0.57	6TH TSP	+18.69
7	62	10/95	Bobbin	NQI		0.19	10TH TSP	+29.48
7	67	10/95	Bobbin	ODI	17	0.37	18TH TSP	+10.19
7	69	10/95	Bobbin	ODI	13	0.54	TTS-HL	+4.84
		10/95	Bobbin	ODI	19	0.56	TTS-HL	+6.08
		10/95	Bobbin	ODI	8	1.33	3RD TSP	+4.20
		10/95	Bobbin	ODI	13	0.49	7TH TSP	+29.54
7	70	10/95	Bobbin	ODI	1	0.79	17TH TSP	+6.54
		10/95	C/L Speci	VOL		0.36	17TH TSP	+6.65
7	90	10/95	Bobbin	ODI	36	0.65	7TH TSP	+27.81
		10/95	Bobbin	ODI	4	0.76	10TH TSP	+28.06
7	93	10/95	Bobbin	ODI	15	1.51	1ST TSP	+5.97
7	94	10/95	Bobbin	ODI	21	0.45	1ST TSP	+18.77
7	97	10/95	Bobbin	NQI		0.38	11TH TSP	+9.24
		10/95	C/L Speci	VOL		0.14	11TH TSP	+9.64
7	104	10/95	Bobbin	ODI	16	0.95	1ST TSP	+10.11
7	106	10/95	Bobbin	ADI		1.69	6TH TSP	+8.80
7	108	10/95	Bobbin	NQI		0.35	12TH TSP	+34.69
8	3	10/95	Bobbin	ODI	16	0.83	7TH TSP	+10.86
		10/95	H/L Speci	VOL		1.01	7TH TSP	+11.04
8	15	10/95	Bobbin	ODI	20	0.69	19TH TSP	+3.71
8	16	10/95	Bobbin	ODI	7	1.02	1ST TSP	+19.25
		10/95	Bobbin	ODI	23	0.34	10TH TSP	+29.27
8	19	10/95	Bobbin	ODI	5	1.80	4TH TSP	+30.57
		10/95	H/L Speci	VOL		1.07	5TH TSP	-12.94
8	24	10/95	Bobbin	ODI	19	1.25	7TH TSP	+29.88
8	35	10/95	Bobbin	ODI	23	0.26	19TH TSP	+7.27
		10/95	Bobbin	ODI	35	0.32	19TH TSP	+8.39
8	38	10/95	Bobbin	ODI	22	0.34	2ND TSP	+14.93
		10/95	H/L Speci	VOL		0.37	2ND TSP	+15.63
		10/95	H/L Speci	VOL		0.70	2ND TSP	+1.94

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

8	42	10/95	Bobbin	ODI	9	0.56	10TH TSP	+36.19	
		10/95	C/L Speci	VOL		0.77	9TH TSP	-9.43	
8	46	10/95	Bobbin	ODI	6	1.35	5TH TSP	+37.05	
		10/95	Bobbin	ODI	25	0.99	18TH TSP	+4.16	
8	47	10/95	Bobbin	ODI	15	1.61	6TH TSP	+2.17	
8	52	10/95	Bobbin	ODI	11	0.53	3RD TSP	+4.10	
8	63	10/95	Bobbin	ODI	15	1.20	11TH TSP	+32.07	
8	79	10/95	Bobbin	NQI		0.72	15TH TSP	+16.30	
		10/95	C/L Speci	VOL		0.67	14TH TSP	-2.62	
8	83	10/95	Bobbin	ODI	24	0.55	15TH TSP	+3.72	
8	87	10/95	Bobbin	ODI	9	1.36	12TH TSP	+26.85	
8	91	10/95	Bobbin	NQI		0.73	16TH TSP	+10.50	
		10/95	C/L Speci	VOL		0.32	16TH TSP	+10.88	
8	96	10/95	Bobbin	NQI		0.21	15TH TSP	+10.94	
8	106	10/95	Bobbin	ODI	3	1.50	11TH TSP	+20.77	
		10/95	C/L Speci	VOL		0.40	11TH TSP	+20.21	
8	108	10/95	Bobbin	ODI	8	1.45	11TH TSP	+9.39	
		10/95	Bobbin	ODI	11	0.83	11TH TSP	+17.10	
		10/95	Bobbin	ODI	11	1.26	11TH TSP	+14.37	
		10/95	Bobbin	ODI	12	0.38	10TH TSP	+32.66	
		10/95	C/L Speci	VOL		0.37	11TH TSP	+16.75	
		10/95	C/L Speci	VOL		0.56	11TH TSP	+14.38	
		10/95	C/L Speci	VOL		0.63	11TH TSP	+8.98	
8	109	10/95	Bobbin	NQI		4.32	9TH TSP	+5.42	
8	111	10/95	Bobbin	ODI	17	0.55	10TH TSP	+40.75	
9	6	10/95	Bobbin	ADI		3.18	1ST TSP	+19.21	
		10/95	Bobbin	ODI	17	0.56	12TH TSP	+12.26	
		10/95	H/L Speci	VOL		1.42	1ST TSP	+19.88	
9	8	10/95	Bobbin	ADI		3.86	9TH TSP	+17.21	
9	10	10/95	Bobbin	ODI	25	0.32	10TH TSP	+31.13	
9	11	10/95	Bobbin	ODI	16	0.61	13TH TSP	+5.03	
9	15	10/95	Bobbin	ODI	2	1.56	17TH TSP	+11.45	
		10/95	C/L Speci	VOL		1.16	17TH TSP	+11.36	
9	21	10/95	Bobbin	NQI		0.64	13TH TSP	+23.12	
		10/95	C/L Speci	VOL		0.65	13TH TSP	+22.46	
9	33	10/95	Bobbin	ODI	9	1.05	5TH TSP	+31.92	
		10/95	H/L Speci	VOL		0.38	6TH TSP	-12.21	
9	46	10/95	Bobbin	ODI	32	0.33	16TH TSP	+4.08	
		10/95	C/L Speci	VOL		0.42	16TH TSP	+3.55	
9	62	10/95	Bobbin	NQI		0.18	13TH TSP	+41.51	
9	70	10/95	Bobbin	ADI		2.22	4TH TSP	+5.62	
		10/95	H/L Speci	VOL		0.57	4TH TSP	+6.49	
9	81	10/95	Bobbin	ODI	4	1.26	18TH TSP	+11.33	
9	89	10/95	Bobbin	ODI	33	0.76	13TH TSP	+19.46	
9	93	10/95	Bobbin	NQI		0.17	12TH TSP	+31.95	
		10/95	Bobbin	ODI	19	0.20	3RD TSP	+10.71	
9	95	10/95	Bobbin	ODI	20	0.48	7TH TSP	+16.51	
9	99	10/95	Bobbin	ADI		3.12	8TH TSP	+5.17	
		10/95	U-Bend	VOL		0.14	8TH TSP	+5.18	
9	102	10/95	Bobbin	ODI	5	0.67	5TH TSP	+9.31	
9	106	10/95	Bobbin	ODI	20	1.98	11TH TSP	+15.38	
9	109	10/95	Bobbin	NQI		0.13	10TH TSP	+22.76	
9	112	10/95	Bobbin	ODI	29	0.31	7TH TSP	+30.09	
		10/95	H/L Speci	VOL		0.40	8TH TSP	-12.40	
10	2	10/95	Bobbin	NQI		0.46	13TH TSP	+31.37	
10	12	10/95	Bobbin	ODI	32	0.69	7TH TSP	+6.85	
		10/95	H/L Speci	VOL		2.95	7TH TSP	+7.96	
10	14	10/95	Bobbin	NQI		3.07	3RD TSP	-8.00	to +9.00
		10/95	H/L Speci	VOL		1.66	3RD TSP	-16.46	
		10/95	H/L Speci	VOL		2.63	3RD TSP	-9.72	to +10.17
10	17	10/95	Bobbin	NQI		0.98	11TH TSP	+22.01	
		10/95	C/L Speci	VOL		1.75	11TH TSP	+22.19	
10	34	10/95	Bobbin	ADI		3.01	7TH TSP	+29.34	
10	50	10/95	Bobbin	ADI		1.66	7TH TSP	+19.79	
		10/95	Bobbin	ADI		2.70	5TH TSP	+28.31	

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ADI		0.99	13TH TSP	+22.84
		10/95	Bobbin	ADI		1.63	11TH TSP	+17.18
		10/95	Bobbin	ODI	11	0.97	1ST TSP	+23.87
		10/95	Bobbin	ODI	34	0.98	4TH TSP	+36.84
		10/95	C/L Speci	VOL		0.91	13TH TSP	+22.34
10	59	10/95	Bobbin	ODI	14	1.14	16TH TSP	+2.96
		10/95	Bobbin	ODI	17	1.41	13TH TSP	+32.35
10	61	10/95	Bobbin	ODI	22	0.58	1ST TSP	+11.66
10	70	10/95	Bobbin	ADI		2.24	3RD TSP	+8.56
		10/95	Bobbin	ODI	5	0.89	3RD TSP	+12.42
		10/95	H/L Speci	VOL		0.34	3RD TSP	+13.66
		10/95	H/L Speci	VOL		0.89	3RD TSP	+9.54
10	75	10/95	Bobbin	NQI		0.60	17TH TSP	-1.30
		10/95	C/L Speci	VOL		0.84	17TH TSP	-1.51
10	77	10/95	Bobbin	ODI	10	0.71	7TH TSP	+31.41
10	82	10/95	Bobbin	ODI	8	0.96	15TH TSP	+15.43
		10/95	C/L Speci	VOL		1.08	14TH TSP	-2.96
10	84	10/95	Bobbin	ODI	4	0.89	14TH TSP	+14.57
10	89	10/95	Bobbin	ODI	8	0.35	13TH TSP	+22.83
10	91	10/95	Bobbin	ODI	27	0.55	5TH TSP	+20.49
		10/95	Bobbin	ODI	22	0.60	13TH TSP	+17.13
		10/95	H/L Speci	VOL		0.72	5TH TSP	+20.05
10	92	10/95	Bobbin	ODI	7	0.78	9TH TSP	-0.90
10	95	10/95	Bobbin	ODI	35	0.44	7TH TSP	+27.89
10	110	10/95	Bobbin	ADI		2.34	6TH TSP	+30.35
		10/95	H/L Speci	VOL		0.93	7TH TSP	-12.17
10	111	10/95	Bobbin	ADI		0.67	10TH TSP	+35.78
		10/95	C/L Speci	VOL		4.12	9TH TSP	-9.97
10	112	10/95	Bobbin	NQI		0.21	10TH TSP	+43.62
		10/95	C/L Speci	VOL		0.53	9TH TSP	-2.09
11	2	10/95	Bobbin	ODI	33	0.36	5TH TSP	+36.19
11	4	10/95	Bobbin	ODI	27	0.68	15TH TSP	+4.59
11	5	10/95	Bobbin	ODI	31	0.38	7TH TSP	+14.73
		10/95	Bobbin	ODI	8	0.45	10TH TSP	+19.11
11	9	10/95	Bobbin	ODI	13	1.41	17TH TSP	+15.11
11	12	10/95	Bobbin	ADI		0.81	10TH TSP	+25.52
		10/95	Bobbin	ODI	16	1.46	10TH TSP	+16.05
11	16	10/95	Bobbin	ADI		0.60	10TH TSP	+31.60
		10/95	Bobbin	ODI	20	0.33	7TH TSP	+25.65
11	28	10/95	Bobbin	ADI		1.36	TTS-CL	+2.93
		10/95	Bobbin	ADI		1.71	TTS-CL	+5.64
		10/95	C/L Speci	VOL		0.67	TTS-CL	+2.22
		10/95	C/L Speci	VOL		0.92	TTS-CL	+5.25
11	30	10/95	Bobbin	ODI	17	1.42	14TH TSP	+13.75
		10/95	Bobbin	ODI	17	2.64	14TH TSP	+16.11
		10/95	C/L Speci	VOL		1.82	13TH TSP	-2.39
		10/95	C/L Speci	VOL		1.89	13TH TSP	-4.62
11	35	10/95	Bobbin	ADI		0.47	5TH TSP	+35.01
11	51	10/95	Bobbin	ODI	11	0.80	2ND TSP	+25.58
		10/95	Bobbin	ODI	15	0.48	18TH TSP	+9.59
11	54	10/95	Bobbin	ODI	29	0.56	15TH TSP	+3.16
11	87	10/95	Bobbin	NQI		0.44	2ND TSP	+10.54
		10/95	Bobbin	ADI		1.11	17TH TSP	+3.68
		10/95	H/L Speci	VOL		0.82	2ND TSP	+10.56
		10/95	C/L Speci	VOL		0.50	17TH TSP	+3.30
11	88	10/95	Bobbin	NQI		0.22	13TH TSP	+22.28
11	102	10/95	Bobbin	ODI	5	1.37	2ND TSP	+24.02
		10/95	H/L Speci	VOL		0.95	3RD TSP	-11.98
11	112	10/95	Bobbin	ODI	22	0.90	8TH TSP	-1.28
		10/95	H/L Speci	VOL		0.67	8TH TSP	-1.34
12	2	10/95	Bobbin	ODI	14	0.29	11TH TSP	+26.67
12	3	10/95	Bobbin	ODI	18	0.27	7TH TSP	+5.62
		10/95	Bobbin	ODI	21	0.24	7TH TSP	+29.01
		10/95	Bobbin	ODI	22	0.37	7TH TSP	+22.96
		10/95	Bobbin	ODI	37	0.27	7TH TSP	+16.64

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	20	0.37	10TH TSP	+4.78	
		10/95	Bobbin	ODI	23	0.41	10TH TSP	+1.43	
12	10	10/95	Bobbin	ODI	7	1.74	1ST TSP	+26.89	
		10/95	H/L Speci	VOL		0.80	2ND TSP	-3.80	
12	13	10/95	Bobbin	ADI		5.43	TTS-CL	+4.70	
		10/95	Bobbin	ADI		2.91	10TH TSP	+44.17	
		10/95	C/L Speci	VOL		5.89	TTS-CL	+4.33	
		10/95	C/L Speci	VOL		7.61	9TH TSP	-2.30	
12	19	10/95	Bobbin	ADI		4.99	7TH TSP	+38.76	
		10/95	Bobbin	ADI		0.68	10TH TSP	+27.97	
		10/95	Bobbin	ADI		1.11	10TH TSP	+37.00	
		10/95	Bobbin	ADI		1.26	10TH TSP	+26.59	
		10/95	Bobbin	ADI		4.16	10TH TSP	+38.49	
		10/95	Bobbin	ODI	37	0.56	7TH TSP	+21.80	
12	23	10/95	Bobbin	ADI		0.72	7TH TSP	+36.58	
		10/95	Bobbin	NQI		0.56	7TH TSP	+22.14	
		10/95	Bobbin	ADI		1.30	10TH TSP	+24.44	
		10/95	Bobbin	ADI		1.93	10TH TSP	+28.58	
		10/95	Bobbin	NQI		0.51	10TH TSP	+27.17	
		10/95	Bobbin	ODI	22	0.54	7TH TSP	+23.87	
		10/95	Bobbin	ODI	2	0.75	10TH TSP	+23.09	
12	24	10/95	Bobbin	ADI		1.53	5TH TSP	+37.75	
		10/95	Bobbin	ADI		2.13	2ND TSP	+18.72	
		10/95	H/L Speci	VOL		1.69	2ND TSP	+18.93	
12	33	10/95	Bobbin	ADI		1.81	13TH TSP	+34.64	
		10/95	C/L Speci	VOL		1.36	13TH TSP	+33.36	
12	37	10/95	Bobbin	NQI		1.11	4TH TSP	+41.30	
12	48	10/95	Bobbin	ADI		0.86	10TH TSP	+33.31	
12	52	10/95	Bobbin	ODI	5	0.47	10TH TSP	+31.45	
12	89	10/95	Bobbin	NQI		0.69	7TH TSP	+13.83	
		10/95	H/L Speci	VOL		0.38	7TH TSP	+15.38	
12	90	10/95	Bobbin	ODI	16	1.36	6TH TSP	+8.19	
12	108	10/95	Bobbin	NQI		0.80	5TH TSP	+28.72	
		10/95	H/L Speci	VOL		0.55	6TH TSP	-14.99	
13	3	10/95	Bobbin	ODI	11	0.98	3RD TSP	+21.53	
13	4	10/95	Bobbin	ADI		1.96	2ND TSP	+19.79	
13	7	10/95	Bobbin	ODI	8	0.44	12TH TSP	+2.82	
13	11	10/95	Bobbin	ODI	15	1.10	18TH TSP	+4.81	
13	14	10/95	Bobbin	ODI	22	0.96	13TH TSP	+38.81	
13	17	10/95	Bobbin	NQI		0.36	7TH TSP	+38.94	
		10/95	Bobbin	ODI	36	0.41	7TH TSP	+28.88	
		10/95	Bobbin	ODI	33	0.27	10TH TSP	+38.98	
13	21	10/95	Bobbin	ODI	10	1.65	7TH TSP	+33.90	
13	29	10/95	Bobbin	NQI		0.56	7TH TSP	+9.21	
		10/95	H/L Speci	VOL		1.18	7TH TSP	+11.76	
13	33	10/95	Bobbin	ODI	22	1.04	7TH TSP	+17.40	
		10/95	H/L Speci	VOL		0.77	7TH TSP	+18.39	
13	34	10/95	Bobbin	ODI	12	1.43	19TH TSP	+4.17	
		10/95	Bobbin	ODI	22	0.68	13TH TSP	+5.70	
13	43	10/95	Bobbin	ODI	33	0.95	5TH TSP	+33.48	
13	47	10/95	Bobbin	NQI		0.40	13TH TSP	+40.93	
		10/95	Bobbin	ODI	11	0.76	19TH TSP	+5.05	
		10/95	C/L Speci	VOL		0.42	19TH TSP	+5.15	
		10/95	C/L Speci	VOL		1.92	12TH TSP	-2.17	
13	58	10/95	Bobbin	ADI		1.12	17TH TSP	+4.74	to +7.27
13	76	10/95	Bobbin	ODI	5	0.95	11TH TSP	+35.48	
13	87	10/95	Bobbin	ODI	6	0.93	7TH TSP	+6.78	
		10/95	Bobbin	ODI	15	0.83	7TH TSP	+20.72	
13	93	10/95	Bobbin	ODI	21	0.47	4TH TSP	-0.26	
14	5	10/95	Bobbin	ODI	6	1.39	16TH TSP	+12.58	
14	16	10/95	Bobbin	ODI	1	0.60	7TH TSP	+37.46	
		10/95	Bobbin	ODI	5	0.72	7TH TSP	+35.87	
		10/95	Bobbin	ODI	6	0.80	7TH TSP	+38.39	
		10/95	Bobbin	ODI	1	0.56	10TH TSP	+39.41	
		10/95	Bobbin	ODI	1	0.97	10TH TSP	+40.17	

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S/G A

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

Page

14	17	10/95	Bobbin	ADI		1.71	3RD TSP	+23.84
		10/95	Bobbin	ODI	37	0.29	7TH TSP	+30.60
		10/95	Bobbin	ODI	2	0.46	11TH TSP	+19.93
14	25	10/95	Bobbin	ODI	3	0.95	17TH TSP	+0.81
		10/95	Bobbin	ODI	4	0.77	10TH TSP	+3.39
		10/95	Bobbin	ODI	11	0.48	12TH TSP	+6.12
		10/95	Bobbin	ODI	12	0.56	16TH TSP	+1.24
		10/95	Bobbin	ODI	25	0.62	15TH TSP	+1.46
		10/95	Bobbin	ODI	36	0.77	13TH TSP	+11.70
14	28	10/95	Bobbin	ADI		1.17	10TH TSP	+17.88
		10/95	Bobbin	ADI		1.25	15TH TSP	+15.89
		10/95	C/L Speci	VOL		0.18	10TH TSP	+16.75
		10/95	C/L Speci	VOL		0.83	14TH TSP	-3.30
14	29	10/95	Bobbin	ODI	5	1.84	6TH TSP	+21.55
14	33	10/95	Bobbin	NQI		0.33	10TH TSP	+41.17
14	35	10/95	Bobbin	ODI	1	1.24	2ND TSP	+26.26
14	49	10/95	Bobbin	ODI	12	0.61	10TH TSP	+33.84
14	92	10/95	Bobbin	ODI	28	0.26	10TH TSP	+39.39
14	97	10/95	Bobbin	NQI		0.78	12TH TSP	+37.72
		10/95	Bobbin	ODI	9	1.23	12TH TSP	+31.44
		10/95	C/L Speci	VOL		0.44	11TH TSP	-5.36
		10/95	C/L Speci	VOL		0.51	11TH TSP	-12.15
14	100	10/95	Bobbin	ADI		4.53	1AVB	+17.04
		10/95	U-Bend	VOL		1.25	1AVB	+16.17
14	107	10/95	Bobbin	ODI	20	0.52	7TH TSP	+35.47
14	108	10/95	Bobbin	ODI	8	0.94	6TH TSP	+13.18
		10/95	Bobbin	ODI	19	0.71	6TH TSP	+6.17
		10/95	Bobbin	ODI	9	0.43	10TH TSP	+14.39
		10/95	H/L Speci	VOL		0.28	6TH TSP	+6.37
		10/95	H/L Speci	VOL		0.46	6TH TSP	+13.22
		10/95	C/L Speci	VOL		2.10	10TH TSP	+13.46
14	109	10/95	Bobbin	ODI	18	0.33	10TH TSP	+38.60
14	111	10/95	Bobbin	ODI	6	0.75	10TH TSP	+35.00
15	3	10/95	Bobbin	NQI		0.39	15TH TSP	-0.48
15	7	10/95	Bobbin	ODI	23	0.37	6TH TSP	+22.47
15	14	10/95	Bobbin	NQI		0.28	10TH TSP	+42.30
15	17	10/95	Bobbin	ODI	17	0.41	7TH TSP	+39.00
		10/95	Bobbin	ODI	5	0.66	10TH TSP	+27.81
		10/95	Bobbin	ODI	22	0.49	10TH TSP	+26.79
15	18	10/95	Bobbin	ODI	11	0.42	7TH TSP	+29.33
		10/95	Bobbin	ODI	5	0.90	10TH TSP	+42.24
		10/95	Bobbin	ODI	9	0.29	10TH TSP	+36.43
15	19	10/95	Bobbin	NQI		0.35	7TH TSP	+18.98
		10/95	H/L Speci	VOL		1.17	7TH TSP	+4.20
15	20	10/95	Bobbin	ODI	13	0.52	5TH TSP	+7.54
15	22	10/95	Bobbin	ODI	7	0.56	11TH TSP	+19.99
15	23	10/95	Bobbin	ODI	14	0.33	7TH TSP	+38.41
		10/95	Bobbin	ODI	6	0.68	10TH TSP	+37.50
		10/95	Bobbin	ODI	7	0.80	10TH TSP	+24.26
15	24	10/95	Bobbin	ODI	35	0.39	TTS-CL	+5.03
		10/95	Bobbin	ODI	7	0.15	7TH TSP	+25.15
		10/95	Bobbin	ODI	10	0.31	7TH TSP	+21.21
		10/95	Bobbin	ODI	22	0.51	7TH TSP	+26.06
		10/95	Bobbin	ODI	12	1.01	10TH TSP	+5.52
		10/95	Bobbin	ODI	24	0.65	10TH TSP	+44.37
15	25	10/95	Bobbin	ODI	5	1.50	5TH TSP	+12.29
		10/95	Bobbin	ODI	6	0.72	17TH TSP	+16.42
15	29	10/95	Bobbin	ODI	23	0.29	7TH TSP	+40.74
		10/95	Bobbin	ODI	10	0.47	10TH TSP	+42.15
15	30	10/95	Bobbin	ADI		0.42	10TH TSP	+40.63
		10/95	Bobbin	ADI		1.28	13TH TSP	+29.95
		10/95	Bobbin	ODI	12	0.72	7TH TSP	+36.13
		10/95	Bobbin	ODI	13	0.26	10TH TSP	+39.19
15	31	10/95	Bobbin	ODI	18	1.08	6TH TSP	+36.40
		10/95	Bobbin	ODI	12	0.46	10TH TSP	+33.83

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 Catawba Nuclear Station - Unit Two
 S/G A
 10/95 RFO

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

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S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		0.77	7TH TSP	-6.20
15	49	10/95	Bobbin	ODI	12	0.76	2ND TSP	+17.66
15	50	10/95	Bobbin	ODI	32	0.37	10TH TSP	+20.36
15	51	10/95	Bobbin	ODI	25	0.33	7TH TSP	+28.33
15	53	10/95	Bobbin	ODI	21	0.43	6TH TSP	+40.42
15	55	10/95	Bobbin	ODI	11	1.12	17TH TSP	+8.94
15	56	10/95	Bobbin	ODI	24	0.42	6TH TSP	+4.16
15	57	10/95	Bobbin	ODI	15	0.40	18TH TSP	+9.64
15	72	10/95	Bobbin	ODI	11	1.15	3RD TSP	+21.46
15	74	10/95	Bobbin	ODI	16	0.59	16TH TSP	+10.67
		10/95	C/L Speci	VOL		0.41	16TH TSP	+10.46
15	85	10/95	Bobbin	ODI	5	0.79	11TH TSP	+27.99
15	91	10/95	Bobbin	ODI	15	0.31	7TH TSP	+28.78
15	97	10/95	Bobbin	NQI		0.27	7TH TSP	+36.86
		10/95	Bobbin	ODI	1	0.73	7TH TSP	+38.03
15	107	10/95	Bobbin	ODI	24	0.29	6TH TSP	+31.85
		10/95	Bobbin	ODI	34	0.34	11TH TSP	+35.84
15	108	10/95	Bobbin	ODI	7	0.23	7TH TSP	+31.44
15	109	10/95	Bobbin	ODI	2	1.46	14TH TSP	+10.60
		10/95	Bobbin	ODI	10	0.51	11TH TSP	+27.96
16	4	10/95	Bobbin	ODI	8	0.95	7TH TSP	+26.87
		10/95	Bobbin	ODI	4	0.96	11TH TSP	+29.35
16	5	10/95	Bobbin	ODI	9	0.43	11TH TSP	+25.72
16	17	10/95	Bobbin	ODI	6	0.55	10TH TSP	+26.08
		10/95	Bobbin	ODI	7	0.64	10TH TSP	+30.28
		10/95	Bobbin	ODI	12	0.43	10TH TSP	+27.14
		10/95	Bobbin	ODI	33	0.53	10TH TSP	+24.92
16	23	10/95	Bobbin	ODI	29	1.06	13TH TSP	+15.02
16	54	10/95	Bobbin	ODI	11	0.50	4TH TSP	+25.91
		10/95	Bobbin	ODI	11	0.30	10TH TSP	+26.60
		10/95	Bobbin	ODI	17	0.29	10TH TSP	+38.41
		10/95	H/L Speci	VOL		0.60	4TH TSP	+26.46
16	60	10/95	Bobbin	ADI		1.98	13TH TSP	+20.83
		10/95	C/L Speci	VOL		0.07	13TH TSP	+12.96
		10/95	C/L Speci	VOL		0.27	13TH TSP	+13.91
		10/95	C/L Speci	VOL		0.39	13TH TSP	+15.36
		10/95	C/L Speci	VOL		0.39	13TH TSP	+20.34
		10/95	C/L Speci	VOL		0.40	13TH TSP	+16.60
16	61	10/95	Bobbin	ODI	11	1.46	17TH TSP	+4.43
16	64	10/95	Bobbin	ADI		0.88	18TH TSP	+14.85
		10/95	C/L Speci	VOL		0.84	18TH TSP	+14.61
16	77	10/95	Bobbin	ODI	20	0.81	16TH TSP	+11.19
		10/95	C/L Speci	VOL		0.61	16TH TSP	+11.06
16	105	10/95	Bobbin	ODI	7	1.32	7TH TSP	+10.18
16	106	10/95	Bobbin	ADI		1.58	17TH TSP	+7.48
		10/95	Bobbin	ADI		1.95	10TH TSP	+20.75
16	107	10/95	Bobbin	ADI		2.17	8TH TSP	+27.35
		10/95	Bobbin	ODI	5	0.80	5TH TSP	+30.83
16	111	10/95	Bobbin	ODI	22	0.46	7TH TSP	+25.66
17	7	10/95	Bobbin	ODI	5	2.43	6TH TSP	+24.90
		10/95	H/L Speci	VOL		0.74	6TH TSP	+25.61
17	8	10/95	Bobbin	ODI	9	1.11	10TH TSP	+5.68
17	9	10/95	Bobbin	ODI	9	0.19	5TH TSP	+10.72
		10/95	Bobbin	ODI	38	0.31	7TH TSP	+8.56
		10/95	Bobbin	ODI	35	0.31	14TH TSP	+11.06
		10/95	H/L Speci	VOL		0.52	7TH TSP	+9.98
17	11	10/95	Bobbin	ODI	7	1.05	13TH TSP	+21.42
17	18	10/95	Bobbin	ODI	12	0.53	10TH TSP	+32.22
17	24	10/95	Bobbin	ODI	19	0.54	11TH TSP	+25.40
17	28	10/95	Bobbin	ODI	23	0.98	18TH TSP	+9.25
17	31	10/95	Bobbin	NQI		0.38	7TH TSP	+34.33
17	35	10/95	Bobbin	ODI	12	1.70	7TH TSP	+21.36
17	36	10/95	Bobbin	ODI	13	0.19	10TH TSP	+44.38
17	39	10/95	Bobbin	NQI		0.29	8TH TSP	-1.17
17	43	10/95	Bobbin	ODI	16	0.55	10TH TSP	+38.14

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

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S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
17	45	10/95	Bobbin	ODI	36	0.63	10TH TSP	+17.34
17	52	10/95	Bobbin	ODI	15	1.32	7TH TSP	+27.96
17	57	10/95	Bobbin	ODI	32	0.28	7TH TSP	+34.89
17	59	10/95	Bobbin	ODI	10	1.36	15TH TSP	+9.30
17	61	10/95	Bobbin	ODI	11	1.57	14TH TSP	+11.47
17	63	10/95	Bobbin	ODI	11	1.37	3RD TSP	+11.29
		10/95	H/L Speci	VOL		0.85	3RD TSP	+11.21
17	65	10/95	Bobbin	ODI	1	1.04	18TH TSP	+14.59
		10/95	Bobbin	ODI	12	2.08	17TH TSP	+1.24
17	76	10/95	Bobbin	ODI	8	0.84	1ST TSP	+5.02
17	80	10/95	Bobbin	NQI		1.13	13TH TSP	+14.69
17	86	10/95	Bobbin	NQI		0.72	7TH TSP	+8.00
		10/95	H/L Speci	VOL		1.33	7TH TSP	+8.58
17	103	10/95	Bobbin	ODI	16	0.41	13TH TSP	+17.94
17	108	10/95	Bobbin	ODI	7	1.00	6TH TSP	+2.74
17	110	10/95	Bobbin	NQI		0.63	5TH TSP	+24.18
		10/95	H/L Speci	VOL		0.56	5TH TSP	+24.53
18	4	10/95	Bobbin	NQI		0.35	10TH TSP	+37.20
18	17	10/95	Bobbin	ODI	35	0.40	10TH TSP	+24.57
18	36	10/95	Bobbin	ODI	3	0.75	16TH TSP	+4.55
		10/95	Bobbin	ODI	7	1.53	13TH TSP	+30.26
		10/95	Bobbin	ODI	13	2.05	13TH TSP	+28.63
18	37	10/95	Bobbin	ODI	33	0.60	15TH TSP	-1.16
18	38	10/95	Bobbin	ODI	1	0.48	10TH TSP	+41.91
18	41	10/95	Bobbin	ODI	10	0.64	12TH TSP	+21.44
		10/95	C/L Speci	VOL		0.85	12TH TSP	+21.69
18	51	10/95	Bobbin	ODI	6	0.62	10TH TSP	+42.85
18	64	10/95	Bobbin	ODI	8	0.47	2ND TSP	+11.61
		10/95	Bobbin	ODI	23	0.75	1ST TSP	+20.17
		10/95	Bobbin	ODI	7	0.41	11TH TSP	+6.30
		10/95	C/L Speci	VOL		0.44	11TH TSP	+7.14
18	65	10/95	Bobbin	ODI	5	1.43	5TH TSP	+24.86
18	66	10/95	Bobbin	ODI	4	0.82	13TH TSP	+17.68
		10/95	C/L Speci	VOL		0.17	13TH TSP	+18.21
18	67	10/95	Bobbin	ODI	3	1.84	10TH TSP	+4.30
		10/95	C/L Speci	VOL		0.36	10TH TSP	+3.94
18	76	10/95	Bobbin	NQI		0.40	9TH TSP	+1.04
18	90	10/95	Bobbin	NQI		0.34	12TH TSP	+17.26
		10/95	C/L Speci	VOL		0.82	12TH TSP	+17.68
18	111	10/95	Bobbin	NQI		0.72	6TH TSP	+26.88
		10/95	Bobbin	ODI	8	0.68	2ND TSP	+27.93
		10/95	Bobbin	ODI	31	0.97	7TH TSP	+15.39
		10/95	H/L Speci	VOL		0.67	6TH TSP	+25.84
		10/95	H/L Speci	VOL		0.94	6TH TSP	+27.05
19	16	10/95	Bobbin	ODI	8	0.64	4TH TSP	+11.52
19	19	10/95	Bobbin	ODI	16	0.79	7TH TSP	+38.56
19	43	10/95	Bobbin	ODI	8	1.09	11TH TSP	+27.01
		10/95	Bobbin	ODI	20	2.42	13TH TSP	+7.15
19	44	10/95	Bobbin	NQI		0.57	10TH TSP	+34.31
19	45	10/95	Bobbin	ODI	16	0.89	6TH TSP	+37.33
19	46	10/95	Bobbin	ODI	5	0.38	10TH TSP	+40.59
		10/95	Bobbin	ODI	6	0.26	10TH TSP	+39.51
19	48	10/95	Bobbin	ODI	15	0.74	1AVB	+7.85
		10/95	Bobbin	ODI	6	0.44	7TH TSP	+37.34
		10/95	Bobbin	ODI	16	0.32	10TH TSP	+41.35
		10/95	Bobbin	ODI	25	0.20	10TH TSP	+42.67
19	54	10/95	Bobbin	ODI	20	0.67	10TH TSP	+43.93
19	57	10/95	Bobbin	ODI	11	0.27	10TH TSP	+36.05
		10/95	Bobbin	ODI	12	0.26	10TH TSP	+19.93
19	62	10/95	Bobbin	ODI	1	0.49	12TH TSP	+30.84
		10/95	C/L Speci	VOL		0.70	12TH TSP	+31.02
19	69	10/95	Bobbin	NQI		0.61	6TH TSP	+13.78
		10/95	H/L Speci	VOL		1.07	6TH TSP	+14.43
19	94	10/95	Bobbin	ODI	4	1.40	1ST TSP	+14.78
		10/95	Bobbin	ODI	9	0.65	5TH TSP	+10.68

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

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ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	Bobbin	ODI	23	1.11	5TH TSP	+13.49
19	100	10/95	Bobbin	ODI	11	0.60	1ST TSP	+20.11
		10/95	Bobbin	ODI	28	0.32	1ST TSP	+17.83
19	103	10/95	Bobbin	NQI		0.31	13TH TSP	+24.51
		10/95	Bobbin	NQI		0.36	10TH TSP	+17.21
		10/95	Bobbin	ODI	12	0.51	10TH TSP	+20.41
19	105	10/95	Bobbin	NQI		0.43	7TH TSP	+42.11
		10/95	Bobbin	ODI	30	0.45	7TH TSP	+41.23
		10/95	Bobbin	ODI	8	0.36	10TH TSP	+43.58
		10/95	Bobbin	ODI	12	0.65	10TH TSP	+41.40
19	107	10/95	Bobbin	NQI		0.64	15TH TSP	+15.89
		10/95	Bobbin	NQI		1.16	12TH TSP	+2.81
		10/95	C/L Speci	VOL		0.44	14TH TSP	-2.29
		10/95	C/L Speci	VOL		0.78	12TH TSP	+2.81
19	110	10/95	Bobbin	ODI	28	0.41	10TH TSP	+41.38
20	5	10/95	Bobbin	ODI	39	0.57	10TH TSP	+44.16
20	12	10/95	Bobbin	ODI	12	0.39	10TH TSP	+16.26
		10/95	Bobbin	ODI	26	0.31	10TH TSP	+32.95
		10/95	Bobbin	ODI	27	0.22	10TH TSP	+15.10
20	20	10/95	Bobbin	ODI	3	0.32	7TH TSP	+30.13
		10/95	Bobbin	ODI	8	0.46	7TH TSP	+34.20
		10/95	Bobbin	ODI	9	0.79	7TH TSP	+28.95
		10/95	Bobbin	ODI	11	0.46	7TH TSP	+30.91
		10/95	Bobbin	ODI	24	0.19	7TH TSP	+27.43
20	22	10/95	Bobbin	ODI	8	0.91	10TH TSP	+44.19
		10/95	Bobbin	ODI	33	0.31	10TH TSP	+36.04
20	23	10/95	Bobbin	NQI		0.20	15TH TSP	+8.84
		10/95	C/L Speci	VOL		0.72	15TH TSP	+8.88
20	46	10/95	Bobbin	ODI	12	0.40	10TH TSP	+35.63
20	52	10/95	Bobbin	ODI	9	0.61	10TH TSP	+43.28
20	54	10/95	Bobbin	ODI	18	2.17	15TH TSP	+4.12
20	57	10/95	Bobbin	NQI		1.06	6TH TSP	+20.70
		10/95	Bobbin	NQI		0.19	10TH TSP	+21.54
		10/95	Bobbin	NQI		0.44	10TH TSP	+26.98
		10/95	Bobbin	ODI	11	0.91	6TH TSP	+22.16
		10/95	Bobbin	ODI	5	0.36	10TH TSP	+22.83
		10/95	Bobbin	ODI	16	0.31	11TH TSP	+7.54
		10/95	Bobbin	ODI	18	0.50	14TH TSP	+14.89
		10/95	H/L Speci	VOL		0.33	6TH TSP	+21.35
		10/95	C/L Speci	VOL		1.18	10TH TSP	+21.56
20	63	10/95	Bobbin	ODI	22	0.28	15TH TSP	+16.51
20	69	10/95	Bobbin	ADI		1.50	18TH TSP	+11.85
		10/95	C/L Speci	VOL		1.38	18TH TSP	+11.24
20	70	10/95	Bobbin	NQI		0.56	16TH TSP	+5.16
		10/95	C/L Speci	VOL		0.29	16TH TSP	+2.40
		10/95	C/L Speci	VOL		0.73	16TH TSP	+5.83
20	77	10/95	Bobbin	ODI	4	0.64	2ND TSP	+23.21
		10/95	Bobbin	ODI	20	0.70	4TH TSP	+15.17
20	79	10/95	Bobbin	ODI	15	0.27	9TH TSP	-1.38
		10/95	Bobbin	ODI	3	0.52	10TH TSP	+42.88
20	86	10/95	Bobbin	NQI		0.38	6TH TSP	+9.19
		10/95	H/L Speci	VOL		0.85	6TH TSP	+8.97
20	88	10/95	Bobbin	NQI		0.88	12TH TSP	+38.35
		10/95	C/L Speci	VOL		0.95	12TH TSP	+36.88
20	91	10/95	Bobbin	NQI		0.56	5TH TSP	+36.34
		10/95	H/L Speci	VOL		0.88	6TH TSP	-5.67
20	92	10/95	Bobbin	NQI		1.08	10TH TSP	+3.84
		10/95	C/L Speci	VOL		1.17	10TH TSP	+3.51
20	109	10/95	Bobbin	ODI	4	1.00	1ST TSP	+21.30
21	19	10/95	Bobbin	ODI	24	0.91	10TH TSP	+32.51
21	20	10/95	Bobbin	NQI		0.23	7TH TSP	+36.29
		10/95	Bobbin	NQI		0.32	6TH TSP	+40.33
		10/95	Bobbin	ODI	17	0.33	10TH TSP	+42.39
		10/95	Bobbin	ODI	24	0.57	10TH TSP	+43.70
21	47	10/95	Bobbin	ODI	9	0.41	7TH TSP	+37.93

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	12	0.34	7TH TSP	+37.43	
21	49	10/95	Bobbin	ODI	30	0.62	7TH TSP	+33.41	
21	53	10/95	Bobbin	NQI		0.54	2ND TSP	+16.27	
		10/95	Bobbin	ODI	26	0.29	10TH TSP	+42.27	
		10/95	H/L Speci	VOL		1.08	2ND TSP	+16.33	
21	58	10/95	Bobbin	ODI	10	0.68	TTS-CL	+0.57	
21	75	10/95	Bobbin	ODI	23	0.40	14TH TSP	+6.71	
21	88	10/95	Bobbin	ODI	21	1.26	7TH TSP	+17.54	
21	89	10/95	Bobbin	NQI		0.56	10TH TSP	+2.25	
		10/95	C/L Speci	VOL		0.30	10TH TSP	+2.20	
21	92	10/95	Bobbin	NQI		0.42	4TH TSP	+2.79	
		10/95	Bobbin	NQI		0.46	7TH TSP	+1.91	
21	94	10/95	Bobbin	NQI		0.70	10TH TSP	+4.15	to +10.36
		10/95	C/L Speci	VOL		0.29	10TH TSP	+3.89	to +9.73
21	101	10/95	Bobbin	ODI	9	0.63	7TH TSP	+21.31	
21	103	10/95	Bobbin	ODI	23	0.59	10TH TSP	+43.95	
21	104	10/95	Bobbin	NQI		0.31	10TH TSP	+33.62	
		10/95	Bobbin	ODI	38	0.32	10TH TSP	+27.88	
21	106	10/95	Bobbin	ODI	1	0.91	7TH TSP	+35.29	
		10/95	Bobbin	ODI	7	0.37	7TH TSP	+35.90	
		10/95	Bobbin	ODI	38	0.24	7TH TSP	+34.31	
		10/95	Bobbin	ODI	5	0.88	10TH TSP	+33.12	
		10/95	Bobbin	ODI	35	0.83	10TH TSP	+42.66	
21	107	10/95	Bobbin	NQI		0.42	4TH TSP	+20.69	
		10/95	Bobbin	NQI		0.72	5TH TSP	+37.97	
		10/95	H/L Speci	VOL		0.84	4TH TSP	+20.64	
		10/95	H/L Speci	VOL		1.38	4TH TSP	+21.68	
		10/95	H/L Speci	VOL		1.50	6TH TSP	-5.55	
22	11	10/95	Bobbin	NQI		1.33	13TH TSP	+24.76	
		10/95	Bobbin	ODI	7	1.53	5TH TSP	+29.71	
		10/95	C/L Speci	VOL		1.93	13TH TSP	+23.90	
22	14	10/95	Bobbin	ODI	8	0.43	7TH TSP	+42.41	
22	20	10/95	Bobbin	ODI	8	0.83	11TH TSP	+27.67	
		10/95	C/L Speci	VOL		1.83	11TH TSP	+27.09	
22	41	10/95	Bobbin	ODI	6	0.87	TTS-CL	+15.71	
		10/95	Bobbin	ODI	4	1.44	2ND TSP	+7.40	
		10/95	Bobbin	ODI	16	0.52	7TH TSP	+5.12	
		10/95	Bobbin	ODI	5	1.03	15TH TSP	+13.99	
		10/95	Bobbin	ODI	6	0.85	14TH TSP	+7.81	
		10/95	Bobbin	ODI	30	0.37	17TH TSP	+2.32	
22	44	10/95	Bobbin	ODI	9	0.43	10TH TSP	+42.72	
22	71	10/95	Bobbin	NQI		0.66	9TH TSP	+0.73	
22	76	10/95	Bobbin	ODI	1	0.51	13TH TSP	+4.47	
		10/95	C/L Speci	VOL		0.54	13TH TSP	+4.88	
22	89	10/95	Bobbin	ODI	1	0.75	14TH TSP	+8.86	
		10/95	C/L Speci	VOL		0.36	14TH TSP	+8.28	
		10/95	C/L Speci	VOL		0.49	14TH TSP	+10.71	
22	96	10/95	Bobbin	NQI		0.81	7TH TSP	+20.80	
		10/95	H/L Speci	VOL		0.86	7TH TSP	+20.67	
22	97	10/95	Bobbin	ODI	16	0.48	1ST TSP	+17.57	
22	105	10/95	Bobbin	ODI	26	0.27	10TH TSP	+44.34	
22	108	10/95	Bobbin	ODI	25	0.22	7TH TSP	+38.55	
		10/95	Bobbin	ODI	5	1.02	10TH TSP	+44.23	
		10/95	Bobbin	ODI	11	0.82	10TH TSP	+15.98	
		10/95	Bobbin	ODI	17	0.39	10TH TSP	+29.97	
23	30	10/95	Bobbin	ODI	12	0.99	11TH TSP	+19.70	
		10/95	C/L Speci	VOL		1.50	11TH TSP	+19.45	
23	31	10/95	Bobbin	ODI	18	0.85	7TH TSP	+8.63	
23	72	10/95	Bobbin	NQI		0.30	8TH TSP	-1.33	
23	77	10/95	Bobbin	ODI	17	0.72	15TH TSP	+1.91	
23	78	10/95	Bobbin	ODI	8	0.78	11TH TSP	+6.07	
23	95	10/95	Bobbin	NQI		1.20	6TH TSP	+21.39	
		10/95	H/L Speci	VOL		2.25	6TH TSP	+21.36	
23	103	10/95	Bobbin	ODI	4	0.42	7TH TSP	+33.86	
23	106	10/95	Bobbin	NQI		0.31	10TH TSP	+39.95	

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S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	28	0.46	7TH TSP	+32.62
		10/95	Bobbin	ODI	14	0.42	10TH TSP	+40.74
23	107	10/95	Bobbin	ODI	8	0.37	7TH TSP	+34.88
23	108	10/95	Bobbin	ADI		0.75	7TH TSP	+36.01
		10/95	Bobbin	ADI		1.77	7TH TSP	+25.72
		10/95	Bobbin	NQI		0.52	10TH TSP	+42.25
		10/95	Bobbin	ODI	20	0.61	7TH TSP	+33.74
		10/95	Bobbin	ODI	26	0.45	7TH TSP	+35.13
		10/95	Bobbin	ODI	27	0.59	7TH TSP	+24.91
		10/95	Bobbin	ODI	30	0.19	7TH TSP	+21.55
		10/95	Bobbin	ODI	18	0.69	10TH TSP	+32.97
		10/95	Bobbin	ODI	39	0.31	10TH TSP	+38.19
		10/95	C/L Speci	VOL		0.43	9TH TSP	-12.42
24	8	10/95	Bobbin	NQI		0.64	10TH TSP	+43.02
24	15	10/95	Bobbin	NQI		0.27	18TH TSP	-1.20
		10/95	Bobbin	ODI	6	0.55	18TH TSP	+3.00
24	25	10/95	Bobbin	ODI	32	1.01	14TH TSP	+4.81
24	31	10/95	Bobbin	ODI	13	0.78	7TH TSP	+27.53
		10/95	Bobbin	ODI	5	1.33	10TH TSP	+40.20
		10/95	Bobbin	ODI	8	1.17	13TH TSP	+37.11
		10/95	Bobbin	ODI	10	1.09	18TH TSP	+8.49
		10/95	Bobbin	ODI	26	0.92	10TH TSP	+37.75
24	37	10/95	Bobbin	ODI	7	1.67	12TH TSP	+4.27
24	50	10/95	Bobbin	ODI	3	1.07	7TH TSP	+14.55
		10/95	Bobbin	ODI	11	0.98	7TH TSP	+12.78
24	51	10/95	Bobbin	NQI		0.22	7TH TSP	+19.15
24	52	10/95	Bobbin	ODI	27	0.23	7TH TSP	+11.90
24	53	10/95	Bobbin	NQI		0.21	7TH TSP	+20.51
24	62	10/95	Bobbin	ODI	5	0.59	4TH TSP	+40.31
24	64	10/95	Bobbin	ODI	8	0.59	4TH TSP	+23.50
		10/95	Bobbin	ODI	4	0.61	13TH TSP	+15.45
24	77	10/95	Bobbin	ADI		0.80	10TH TSP	+12.49
		10/95	C/L Speci	VOL		0.38	10TH TSP	+11.83
24	79	10/95	Bobbin	ODI	38	0.23	9TH TSP	-1.50
24	83	10/95	Bobbin	ADI		0.92	19TH TSP	+4.86
		10/95	C/L Speci	VOL		0.42	19TH TSP	+4.89
24	84	10/95	Bobbin	NQI		0.45	8TH TSP	-0.21
		10/95	Bobbin	NQI		0.81	9TH TSP	-0.08
		10/95	Bobbin	ODI	3	0.31	7TH TSP	+31.27
		10/95	Bobbin	ODI	11	1.71	5TH TSP	+31.74
		10/95	H/L Speci	VOL		2.08	6TH TSP	-12.14
24	90	10/95	Bobbin	ODI	18	0.66	11TH TSP	+31.47
		10/95	Bobbin	ODI	24	0.92	16TH TSP	+7.37
24	94	10/95	Bobbin	NQI		0.49	12TH TSP	+38.52
		10/95	C/L Speci	VOL		0.61	11TH TSP	-5.83
24	99	10/95	Bobbin	NQI		0.29	10TH TSP	+41.99
		10/95	Bobbin	ODI	5	0.99	7TH TSP	+32.60
		10/95	Bobbin	ODI	6	1.13	7TH TSP	+34.87
24	100	10/95	Bobbin	ODI	7	0.34	10TH TSP	+41.52
		10/95	Bobbin	ODI	25	0.43	10TH TSP	+28.33
24	103	10/95	Bobbin	ODI	1	1.39	10TH TSP	+37.24
		10/95	Bobbin	ODI	13	0.36	10TH TSP	+23.43
24	105	10/95	Bobbin	ODI	17	0.25	10TH TSP	+30.25
24	106	10/95	Bobbin	ODI	9	0.54	10TH TSP	+26.01
25	7	10/95	Bobbin	ODI	8	0.29	6TH TSP	+30.35
25	15	10/95	Bobbin	ODI	6	0.48	7TH TSP	+19.08
		10/95	Bobbin	ODI	31	0.48	6TH TSP	+3.19
		10/95	Bobbin	ODI	30	0.26	18TH TSP	+2.15
		10/95	Bobbin	ODI	38	0.24	10TH TSP	+33.67
25	19	10/95	Bobbin	NQI		1.17	5TH TSP	+29.32
		10/95	U-Bend	VOL		1.15	9TH TSP	+92.70
		10/95	Bobbin	ODI	1	1.14	7TH TSP	+35.63
		10/95	Bobbin	ODI	12	0.66	3RD TSP	+25.93
		10/95	Bobbin	ODI	19	1.51	6TH TSP	+23.64
		10/95	Bobbin	ODI	21	0.63	10TH TSP	+41.76

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

25	23	10/95	Bobbin	ODI	31	0.28	7TH TSP	+24.61
25	25	10/95	Bobbin	ODI	6	0.75	10TH TSP	+31.13
		10/95	Bobbin	ODI	14	0.31	10TH TSP	+36.78
		10/95	Bobbin	ODI	21	0.41	10TH TSP	+38.06
25	27	10/95	Bobbin	NQI		0.46	7TH TSP	+11.05
		10/95	Bobbin	ODI	4	0.36	7TH TSP	+12.14
25	29	10/95	Bobbin	ADI		2.12	1AVB	+17.64
25	30	10/95	Bobbin	ODI	2	1.62	10TH TSP	+31.93
		10/95	Bobbin	ODI	3	1.26	13TH TSP	+9.29
		10/95	Bobbin	ODI	7	1.23	14TH TSP	+9.61
25	32	10/95	Bobbin	ODI	11	3.78	6TH TSP	+18.08
		10/95	Bobbin	ODI	4	1.12	12TH TSP	+22.27
25	36	10/95	Bobbin	ODI	6	0.71	12TH TSP	+17.96
25	37	10/95	Bobbin	ODI	18	3.39	4AVB	+17.52
25	41	10/95	Bobbin	ODI	10	3.36	1ST TSP	+25.20
25	55	10/95	Bobbin	NQI		0.94	12TH TSP	+6.99
		10/95	C/L Speci	VOL		1.81	12TH TSP	+6.93
25	59	10/95	Bobbin	NQI		0.49	12TH TSP	+8.93
		10/95	Bobbin	ODI	2	0.81	12TH TSP	+9.54
		10/95	C/L Speci	VOL		0.23	12TH TSP	+9.89
		10/95	C/L Speci	VOL		0.25	12TH TSP	+10.47
25	60	10/95	Bobbin	ODI	9	0.61	1ST TSP	+0.60
25	64	10/95	Bobbin	ODI	5	0.47	4TH TSP	+39.65
25	66	10/95	Bobbin	ODI	21	0.39	2ND TSP	+1.43
25	69	10/95	Bobbin	ODI	1	0.97	6TH TSP	+37.24
25	71	10/95	Bobbin	ODI	35	0.33	7TH TSP	+36.49
25	80	10/95	Bobbin	NQI		0.33	18TH TSP	+11.17
		10/95	C/L Speci	VOL		0.37	18TH TSP	+11.23
25	88	10/95	Bobbin	ODI	16	0.73	5TH TSP	+1.54
		10/95	Bobbin	ODI	27	0.64	2ND TSP	+18.11
25	101	10/95	Bobbin	ODI	28	0.35	6TH TSP	+33.73
25	103	10/95	Bobbin	ODI	8	0.61	16TH TSP	+8.75
		10/95	Bobbin	ODI	10	0.28	10TH TSP	+42.59
		10/95	Bobbin	ODI	21	0.24	10TH TSP	+38.39
		10/95	Bobbin	ODI	27	0.35	10TH TSP	+33.89
25	104	10/95	Bobbin	ODI	13	0.36	7TH TSP	+30.30
25	105	10/95	Bobbin	ODI	1	0.63	10TH TSP	+43.78
		10/95	C/L Speci	VOL		0.63	9TH TSP	-2.20
25	106	10/95	Bobbin	ODI	17	0.90	10TH TSP	+40.74
		10/95	Bobbin	ODI	23	0.37	10TH TSP	+26.95
25	107	10/95	Bobbin	ODI	7	0.77	5TH TSP	+19.72
25	108	10/95	Bobbin	ODI	24	0.52	7TH TSP	+31.26
26	8	10/95	Bobbin	ODI	21	0.45	7TH TSP	+37.25
		10/95	Bobbin	ODI	11	0.39	10TH TSP	+32.73
		10/95	Bobbin	ODI	16	0.45	10TH TSP	+33.31
		10/95	Bobbin	ODI	21	0.33	10TH TSP	+33.84
26	20	10/95	Bobbin	ODI	22	0.46	7TH TSP	+24.50
26	24	10/95	Bobbin	ADI		1.48	12TH TSP	+6.37
		10/95	C/L Speci	VOL		1.22	12TH TSP	+6.33
26	28	10/95	Bobbin	ODI	24	0.45	17TH TSP	+15.65
26	32	10/95	Bobbin	ADI		4.61	9TH TSP	+19.96
26	34	10/95	Bobbin	ODI	22	0.30	7TH TSP	+31.39
26	36	10/95	Bobbin	ODI	1	0.89	10TH TSP	+35.25
26	39	10/95	Bobbin	ODI	20	0.68	7TH TSP	+33.43
26	41	10/95	Bobbin	ADI		2.62	17TH TSP	+11.90
26	42	10/95	Bobbin	ODI	8	1.00	10TH TSP	+43.10
26	65	10/95	Bobbin	NQI		0.58	9TH TSP	+0.70
26	69	10/95	Bobbin	ODI	1	1.94	7TH TSP	+14.41
26	70	10/95	Bobbin	ODI	19	0.30	10TH TSP	+40.89
26	71	10/95	Bobbin	ODI	36	0.37	10TH TSP	+43.30
26	74	10/95	Bobbin	NQI		0.23	10TH TSP	+2.19
		10/95	Bobbin	ODI	11	0.85	5TH TSP	+30.20
		10/95	Bobbin	ODI	2	1.53	10TH TSP	+1.90
		10/95	Bobbin	ODI	7	1.44	12TH TSP	+23.39
		10/95	Bobbin	ODI	25	0.53	10TH TSP	+23.57

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	31	0.54	10TH TSP	+20.32
		10/95	C/L Speci	VOL		0.71	10TH TSP	+2.08
26	77	10/95	Bobbin	WAR	11	1.82	13TH TSP	+0.00
26	86	10/95	Bobbin	ODI	11	0.79	14TH TSP	+13.30
		10/95	C/L Speci	VOL		0.91	14TH TSP	+13.37
26	88	10/95	Bobbin	ODI	27	0.22	9TH TSP	-1.53
		10/95	Bobbin	ODI	3	0.70	11TH TSP	+17.44
26	90	10/95	Bobbin	ODI	2	1.51	14TH TSP	+6.81
26	95	10/95	Bobbin	ODI	19	0.42	10TH TSP	+29.98
26	96	10/95	Bobbin	ADI		1.17	13TH TSP	+7.89
26	105	10/95	Bobbin	ODI	25	0.20	8TH TSP	-0.53
27	18	10/95	Bobbin	ADI		0.72	7TH TSP	+22.60
		10/95	Bobbin	ADI		1.47	1ST TSP	+2.61
		10/95	Bobbin	ADI		2.12	1ST TSP	+24.85
		10/95	Bobbin	ADI		2.18	6TH TSP	+9.63
		10/95	Bobbin	ADI		1.45	10TH TSP	+16.54
		10/95	Bobbin	ADI		3.44	13TH TSP	+15.75
		10/95	H/L Speci	VOL		0.97	6TH TSP	+9.96
		10/95	H/L Speci	VOL		1.49	1ST TSP	+24.04
		10/95	C/L Speci	VOL		1.03	10TH TSP	+14.58
		10/95	C/L Speci	VOL		1.37	13TH TSP	+14.92
27	19	10/95	Bobbin	NQI		0.55	11TH TSP	+8.26
27	20	10/95	Bobbin	ODI	14	0.32	7TH TSP	+21.30
		10/95	Bobbin	ODI	33	0.90	7TH TSP	+20.23
27	24	10/95	Bobbin	ODI	24	0.60	16TH TSP	+14.64
27	31	10/95	Bobbin	ODI	7	0.54	10TH TSP	+36.23
27	32	10/95	Bobbin	ADI		1.15	11TH TSP	+23.58
		10/95	C/L Speci	VOL		0.95	11TH TSP	+22.97
27	34	10/95	Bobbin	ODI	5	1.14	7TH TSP	+37.73
		10/95	Bobbin	ODI	7	2.52	10TH TSP	+27.75
27	43	10/95	Bobbin	ODI	20	0.86	7TH TSP	+8.37
27	49	10/95	Bobbin	ODI	20	1.23	7TH TSP	+7.26
27	81	10/95	Bobbin	ODI	3	0.43	7TH TSP	+34.59
		10/95	H/L Speci	VOL		0.44	8TH TSP	-9.11
27	83	10/95	Bobbin	ODI	16	0.23	8TH TSP	+0.67
27	84	10/95	Bobbin	ODI	3	1.19	10TH TSP	+43.30
27	85	10/95	Bobbin	ODI	29	0.23	16TH TSP	+13.08
27	87	10/95	Bobbin	ODI	34	0.51	5TH TSP	+24.93
27	92	10/95	Bobbin	ODI	15	0.61	10TH TSP	+8.62
27	93	10/95	Bobbin	ODI	3	0.35	10TH TSP	+40.13
27	94	10/95	Bobbin	NQI		0.25	7TH TSP	+40.86
		10/95	Bobbin	ODI	6	0.25	7TH TSP	+39.88
27	96	10/95	Bobbin	NQI		0.19	10TH TSP	+35.07
27	98	10/95	Bobbin	ODI	2	0.45	7TH TSP	+40.73
		10/95	Bobbin	ODI	17	0.36	7TH TSP	+38.58
		10/95	Bobbin	ODI	22	0.95	10TH TSP	+38.49
27	99	10/95	Bobbin	ODI	8	0.31	10TH TSP	+36.50
27	102	10/95	Bobbin	NQI		0.30	7TH TSP	+22.70
		10/95	Bobbin	ODI	35	1.66	7TH TSP	+28.18
		10/95	Bobbin	ODI	25	0.28	10TH TSP	+41.36
		10/95	H/L Speci	VOL		1.36	7TH TSP	+28.24
		10/95	H/L Speci	VOL		2.06	7TH TSP	+28.27
27	103	10/95	Bobbin	ODI	9	0.69	4TH TSP	+24.10
27	104	10/95	Bobbin	NQI		0.58	13TH TSP	+16.13
		10/95	C/L Speci	VOL		0.59	13TH TSP	+16.22
27	105	10/95	Bobbin	NQI		2.57	8TH TSP	-1.14
27	106	10/95	Bobbin	ODI	17	0.44	8TH TSP	-1.45
		10/95	Bobbin	ODI	20	0.67	10TH TSP	+41.16
27	107	10/95	Bobbin	ODI	7	0.68	8TH TSP	-0.87
28	9	10/95	Bobbin	ODI	16	1.79	15TH TSP	+8.22
		10/95	C/L Speci	VOL		1.20	15TH TSP	+8.07
28	15	10/95	Bobbin	ADI		2.85	6TH TSP	+29.80
		10/95	Bobbin	ODI	21	0.89	6TH TSP	+32.86
		10/95	H/L Speci	VOL		1.58	6TH TSP	+30.56
28	18	10/95	Bobbin	ODI	12	0.53	7TH TSP	+22.56

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

28	20	10/95	Bobbin	NQI		0.71	9TH TSP	+0.44
		10/95	Bobbin	ODI	10	0.38	10TH TSP	+27.36
28	25	10/95	Bobbin	NQI		0.15	11TH TSP	+32.24
28	26	10/95	Bobbin	ODI	22	0.39	10TH TSP	+40.43
28	34	10/95	Bobbin	ADI		1.05	12TH TSP	+13.07
		10/95	Bobbin	NQI		0.17	10TH TSP	+39.69
		10/95	C/L Speci	VOL		0.89	12TH TSP	+12.24
28	37	10/95	Bobbin	NQI		0.27	6TH TSP	+40.16
		10/95	Bobbin	NQI		0.36	7TH TSP	+34.72
		10/95	Bobbin	NQI		0.20	10TH TSP	+39.29
		10/95	Bobbin	ODI	8	0.31	9TH TSP	-0.62
		10/95	Bobbin	ODI	18	0.83	7TH TSP	+16.97
		10/95	Bobbin	ODI	20	0.37	7TH TSP	+31.12
		10/95	Bobbin	ODI	39	0.35	7TH TSP	+24.12
28	39	10/95	Bobbin	ODI	11	0.53	7TH TSP	+33.39
		10/95	Bobbin	ODI	5	0.39	10TH TSP	+40.87
		10/95	Bobbin	ODI	6	0.68	10TH TSP	+44.20
		10/95	Bobbin	ODI	9	0.26	10TH TSP	+41.42
28	40	10/95	Bobbin	ODI	2	1.37	7TH TSP	+38.21
		10/95	Bobbin	ODI	24	0.18	7TH TSP	+37.04
28	42	10/95	Bobbin	ADI		2.08	10TH TSP	+38.43
		10/95	C/L Speci	VOL		1.97	9TH TSP	-7.44
28	45	10/95	Bobbin	ODI	21	1.00	5TH TSP	+25.13
		10/95	Bobbin	ODI	22	1.45	5TH TSP	+8.17
		10/95	Bobbin	ODI	14	0.58	14TH TSP	+2.44
		10/95	H/L Speci	VOL		0.58	5TH TSP	+24.74
		10/95	H/L Speci	VOL		1.28	5TH TSP	+7.81
28	48	10/95	Bobbin	NQI		0.78	17TH TSP	+15.14
		10/95	Bobbin	NQI		0.81	13TH TSP	+36.55
		10/95	Bobbin	ODI	30	0.95	5TH TSP	+6.82
		10/95	Bobbin	ODI	38	0.65	7TH TSP	+39.14
		10/95	Bobbin	ODI	38	0.75	12TH TSP	+38.84
		10/95	H/L Speci	VOL		0.45	8TH TSP	-4.18
		10/95	C/L Speci	VOL		1.03	12TH TSP	-7.59
		10/95	C/L Speci	VOL		1.30	11TH TSP	-5.48
		10/95	C/L Speci	VOL		1.30	12TH TSP	-6.67
		10/95	C/L Speci	VOL		1.33	16TH TSP	-2.96
28	53	10/95	Bobbin	ODI	14	0.35	18TH TSP	+2.43
		10/95	Bobbin	ODI	26	0.52	18TH TSP	+3.57
28	60	10/95	Bobbin	ODI	6	0.36	11TH TSP	+23.88
28	63	10/95	Bobbin	ODI	17	0.62	TTS-HL	+6.04
		10/95	Bobbin	ODI	3	0.49	1ST TSP	+10.44
		10/95	Bobbin	ODI	10	0.47	7TH TSP	+18.11
28	67	10/95	Bobbin	ODI	11	0.95	5TH TSP	+29.36
28	68	10/95	Bobbin	NQI		0.19	10TH TSP	+44.32
28	72	10/95	Bobbin	NQI		0.46	6TH TSP	+9.01
		10/95	Bobbin	NQI		0.37	17TH TSP	+4.41
		10/95	Bobbin	ODI	23	0.88	6TH TSP	+6.31
		10/95	H/L Speci	VOL		0.32	6TH TSP	+9.12
		10/95	H/L Speci	VOL		0.58	6TH TSP	+6.43
		10/95	C/L Speci	VOL		0.23	17TH TSP	+5.06
28	74	10/95	Bobbin	NQI		0.83	10TH TSP	+7.26
		10/95	Bobbin	ODI	21	0.46	7TH TSP	+6.95
		10/95	Bobbin	ODI	25	0.44	10TH TSP	+16.55
		10/95	H/L Speci	VOL		0.38	7TH TSP	+7.10
		10/95	C/L Speci	VOL		0.53	10TH TSP	+7.05
28	78	10/95	Bobbin	ODI	4	1.33	13TH TSP	+24.80
		10/95	Bobbin	ODI	5	1.09	13TH TSP	+28.90
28	88	10/95	Bobbin	NQI		0.73	4TH TSP	+19.49
		10/95	Bobbin	ODI	18	1.18	13TH TSP	+23.39
		10/95	Bobbin	ODI	18	2.09	13TH TSP	+26.21
		10/95	H/L Speci	VOL		0.74	4TH TSP	+19.76
		10/95	C/L Speci	VOL		0.62	13TH TSP	+23.75
		10/95	C/L Speci	VOL		1.00	13TH TSP	+26.24
28	95	10/95	Bobbin	ODI	2	1.00	5TH TSP	+25.01

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S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
28	96	10/95	Bobbin	ODI	5	0.75	9TH TSP	-0.73
		10/95	Bobbin	ODI	17	0.96	16TH TSP	+9.67
28	99	10/95	Bobbin	ODI	11	0.36	7TH TSP	+40.46
		10/95	Bobbin	ODI	18	0.48	7TH TSP	+37.80
		10/95	Bobbin	ODI	15	0.74	10TH TSP	+33.41
28	100	10/95	Bobbin	NQI		0.25	7TH TSP	+35.88
		10/95	Bobbin	ODI	17	0.49	7TH TSP	+39.43
28	103	10/95	Bobbin	NQI		0.22	7TH TSP	+30.05
		10/95	H/L Speci	VOL		3.42	7TH TSP	+32.76
28	105	10/95	Bobbin	ODI	14	0.45	6TH TSP	+36.65
29	11	10/95	Bobbin	ODI	19	0.29	10TH TSP	+35.04
29	18	10/95	Bobbin	ODI	22	0.53	10TH TSP	+34.64
29	20	10/95	Bobbin	ODI	29	0.37	10TH TSP	+36.76
29	22	10/95	Bobbin	ADI		0.83	3RD TSP	+15.55
29	23	10/95	Bobbin	NQI		0.70	13TH TSP	+40.33
		10/95	C/L Speci	VOL		1.52	12TH TSP	-3.19
29	28	10/95	Bobbin	ODI	7	1.26	10TH TSP	+40.60
		10/95	Bobbin	ODI	20	0.75	10TH TSP	+32.60
		10/95	Bobbin	ODI	32	0.38	10TH TSP	+43.69
29	30	10/95	Bobbin	NQI		0.30	7TH TSP	+24.79
		10/95	Bobbin	ODI	14	0.25	10TH TSP	+43.39
		10/95	Bobbin	ODI	21	0.64	10TH TSP	+38.19
29	31	10/95	Bobbin	ODI	15	0.29	10TH TSP	+36.34
		10/95	Bobbin	ODI	35	0.35	10TH TSP	+28.11
29	32	10/95	Bobbin	ODI	9	0.56	7TH TSP	+37.99
		10/95	Bobbin	ODI	8	0.63	10TH TSP	+36.32
		10/95	Bobbin	ODI	21	0.43	10TH TSP	+35.21
29	40	10/95	Bobbin	NQI		0.25	10TH TSP	+40.70
		10/95	Bobbin	ODI	11	0.65	7TH TSP	+32.73
		10/95	Bobbin	ODI	22	0.33	10TH TSP	+38.11
		10/95	C/L Speci	VOL		0.44	9TH TSP	-5.47
29	48	10/95	Bobbin	ODI	14	1.00	8TH TSP	-1.50
29	52	10/95	Bobbin	ODI	14	0.94	1ST TSP	+15.44
		10/95	H/L Speci	VOL		1.26	1ST TSP	+15.78
29	53	10/95	Bobbin	ODI	36	0.85	13TH TSP	+34.91
		10/95	C/L Speci	VOL		0.89	12TH TSP	-8.48
29	54	10/95	Bobbin	ODI	9	0.50	10TH TSP	+43.80
29	61	10/95	Bobbin	NQI		0.58	10TH TSP	+44.11
		10/95	Bobbin	ODI	18	1.04	14TH TSP	+1.07
29	78	10/95	Bobbin	NQI		0.96	5TH TSP	+2.73
		10/95	H/L Speci	VOL		1.53	5TH TSP	+2.55
29	82	10/95	Bobbin	ODI	3	1.48	17TH TSP	+4.21
29	84	10/95	Bobbin	NQI		0.27	10TH TSP	+19.66
		10/95	C/L Speci	VOL		0.26	10TH TSP	+18.64
29	92	10/95	Bobbin	NQI		0.12	12TH TSP	+9.43
29	94	10/95	Bobbin	ODI	11	0.73	10TH TSP	+20.39
		10/95	C/L Speci	VOL		0.27	10TH TSP	+19.50
29	95	10/95	Bobbin	ODI	9	0.70	3RD TSP	+12.15
29	99	10/95	Bobbin	NQI		1.08	7TH TSP	+34.31
		10/95	Bobbin	ODI	9	0.53	3RD TSP	+2.85
29	100	10/95	Bobbin	ODI	22	0.46	TTS-CL	+3.00
		10/95	Bobbin	ODI	15	1.53	6TH TSP	+6.35
		10/95	Bobbin	ODI	10	0.85	17TH TSP	+4.37
		10/95	Bobbin	ODI	17	0.85	14TH TSP	+8.01
29	104	10/95	Bobbin	NQI		0.35	7TH TSP	+9.82
		10/95	Bobbin	ODI	10	0.39	7TH TSP	+29.47
		10/95	H/L Speci	VOL		1.08	7TH TSP	+8.28
30	10	10/95	Bobbin	ODI	18	0.59	14TH TSP	+2.55
30	11	10/95	Bobbin	ODI	21	0.45	7TH TSP	+23.89
30	12	10/95	Bobbin	ODI	10	0.35	15TH TSP	+5.92
		10/95	Bobbin	ODI	12	0.95	10TH TSP	+42.09
30	13	10/95	Bobbin	NQI		0.33	12TH TSP	+11.11
		10/95	Bobbin	ODI	8	0.60	11TH TSP	+31.00
		10/95	C/L Speci	VOL		0.95	12TH TSP	+10.89
30	15	10/95	Bobbin	ODI	24	0.47	18TH TSP	+12.08

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
30	17	10/95	Bobbin	ODI	10	1.02	12TH TSP	+14.21
30	18	10/95	Bobbin	NQI		0.35	10TH TSP	+36.73
		10/95	Bobbin	ODI	14	0.25	3RD TSP	+19.68
		10/95	Bobbin	ODI	19	0.43	6TH TSP	+10.48
		10/95	Bobbin	ODI	26	0.32	3RD TSP	+12.86
		10/95	Bobbin	ODI	8	0.43	14TH TSP	+12.87
		10/95	Bobbin	ODI	13	0.17	11TH TSP	+29.23
30	19	10/95	Bobbin	ODI	12	0.33	12TH TSP	+38.59
30	23	10/95	Bobbin	ODI	36	0.17	9TH TSP	-1.37
30	28	10/95	Bobbin	ODI	28	0.50	16TH TSP	+12.79
30	29	10/95	Bobbin	ODI	18	0.77	9TH TSP	+1.35
		10/95	Bobbin	ODI	20	0.75	10TH TSP	+38.68
		10/95	Bobbin	ODI	24	0.22	13TH TSP	+15.33
30	31	10/95	Bobbin	ADI		0.86	19TH TSP	+3.67
		10/95	Bobbin	ODI	7	0.27	10TH TSP	+39.91
		10/95	C/L Speci	VOL		1.21	18TH TSP	-6.70
30	33	10/95	Bobbin	ODI	8	0.31	7TH TSP	+40.52
30	34	10/95	Bobbin	ODI	5	0.66	10TH TSP	+28.92
		10/95	Bobbin	ODI	28	0.27	10TH TSP	+27.80
30	35	10/95	Bobbin	ODI	22	0.28	7TH TSP	+40.88
30	36	10/95	Bobbin	ODI	24	0.26	7TH TSP	+39.33
		10/95	Bobbin	ODI	9	0.71	13TH TSP	+32.50
30	37	10/95	Bobbin	ODI	31	0.49	7TH TSP	+9.12
30	41	10/95	Bobbin	ODI	7	1.04	13TH TSP	+4.84
30	48	10/95	Bobbin	ODI	30	0.41	1ST TSP	+14.58
30	56	10/95	Bobbin	ODI	5	1.06	6TH TSP	+29.50
		10/95	Bobbin	ODI	6	0.55	12TH TSP	+1.71
		10/95	Bobbin	ODI	10	1.11	13TH TSP	+15.69
		10/95	Bobbin	ODI	24	0.36	13TH TSP	+28.00
		10/95	Bobbin	ODI	38	0.29	11TH TSP	+9.94
30	61	10/95	Bobbin	ODI	16	0.52	12TH TSP	+7.12
		10/95	C/L Speci	VOL		0.71	12TH TSP	+21.49
30	62	10/95	Bobbin	ODI	20	0.21	10TH TSP	+35.01
30	65	10/95	Bobbin	ODI	24	0.29	10TH TSP	+41.95
		10/95	Bobbin	ODI	38	0.22	10TH TSP	+38.65
30	66	10/95	Bobbin	ODI	11	0.46	14TH TSP	+14.51
		10/95	Bobbin	ODI	18	0.93	14TH TSP	+9.10
30	68	10/95	Bobbin	ODI	20	0.41	1ST TSP	+22.83
		10/95	Bobbin	ODI	4	0.75	11TH TSP	+21.82
		10/95	Bobbin	ODI	20	0.30	10TH TSP	+41.34
30	79	10/95	Bobbin	ODI	19	0.17	6TH TSP	+34.68
		10/95	Bobbin	ODI	26	0.58	15TH TSP	+7.02
		10/95	Bobbin	ODI	32	0.55	11TH TSP	+6.05
30	80	10/95	Bobbin	ODI	5	0.27	11TH TSP	+20.19
		10/95	Bobbin	ODI	14	0.23	13TH TSP	+27.03
30	83	10/95	Bobbin	ODI	20	1.72	5TH TSP	+28.12
		10/95	Bobbin	ODI	23	2.00	5TH TSP	+33.69
		10/95	Bobbin	ODI	29	0.89	5TH TSP	+29.93
30	88	10/95	Bobbin	ODI	24	0.97	12TH TSP	+27.39
30	96	10/95	Bobbin	NQI		0.37	10TH TSP	+10.01
		10/95	Bobbin	ODI	21	0.90	4TH TSP	+31.95
30	103	10/95	Bobbin	NQI		1.28	6TH TSP	+29.20
		10/95	Bobbin	NQI		2.53	15TH TSP	+12.98
30	105	10/95	Bobbin	ODI	12	0.36	11TH TSP	+10.88
31	13	10/95	Bobbin	ODI	11	0.25	10TH TSP	+43.60
31	16	10/95	Bobbin	ADI		1.44	10TH TSP	+17.64
31	18	10/95	Bobbin	ODI	14	0.68	10TH TSP	+35.83
31	22	10/95	Bobbin	ODI	20	0.34	7TH TSP	+33.59
31	33	10/95	Bobbin	NQI		0.16	7TH TSP	+29.45
		10/95	Bobbin	NQI		0.30	10TH TSP	+24.88
		10/95	Bobbin	ODI	22	0.41	7TH TSP	+23.31
		10/95	Bobbin	ODI	24	0.49	7TH TSP	+24.19
		10/95	Bobbin	ODI	30	0.75	7TH TSP	+30.56
		10/95	Bobbin	ODI	36	0.65	7TH TSP	+19.79
31	34	10/95	Bobbin	ADI		0.96	12TH TSP	+11.15

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	21	0.37	10TH TSP	+37.51
		10/95	C/L Speci	VOL		1.23	12TH TSP	+10.61
31	35	10/95	Bobbin	ODI	18	1.61	19TH TSP	+4.57
		10/95	Bobbin	ODI	28	0.60	12TH TSP	+39.52
31	36	10/95	Bobbin	ODI	5	0.82	10TH TSP	+21.63
		10/95	Bobbin	ODI	34	0.15	10TH TSP	+20.54
31	38	10/95	Bobbin	ODI	3	0.94	7TH TSP	+23.23
31	40	10/95	Bobbin	ODI	21	0.28	7TH TSP	+26.72
31	42	10/95	Bobbin	ODI	11	0.36	7TH TSP	+14.63
		10/95	Bobbin	ODI	27	0.27	8TH TSP	-1.24
		10/95	Bobbin	ODI	16	0.47	10TH TSP	+44.44
		10/95	Bobbin	ODI	5	0.88	10TH TSP	+33.00 to +34.90
31	44	10/95	Bobbin	NQI		1.07	16TH TSP	+13.51
		10/95	C/L Speci	VOL		1.36	15TH TSP	-4.86
31	48	10/95	Bobbin	ODI	8	1.36	7TH TSP	+14.35
31	51	10/95	Bobbin	ODI	7	0.28	7TH TSP	+41.44
31	52	10/95	Bobbin	ODI	11	1.04	7TH TSP	+15.97
		10/95	Bobbin	ODI	20	0.26	7TH TSP	+2.85
31	53	10/95	Bobbin	ODI	11	0.38	10TH TSP	+43.56
31	55	10/95	Bobbin	ODI	15	0.83	5TH TSP	+18.19
		10/95	Bobbin	ODI	34	0.46	7TH TSP	+33.70
		10/95	H/L Speci	VOL		0.41	5TH TSP	+11.93
		10/95	H/L Speci	VOL		0.49	5TH TSP	+18.52
31	67	10/95	Bobbin	ODI	34	0.29	10TH TSP	+42.00
31	68	10/95	Bobbin	ODI	3	0.82	5TH TSP	+20.91
		10/95	Bobbin	ODI	36	0.27	10TH TSP	+43.97
31	73	10/95	Bobbin	NQI		0.24	11TH TSP	+10.81
		10/95	Bobbin	ODI	19	1.07	15TH TSP	+13.19
31	74	10/95	Bobbin	ADI		1.11	12TH TSP	+7.98
31	75	10/95	Bobbin	ODI	11	1.55	11TH TSP	+14.81
31	81	10/95	Bobbin	ADI		4.64	11TH TSP	+27.17
		10/95	Bobbin	ODI	14	0.55	7TH TSP	+5.39
		10/95	Bobbin	ODI	33	1.34	11TH TSP	+25.93
		10/95	C/L Speci	VOL		1.02	11TH TSP	+26.95
		10/95	C/L Speci	VOL		1.23	11TH TSP	+25.94
31	82	10/95	Bobbin	ADI		2.61	3RD TSP	+10.30
		10/95	Bobbin	ODI	10	0.53	7TH TSP	+18.62
		10/95	Bobbin	ODI	32	0.91	1ST TSP	+9.83
		10/95	Bobbin	ODI	10	0.79	14TH TSP	+8.95
		10/95	H/L Speci	VOL		1.33	3RD TSP	+10.53
		10/95	H/L Speci	VOL		1.35	3RD TSP	+8.23
31	92	10/95	Bobbin	ODI	17	0.87	9TH TSP	-0.58
31	94	10/95	Bobbin	NQI		0.38	10TH TSP	+42.58
		10/95	Bobbin	ODI	17	0.35	7TH TSP	+29.32
31	96	10/95	Bobbin	ODI	9	1.92	4AVB	+3.09
31	97	10/95	Bobbin	ODI	5	0.68	TTS-CL	+3.92
31	99	10/95	Bobbin	ODI	3	0.51	6TH TSP	+34.59
		10/95	Bobbin	ODI	11	1.39	10TH TSP	+9.62
		10/95	Bobbin	ODI	13	0.79	19TH TSP	+6.72
		10/95	Bobbin	ODI	13	1.39	13TH TSP	+26.79
31	103	10/95	Bobbin	WAR	22	0.70	2AVB	+0.00
31	104	10/95	Bobbin	ODI	22	0.63	19TH TSP	+1.48
		10/95	Bobbin	ODI	26	0.43	19TH TSP	+3.97
		10/95	Bobbin	ODI	37	0.61	19TH TSP	+3.37
		10/95	C/L Speci	VOL		0.36	19TH TSP	+3.42
32	13	10/95	Bobbin	ODI	27	0.48	15TH TSP	+4.36
32	34	10/95	Bobbin	ODI	15	0.78	11TH TSP	+32.26
32	38	10/95	Bobbin	NQI		0.16	6TH TSP	+22.45
		10/95	Bobbin	ODI	7	0.24	6TH TSP	+23.53
32	40	10/95	Bobbin	NQI		0.34	12TH TSP	+26.43
32	45	10/95	Bobbin	NQI		0.74	3RD TSP	+14.22
		10/95	H/L Speci	VOL		1.04	3RD TSP	+14.04
32	48	10/95	Bobbin	NQI		0.29	7TH TSP	+22.01
		10/95	Bobbin	ODI	28	0.31	7TH TSP	+33.52
32	55	10/95	Bobbin	ODI	9	0.79	10TH TSP	+26.19

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

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ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
32	63	10/95	Bobbin	ADI		1.04	11TH TSP	+29.34
		10/95	Bobbin	ODI	9	0.21	15TH TSP	+15.87
32	70	10/95	Bobbin	NQI		0.59	13TH TSP	+18.33
		10/95	C/L Spec	VOL		0.24	13TH TSP	+17.84
32	77	10/95	Bobbin	ODI	1	1.00	12TH TSP	+34.68
32	79	10/95	Bobbin	ADI		5.14	7TH TSP	+32.39
		10/95	Bobbin	ADI		2.51	12TH TSP	+12.27
		10/95	Bobbin	ADI		0.68	17TH TSP	+5.81 to +11.23
		10/95	C/L Spec	VOL		0.45	12TH TSP	+12.44
		10/95	C/L Spec	VOL		0.54	17TH TSP	+5.81 to +11.23
32	80	10/95	Bobbin	ODI	30	0.21	7TH TSP	+20.97
32	81	10/95	Bobbin	ODI	4	0.58	13TH TSP	+29.15
32	82	10/95	Bobbin	NQI		0.23	12TH TSP	+35.90
		10/95	Bobbin	ODI	18	0.24	12TH TSP	+31.98
		10/95	C/L Spec	VOL		1.84	11TH TSP	-8.33
32	83	10/95	Bobbin	ODI	16	0.44	2ND TSP	+27.49
		10/95	Bobbin	ODI	10	0.48	16TH TSP	+13.23
32	87	10/95	Bobbin	ODI	23	0.45	4TH TSP	+26.28
32	88	10/95	Bobbin	ADI		1.27	12TH TSP	+33.59
		10/95	C/L Spec	VOL		0.38	11TH TSP	-10.03
32	89	10/95	Bobbin	ODI	33	0.95	12TH TSP	+8.96
32	90	10/95	Bobbin	ODI	13	0.87	4TH TSP	+32.62
32	94	10/95	Bobbin	ODI	6	0.69	14TH TSP	+7.49
32	97	10/95	Bobbin	ODI	12	1.00	7TH TSP	+35.63
32	100	10/95	Bobbin	ODI	5	0.36	12TH TSP	+22.74
32	103	10/95	Bobbin	NQI		0.97	7TH TSP	+34.25
		10/95	Bobbin	ODI	18	0.38	10TH TSP	+36.48
33	12	10/95	Bobbin	ADI		1.57	11TH TSP	+7.94
		10/95	Bobbin	ODI	3	0.53	4TH TSP	+34.59
		10/95	Bobbin	ODI	15	0.80	11TH TSP	+6.65
33	15	10/95	Bobbin	ODI	18	0.54	2ND TSP	+8.05
33	17	10/95	Bobbin	ODI	20	1.19	15TH TSP	+2.12
		10/95	C/L Spec	VOL		2.28	15TH TSP	+2.10
33	22	10/95	Bobbin	ADI		1.77	7TH TSP	+28.10
		10/95	H/L Spec	VOL		0.88	8TH TSP	-14.30
33	23	10/95	Bobbin	ODI	28	0.32	10TH TSP	+33.79
33	24	10/95	Bobbin	ODI	31	0.65	13TH TSP	+40.93
33	25	10/95	Bobbin	ODI	6	0.82	10TH TSP	+36.32
33	28	10/95	Bobbin	ODI	1	0.70	18TH TSP	+1.47
		10/95	Bobbin	ODI	1	0.93	18TH TSP	+2.53
		10/95	Bobbin	ODI	7	0.41	18TH TSP	+3.00
		10/95	Bobbin	ODI	16	0.51	18TH TSP	+4.05
		10/95	Bobbin	ODI	17	0.54	10TH TSP	+42.78
33	36	10/95	Bobbin	ODI	20	0.57	10TH TSP	+36.63
33	40	10/95	Bobbin	ODI	2	0.45	14TH TSP	+7.35
33	41	10/95	Bobbin	ODI	17	1.07	10TH TSP	+14.42
33	42	10/95	Bobbin	ODI	11	0.70	3RD TSP	+7.70
		10/95	Bobbin	ODI	11	1.28	2ND TSP	+34.22
33	44	10/95	Bobbin	ODI	12	1.26	16TH TSP	+5.46
33	47	10/95	Bobbin	ODI	10	0.93	14TH TSP	+9.23
33	59	10/95	Bobbin	ODI	34	0.21	7TH TSP	+21.65
33	61	10/95	Bobbin	ODI	31	0.42	9TH TSP	-0.16
		10/95	Bobbin	ODI	32	0.35	10TH TSP	+33.82
33	63	10/95	Bobbin	ADI		1.21	2ND TSP	+4.87
		10/95	H/L Spec	VOL		1.10	2ND TSP	+4.89
33	70	10/95	Bobbin	ODI	8	0.34	10TH TSP	+26.37
33	80	10/95	Bobbin	ADI		1.04	15TH TSP	+15.47
		10/95	C/L Spec	VOL		1.04	14TH TSP	-2.85
33	82	10/95	Bobbin	ODI	28	1.34	4AVB	+19.62
		10/95	Bobbin	ODI	5	0.77	15TH TSP	+3.57
33	93	10/95	Bobbin	WAR	14	0.39	2AVB	+0.00
33	102	10/95	Bobbin	ODI	36	0.20	10TH TSP	+22.82
34	13	10/95	Bobbin	ODI	5	0.85	4AVB	+7.35
		10/95	Bobbin	ADI		2.00	18TH TSP	+3.57
		10/95	C/L Spec	VOL		1.47	18TH TSP	+3.05

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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34	14	10/95	Bobbin	ADI		1.06	7TH TSP	+20.50
		10/95	Bobbin	NQI		0.32	7TH TSP	-1.33
		10/95	Bobbin	ADI		0.15	11TH TSP	+34.84
		10/95	Bobbin	ODI	29	0.84	7TH TSP	+19.61
		10/95	Bobbin	ODI	18	0.46	11TH TSP	+34.28
34	15	10/95	Bobbin	ADI		1.67	2ND TSP	+24.21
34	16	10/95	Bobbin	ADI		1.02	11TH TSP	+29.86
		10/95	Bobbin	ODI	4	0.72	7TH TSP	+28.27
		10/95	Bobbin	ODI	5	0.91	7TH TSP	+29.35
		10/95	C/L Speci	VOL		0.84	11TH TSP	+28.49
34	17	10/95	Bobbin	ODI	6	0.34	7TH TSP	+25.44
		10/95	Bobbin	ODI	27	0.42	10TH TSP	+34.54
34	18	10/95	Bobbin	ADI		2.48	2ND TSP	+33.81
		10/95	Bobbin	NQI		0.53	18TH TSP	+9.56
34	21	10/95	Bobbin	ODI	31	0.27	6TH TSP	+26.36
34	22	10/95	Bobbin	ADI		2.34	17TH TSP	+10.51
		10/95	Bobbin	ODI	9	1.15	10TH TSP	+17.15
		10/95	Bobbin	ODI	18	0.88	17TH TSP	+4.38
		10/95	C/L Speci	VOL		0.48	16TH TSP	-10.14
		10/95	C/L Speci	VOL		0.64	16TH TSP	-11.58
		10/95	C/L Speci	VOL		0.83	16TH TSP	-13.69
		10/95	C/L Speci	VOL		0.89	16TH TSP	-8.01
34	23	10/95	Bobbin	ODI	2	0.61	7TH TSP	+24.83
		10/95	Bobbin	ODI	2	0.91	10TH TSP	+35.15
		10/95	Bobbin	ODI	2	0.97	10TH TSP	+7.63
		10/95	Bobbin	ODI	8	0.49	10TH TSP	+33.02
		10/95	Bobbin	ODI	14	0.33	10TH TSP	+6.41
34	25	10/95	Bobbin	ODI	31	0.33	7TH TSP	+19.20
34	27	10/95	Bobbin	ODI	5	0.63	7TH TSP	+35.92
		10/95	Bobbin	ODI	27	0.30	7TH TSP	+34.83
34	34	10/95	Bobbin	ODI	13	0.77	16TH TSP	+14.05
		10/95	Bobbin	ODI	31	0.40	17TH TSP	+13.44
34	39	10/95	Bobbin	ODI	21	1.25	9TH TSP	+1.74
34	42	10/95	Bobbin	ODI	13	1.12	1ST TSP	+15.68
34	45	10/95	Bobbin	NQI		0.47	7TH TSP	+41.15
		10/95	Bobbin	ODI	23	0.93	10TH TSP	+11.36
34	52	10/95	Bobbin	ODI	23	1.27	2ND TSP	+33.55
34	55	10/95	Bobbin	ADI		0.53	6TH TSP	+39.18
		10/95	Bobbin	NQI		0.28	6TH TSP	+13.56
		10/95	Bobbin	NQI		0.40	6TH TSP	+35.64
		10/95	Bobbin	NQI		0.24	11TH TSP	+22.68
		10/95	Bobbin	ODI	7	0.33	6TH TSP	+14.69
		10/95	Bobbin	ODI	13	0.68	6TH TSP	+19.72
		10/95	Bobbin	ODI	27	0.70	6TH TSP	+35.35
		10/95	Bobbin	ODI	36	0.49	6TH TSP	+38.32
		10/95	Bobbin	ODI	9	0.74	10TH TSP	+37.74
		10/95	C/L Speci	VOL		1.22	11TH TSP	+24.56
34	61	10/95	Bobbin	ADI		4.88	2ND TSP	+12.79
34	63	10/95	Bobbin	ODI	12	0.76	2ND TSP	+10.76
34	69	10/95	Bobbin	WAR	22	1.01	2AVB	+0.00
34	70	10/95	Bobbin	ODI	4	0.43	7TH TSP	+33.96
		10/95	Bobbin	ODI	17	0.49	7TH TSP	+17.72
		10/95	Bobbin	ODI	27	0.34	7TH TSP	+1.18
		10/95	Bobbin	ODI	32	0.30	7TH TSP	+24.42
		10/95	Bobbin	ODI	8	0.39	10TH TSP	+30.26
		10/95	Bobbin	ODI	14	0.37	10TH TSP	+37.33
		10/95	Bobbin	ODI	26	0.25	10TH TSP	+39.01
34	85	10/95	Bobbin	ODI	4	1.78	12TH TSP	+4.66
34	96	10/95	Bobbin	ODI	5	2.02	17TH TSP	+8.70
34	100	10/95	Bobbin	ODI	13	0.87	15TH TSP	+7.04
35	15	10/95	Bobbin	ODI	25	0.78	7TH TSP	+26.86
		10/95	Bobbin	ODI	26	0.69	7TH TSP	+24.33
		10/95	Bobbin	ODI	34	0.22	7TH TSP	+20.56
35	16	10/95	Bobbin	WAR	8	0.27	3AVB	+0.00
		10/95	Bobbin	WAR	10	0.34	2AVB	+0.00

***** BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28 *****
 ***** Catawba Nuclear Station - Unit Two *****
 ***** S/G A *****
 ***** 10/95 RFO *****
 ***** Bobbin,C/L Special Interest,H/L Special Interest,H/L Tubesheet,U-Bend *****

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S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
35	19	10/95	Bobbin	NQI		0.55	9TH TSP	+0.76
		10/95	Bobbin	ODI	12	0.44	10TH TSP	+31.49
35	21	10/95	Bobbin	ADI		1.35	6TH TSP	+26.82
		10/95	Bobbin	ODI	11	1.58	12TH TSP	+19.80
		10/95	H/L Speci	VOL		0.63	7TH TSP	-16.21
35	25	10/95	Bobbin	ODI	36	0.38	7TH TSP	+16.75
35	26	10/95	Bobbin	ODI	14	0.67	1ST TSP	+26.37
		10/95	Bobbin	ODI	22	0.34	4TH TSP	+17.48
35	27	10/95	Bobbin	ADI		2.04	3RD TSP	+23.59
		10/95	H/L Speci	VOL		0.59	3RD TSP	+23.44
35	28	10/95	Bobbin	WAR	17	0.61	3AVB	+0.00
35	30	10/95	Bobbin	ODI	13	1.71	TTS-HL	+2.14
		10/95	Bobbin	NQI		0.25	10TH TSP	+33.39
35	32	10/95	Bobbin	NQI		1.07	11TH TSP	+35.44
		10/95	Bobbin	ODI	16	0.60	7TH TSP	+19.33
		10/95	Bobbin	ODI	28	0.60	11TH TSP	+37.64
		10/95	Bobbin	ODI	30	1.77	11TH TSP	+36.30
		10/95	C/L Speci	VOL		0.91	10TH TSP	-6.26
		10/95	C/L Speci	VOL		1.75	10TH TSP	-8.56
		10/95	C/L Speci	VOL		2.06	10TH TSP	-7.64
35	33	10/95	Bobbin	NQI		0.32	7TH TSP	+41.22
		10/95	Bobbin	ODI	20	0.49	7TH TSP	+40.23
35	36	10/95	Bobbin	ODI	12	0.44	7TH TSP	+33.35
35	42	10/95	Bobbin	ODI	10	1.20	1ST TSP	+24.29
35	51	10/95	Bobbin	NQI		0.29	7TH TSP	+38.00
		10/95	Bobbin	ODI	2	0.67	10TH TSP	+33.71
		10/95	Bobbin	ODI	13	0.42	10TH TSP	+33.40
		10/95	Bobbin	ODI	22	0.65	10TH TSP	+14.91
35	74	10/95	Bobbin	ADI		4.62	8TH TSP	+4.78
		10/95	U-Bend	VOL		1.07	8TH TSP	+4.75
		10/95	Bobbin	ADI		2.91	10TH TSP	+13.74
		10/95	C/L Speci	VOL		0.71	10TH TSP	+12.98
35	100	10/95	Bobbin	NQI		0.43	14TH TSP	+5.82
		10/95	Bobbin	ODI	16	0.64	7TH TSP	+30.20
		10/95	Bobbin	ODI	12	0.54	14TH TSP	+13.36
		10/95	Bobbin	ODI	16	1.41	14TH TSP	+7.24
		10/95	C/L Speci	VOL		1.02	14TH TSP	+7.39
35	101	10/95	Bobbin	ODI	2	0.84	10TH TSP	+36.56
36	20	10/95	Bobbin	NQI		0.24	8TH TSP	-1.21
		10/95	Bobbin	ODI	4	0.65	7TH TSP	+24.93
36	21	10/95	Bobbin	ODI	15	0.48	18TH TSP	+0.85
36	23	10/95	Bobbin	ADI		2.37	8TH TSP	+10.50
		10/95	U-Bend	VOL		0.76	8TH TSP	+9.66
36	27	10/95	Bobbin	ODI	8	0.52	11TH TSP	+15.22
		10/95	Bobbin	ODI	20	0.42	12TH TSP	+30.58
		10/95	Bobbin	ODI	25	0.31	11TH TSP	+29.06
		10/95	C/L Speci	VOL		1.02	11TH TSP	-12.40
		10/95	C/L Speci	VOL		1.60	11TH TSP	+15.45
36	31	10/95	Bobbin	ODI	19	0.42	7TH TSP	+11.12
36	32	10/95	Bobbin	ADI		1.58	17TH TSP	+13.89
		10/95	C/L Speci	VOL		0.66	16TH TSP	-4.79
36	43	10/95	Bobbin	ODI	5	1.08	6TH TSP	+21.86
36	52	10/95	Bobbin	ODI	7	0.74	11TH TSP	+22.58
		10/95	C/L Speci	VOL		0.70	11TH TSP	+23.15
36	59	10/95	Bobbin	ODI	23	0.23	7TH TSP	+29.76
		10/95	Bobbin	ODI	3	0.36	10TH TSP	+3.35
		10/95	Bobbin	ODI	5	0.47	10TH TSP	+17.59
36	68	10/95	Bobbin	ODI	5	0.57	7TH TSP	+15.81
36	79	10/95	Bobbin	ODI	20	0.43	10TH TSP	+41.41
		10/95	Bobbin	ODI	25	0.36	10TH TSP	+38.74
36	90	10/95	Bobbin	ADI		2.50	12TH TSP	+37.95
		10/95	C/L Speci	VOL		0.70	11TH TSP	-5.87
36	91	10/95	Bobbin	ODI	2	0.33	10TH TSP	+35.67
36	98	10/95	Bobbin	ODI	5	0.28	8TH TSP	+0.66
		10/95	Bobbin	ODI	11	0.29	6TH TSP	+19.23

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

36	100	10/95	Bobbin	NQI		0.24	7TH TSP	+36.20
		10/95	Bobbin	ODI	12	1.17	7TH TSP	+27.44
		10/95	Bobbin	ODI	12	0.49	10TH TSP	+42.86
37	17	10/95	Bobbin	ODI	8	0.66	2ND TSP	+1.55
37	19	10/95	Bobbin	ODI	7	1.37	12TH TSP	+18.93
		10/95	C/L Speci	VOL		0.49	12TH TSP	+19.18
37	22	10/95	Bobbin	ODI	12	0.75	15TH TSP	+11.72
		10/95	Bobbin	ODI	14	0.97	12TH TSP	+15.55
		10/95	C/L Speci	VOL		0.76	12TH TSP	+15.92
		10/95	C/L Speci	VOL		1.40	14TH TSP	-6.28
37	23	10/95	Bobbin	ODI	2	0.31	11TH TSP	+12.25
		10/95	Bobbin	ODI	20	2.84	12TH TSP	+17.56
		10/95	Bobbin	ODI	26	0.61	10TH TSP	+30.54
		10/95	Bobbin	ODI	28	0.39	12TH TSP	+39.41
		10/95	Bobbin	ODI	31	0.66	12TH TSP	+32.08
37	25	10/95	Bobbin	ODI	5	0.51	11TH TSP	+36.43
37	31	10/95	Bobbin	ODI	2	0.76	19TH TSP	+5.93
		10/95	C/L Speci	VOL		0.54	19TH TSP	+6.29
37	37	10/95	Bobbin	ODI	4	0.46	3RD TSP	+16.20
37	42	10/95	Bobbin	ODI	5	0.44	17TH TSP	+12.61
37	44	10/95	Bobbin	ADI		1.15	12TH TSP	+32.92
		10/95	C/L Speci	VOL		0.41	11TH TSP	-10.65
37	49	10/95	U-Bend	VOL		2.11	9TH TSP	+16.59
		10/95	Bobbin	ODI	23	2.27	9TH TSP	+17.85
37	54	10/95	Bobbin	NQI		0.24	17TH TSP	-1.61
		10/95	C/L Speci	VOL		0.56	17TH TSP	-1.24
37	56	10/95	Bobbin	ODI	37	0.45	5TH TSP	+26.47
		10/95	H/L Speci	VOL		0.75	5TH TSP	+26.18
37	62	10/95	Bobbin	ODI	22	0.25	6TH TSP	+25.84
37	65	10/95	Bobbin	ODI	31	1.06	1ST TSP	+24.71
37	66	10/95	Bobbin	ODI	34	0.36	3RD TSP	+10.66
		10/95	Bobbin	ODI	37	0.56	8TH TSP	-1.08
37	70	10/95	Bobbin	ODI	24	0.47	2ND TSP	+19.15
		10/95	Bobbin	ODI	25	0.34	10TH TSP	+38.56
37	71	10/95	Bobbin	NQI		0.76	2ND TSP	+13.70
		10/95	H/L Speci	VOL		1.50	2ND TSP	+13.64
37	90	10/95	Bobbin	NQI		0.31	10TH TSP	+39.91
37	99	10/95	Bobbin	NQI		0.17	7TH TSP	+29.43
		10/95	Bobbin	NQI		0.25	7TH TSP	+27.51
		10/95	Bobbin	ODI	12	0.34	7TH TSP	+27.78
		10/95	Bobbin	ODI	24	0.28	7TH TSP	+11.09
		10/95	Bobbin	ODI	33	0.17	7TH TSP	+26.76
38	16	10/95	Bobbin	ODI	36	0.36	7TH TSP	+14.27
38	17	10/95	Bobbin	WAR	13	0.45	3AVB	+0.00
38	18	10/95	Bobbin	ODI	25	0.27	7TH TSP	+39.24
38	19	10/95	Bobbin	ODI	6	0.39	7TH TSP	+28.41
38	20	10/95	Bobbin	ODI	5	0.54	7TH TSP	+35.95
		10/95	Bobbin	ODI	31	0.71	7TH TSP	+36.87
		10/95	Bobbin	ODI	9	0.70	10TH TSP	+36.93
38	28	10/95	Bobbin	ODI	14	0.42	7TH TSP	+30.71
38	31	10/95	Bobbin	ODI	13	0.41	7TH TSP	+19.91
		10/95	Bobbin	ODI	20	0.35	7TH TSP	+10.74
38	35	10/95	Bobbin	ADI		2.16	17TH TSP	+11.76
		10/95	C/L Speci	VOL		2.15	16TH TSP	-7.63
38	36	10/95	Bobbin	ADI		1.61	17TH TSP	+14.22
		10/95	Bobbin	ADI		2.11	14TH TSP	+12.86
		10/95	Bobbin	ODI	14	0.71	13TH TSP	+5.34
		10/95	C/L Speci	VOL		0.73	16TH TSP	-4.49
		10/95	C/L Speci	VOL		1.39	13TH TSP	-5.64
38	38	10/95	Bobbin	ADI		2.05	14TH TSP	+13.95
		10/95	C/L Speci	VOL		0.69	13TH TSP	-5.61 to -2.99
38	41	10/95	Bobbin	ODI	2	1.76	10TH TSP	+23.84
38	44	10/95	Bobbin	ADI		2.33	4TH TSP	+30.02
		10/95	Bobbin	NQI		1.03	2ND TSP	+20.86
		10/95	H/L Speci	VOL		0.76	5TH TSP	-13.16

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		0.81	4TH TSP	-12.64	
38	46	10/95	Bobbin	NQI		0.27	18TH TSP	+1.19	
38	50	10/95	Bobbin	ODI	35	0.41	10TH TSP	+18.97	
		10/95	C/L Speci	VOL		1.05	10TH TSP	+18.29	
38	53	10/95	Bobbin	ODI	13	1.71	11TH TSP	+25.50	
38	55	10/95	Bobbin	NQI		0.34	6TH TSP	+34.65	
		10/95	Bobbin	ODI	17	0.36	6TH TSP	+35.61	
38	60	10/95	Bobbin	ODI	2	0.68	10TH TSP	+42.51	
38	64	10/95	Bobbin	ODI	29	0.58	5TH TSP	+27.59	
38	70	10/95	Bobbin	ODI	17	0.46	7TH TSP	+18.65	
38	74	10/95	Bobbin	ODI	3	0.47	10TH TSP	+41.04	
38	83	10/95	Bobbin	ODI	23	0.52	7TH TSP	+32.51	
38	84	10/95	Bobbin	ODI	37	0.24	9TH TSP	-1.00	
		10/95	C/L Speci	VOL		1.27	9TH TSP	-0.85	
38	90	10/95	Bobbin	ODI	12	0.34	8TH TSP	+0.03	
38	93	10/95	Bobbin	WAR	11	0.39	2AVB	+0.00	
38	96	10/95	Bobbin	WAR	21	0.95	2AVB	+0.00	
38	97	10/95	Bobbin	WAR	13	0.50	4AVB	+0.00	
		10/95	Bobbin	WAR	17	0.68	3AVB	+0.00	
		10/95	Bobbin	WAR	30	1.73	2AVB	+0.00	
		10/95	Bobbin	ODI	9	2.22	19TH TSP	+8.33	
		10/95	C/L Speci	VOL		0.53	18TH TSP	-1.98	
38	98	10/95	Bobbin	WAR	10	0.39	3AVB	+0.00	
		10/95	Bobbin	WAR	13	0.51	2AVB	+0.00	
39	21	10/95	Bobbin	ODI	11	0.38	10TH TSP	+37.70	
		10/95	Bobbin	ODI	18	0.25	10TH TSP	+38.14	
39	26	10/95	Bobbin	ODI	5	0.59	7TH TSP	+39.30	
		10/95	Bobbin	ODI	17	0.40	10TH TSP	+28.23	
39	31	10/95	Bobbin	ODI	4	0.67	6TH TSP	+20.49	
39	32	10/95	Bobbin	ODI	11	0.44	13TH TSP	+26.25	
39	37	10/95	Bobbin	ODI	35	0.44	6TH TSP	+24.38	
		10/95	H/L Speci	VOL		0.37	6TH TSP	+24.17	
39	42	10/95	Bobbin	ODI	18	0.49	10TH TSP	+33.95	
39	44	10/95	Bobbin	ODI	3	0.42	10TH TSP	+37.89	
		10/95	Bobbin	ODI	4	0.65	10TH TSP	+26.51	
		10/95	Bobbin	ODI	5	0.81	10TH TSP	+21.18	
		10/95	Bobbin	ODI	5	1.16	12TH TSP	+12.85	
39	46	10/95	Bobbin	ODI	27	0.54	13TH TSP	+11.41	
		10/95	Bobbin	NQI		0.59	10TH TSP	+22.02	to +24.71
		10/95	C/L Speci	VOL		1.24	10TH TSP	+19.62	to +23.07
39	49	10/95	Bobbin	ODI	31	0.40	7TH TSP	+22.56	
39	51	10/95	Bobbin	ODI	9	0.44	10TH TSP	+13.00	
39	53	10/95	Bobbin	ODI	10	0.45	3RD TSP	+3.67	
39	54	10/95	Bobbin	ODI	11	1.09	11TH TSP	+36.18	
39	60	10/95	Bobbin	ODI	35	0.52	10TH TSP	+36.02	
39	62	10/95	Bobbin	ODI	17	0.47	7TH TSP	+4.87	
39	66	10/95	Bobbin	ODI	22	0.82	8TH TSP	+1.59	
39	68	10/95	Bobbin	NQI		0.39	10TH TSP	+7.93	
39	76	10/95	Bobbin	NQI		0.57	2ND TSP	+1.67	
39	93	10/95	Bobbin	ODI	26	0.77	10TH TSP	+43.33	
40	18	10/95	Bobbin	WAR	27	1.01	3AVB	+0.00	
40	19	10/95	Bobbin	NQI		0.49	10TH TSP	+29.08	
		10/95	Bobbin	ODI	19	0.46	7TH TSP	+28.62	
		10/95	Bobbin	ODI	20	1.52	7TH TSP	+23.47	
		10/95	Bobbin	ODI	5	0.52	10TH TSP	+41.32	
		10/95	Bobbin	ODI	9	1.06	10TH TSP	+21.37	
		10/95	Bobbin	ODI	10	0.39	11TH TSP	+39.56	
		10/95	Bobbin	ODI	12	0.52	10TH TSP	+41.42	
		10/95	C/L Speci	VOL		0.68	10TH TSP	+26.75	to +28.94
		10/95	C/L Speci	VOL		1.14	10TH TSP	+40.91	to +42.19
40	22	10/95	Bobbin	ODI	18	0.88	14TH TSP	+3.36	
40	23	10/95	Bobbin	ODI	23	0.32	7TH TSP	+16.30	
40	26	10/95	Bobbin	NQI		0.28	7TH TSP	+24.00	
		10/95	H/L Speci	VOL		1.43	7TH TSP	+24.40	
40	27	10/95	Bobbin	ODI	3	0.66	6TH TSP	+18.45	

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	9	1.53	5TH TSP	+22.14	
40	28	10/95	Bobbin	ADI		1.90	12TH TSP	+16.20	
		10/95	Bobbin	ODI	31	0.41	10TH TSP	+36.04	
		10/95	C/L Speci	VOL		1.03	12TH TSP	+16.48	
40	31	10/95	Bobbin	ODI	29	0.42	7TH TSP	+2.90	
40	43	10/95	Bobbin	ODI	2	0.82	10TH TSP	+42.65	
		10/95	Bobbin	ODI	12	1.37	11TH TSP	+4.27	
40	44	10/95	Bobbin	ADI		0.67	16TH TSP	+2.20	
		10/95	H/L Tubes	VOL		1.23	TTS-HL	-0.12	
		10/95	C/L Speci	VOL		0.75	16TH TSP	+2.15	to +3.80
40	48	10/95	Bobbin	ODI	12	0.87	10TH TSP	+42.60	
		10/95	C/L Speci	VOL		3.41	9TH TSP	-0.88	
40	54	10/95	Bobbin	ODI	4	1.69	4AVB	+17.15	
		10/95	Bobbin	ODI	5	2.50	4AVB	+28.87	
		10/95	Bobbin	ODI	22	0.86	10TH TSP	+5.18	
40	60	10/95	Bobbin	NQI		0.17	7TH TSP	+31.63	
		10/95	Bobbin	ODI	35	0.34	7TH TSP	+31.80	
40	61	10/95	Bobbin	NQI		0.35	12TH TSP	+2.12	
		10/95	C/L Speci	VOL		0.48	12TH TSP	+2.46	
40	63	10/95	Bobbin	NQI		0.54	2ND TSP	+12.37	
		10/95	Bobbin	NQI		0.34	13TH TSP	+28.39	
40	68	10/95	Bobbin	ODI	28	0.34	7TH TSP	+20.84	
		10/95	Bobbin	ODI	12	0.64	10TH TSP	+30.68	
40	69	10/95	Bobbin	ODI	22	0.60	8TH TSP	+1.64	
40	70	10/95	Bobbin	NQI		0.83	9TH TSP	+1.45	
		10/95	Bobbin	ODI	34	0.40	7TH TSP	+17.52	
		10/95	Bobbin	ODI	35	0.55	8TH TSP	+1.80	
40	71	10/95	Bobbin	ODI	22	0.60	8TH TSP	+1.76	
40	79	10/95	Bobbin	ADI		2.04	9TH TSP	+12.28	
		10/95	U-Bend	VOL		6.94	9TH TSP	+11.35	
40	86	10/95	Bobbin	ODI	18	0.67	16TH TSP	+6.89	
40	91	10/95	Bobbin	ODI	5	1.52	6TH TSP	+8.24	
40	94	10/95	Bobbin	WAR	22	1.02	2AVB	+0.00	
40	95	10/95	U-Bend	VOL		0.57	4AVB	+0.00	
		10/95	U-Bend	VOL		1.22	2AVB	+0.00	
		10/95	Bobbin	WAR	14	0.56	4AVB	+0.00	
		10/95	Bobbin	WAR	20	0.90	2AVB	+0.00	
41	22	10/95	Bobbin	NQI		0.25	10TH TSP	+38.23	
		10/95	Bobbin	ODI	11	0.47	7TH TSP	+25.33	
		10/95	Bobbin	ODI	5	0.49	10TH TSP	+23.61	
		10/95	Bobbin	ODI	16	0.72	12TH TSP	+21.49	
		10/95	C/L Speci	VOL		0.69	9TH TSP	-6.50	
41	27	10/95	Bobbin	NQI		0.21	10TH TSP	+24.33	
		10/95	Bobbin	ODI	15	0.51	7TH TSP	+34.10	
		10/95	Bobbin	ODI	12	0.37	10TH TSP	+3.71	
		10/95	Bobbin	ODI	15	0.25	10TH TSP	+22.56	
41	31	10/95	Bobbin	ODI	4	1.21	7TH TSP	-1.27	
		10/95	Bobbin	ODI	13	0.41	7TH TSP	+20.25	
		10/95	Bobbin	ODI	25	0.55	6TH TSP	+40.94	
41	38	10/95	Bobbin	ODI	5	0.43	15TH TSP	+7.87	
41	45	10/95	Bobbin	ODI	18	0.89	12TH TSP	+1.40	
		10/95	C/L Speci	VOL		1.43	12TH TSP	+1.57	
41	54	10/95	Bobbin	ODI	23	0.32	7TH TSP	+10.96	
41	56	10/95	Bobbin	NQI		0.44	8TH TSP	+1.63	
		10/95	Bobbin	ODI	18	0.26	7TH TSP	+40.58	
41	59	10/95	Bobbin	NQI		0.21	1ST TSP	+26.00	
41	60	10/95	Bobbin	ODI	25	0.18	10TH TSP	+40.06	
41	63	10/95	Bobbin	ODI	11	0.34	6TH TSP	+15.21	
41	68	10/95	Bobbin	ODI	19	0.91	2ND TSP	+12.16	
41	81	10/95	Bobbin	WAR	15	0.45	3AVB	+0.00	
		10/95	Bobbin	WAR	20	0.64	2AVB	+0.00	
41	82	10/95	Bobbin	NQI		0.65	12TH TSP	+10.52	
41	83	10/95	Bobbin	WAR	11	0.33	3AVB	+0.00	
		10/95	Bobbin	WAR	12	0.36	2AVB	+0.00	
41	84	10/95	Bobbin	NQI		0.22	8TH TSP	-0.50	

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	NQI		1.92	8TH TSP	+0.71	
41	85	10/95	Bobbin	WAR	13	0.37	3AVB	+0.00	
41	90	10/95	Bobbin	WAR	10	0.29	3AVB	+0.00	
41	92	10/95	Bobbin	WAR	7	0.21	4AVB	+0.00	
		10/95	Bobbin	WAR	14	0.41	3AVB	+0.00	
41	93	10/95	Bobbin	ODI	7	0.42	11TH TSP	+39.27	
41	94	10/95	U-Bend	VOL		3.06	2AVB	+0.00	
		10/95	U-Bend	VOL		8.07	3AVB	+0.00	
		10/95	Bobbin	WAR	16	0.49	2AVB	+0.00	
		10/95	Bobbin	WAR	27	0.98	3AVB	+0.00	
42	21	10/95	Bobbin	ODI	24	0.82	13TH TSP	+20.28	
42	22	10/95	Bobbin	NQI		0.44	10TH TSP	+31.58	
		10/95	C/L Speci	VOL		0.64	9TH TSP	-14.01	
		10/95	C/L Speci	VOL		1.68	9TH TSP	-9.49	
		10/95	C/L Speci	VOL		3.13	9TH TSP	-13.01	
42	27	10/95	Bobbin	ODI	18	0.49	7TH TSP	+18.12	
42	30	10/95	Bobbin	ODI	11	0.60	7TH TSP	+15.46	
42	45	10/95	Bobbin	ODI	36	0.50	16TH TSP	+5.50	
42	53	10/95	Bobbin	ADI		3.86	4TH TSP	+26.04	
		10/95	Bobbin	ODI	9	0.28	10TH TSP	+6.65	
		10/95	H/L Speci	VOL		1.16	4TH TSP	+25.79	
42	54	10/95	Bobbin	ADI		2.51	17TH TSP	+5.02	
		10/95	Bobbin	ADI		4.26	15TH TSP	+7.97	
		10/95	C/L Speci	VOL		0.79	17TH TSP	+4.85	
		10/95	C/L Speci	VOL		1.44	15TH TSP	+7.50	
42	61	10/95	Bobbin	ODI	26	0.31	7TH TSP	+26.07	
42	62	10/95	Bobbin	ODI	24	0.30	7TH TSP	+8.51	
		10/95	H/L Speci	VOL		1.21	7TH TSP	+9.73	
42	64	10/95	Bobbin	NQI		0.67	7TH TSP	+25.20	
42	66	10/95	Bobbin	NQI		0.98	1ST TSP	+0.55	to +6.53
42	70	10/95	Bobbin	ADI		1.40	14TH TSP	+5.54	
		10/95	Bobbin	ODI	31	0.70	11TH TSP	+21.23	
42	75	10/95	Bobbin	NQI		0.69	17TH TSP	+3.06	
		10/95	Bobbin	NQI		0.73	12TH TSP	+13.98	
		10/95	C/L Speci	VOL		0.87	12TH TSP	+15.15	
		10/95	C/L Speci	VOL		0.95	17TH TSP	+3.35	
42	81	10/95	Bobbin	WAR	11	0.32	2AVB	+0.00	
42	82	10/95	Bobbin	NQI		0.19	10TH TSP	+22.01	
		10/95	Bobbin	ODI	8	0.29	7TH TSP	+31.79	
42	85	10/95	Bobbin	WAR	29	1.09	2AVB	+0.00	
42	91	10/95	Bobbin	WAR	12	0.36	3AVB	+0.00	
42	92	10/95	Bobbin	ODI	12	0.58	7TH TSP	+23.02	
		10/95	Bobbin	ODI	17	0.34	6TH TSP	+26.74	
		10/95	Bobbin	ODI	34	0.34	7TH TSP	+33.33	
43	29	10/95	Bobbin	ODI	10	0.68	8TH TSP	-0.58	
43	31	10/95	Bobbin	NQI		0.26	7TH TSP	+23.04	
		10/95	Bobbin	ODI	37	0.33	6TH TSP	+17.74	
43	39	10/95	Bobbin	ODI	22	0.53	3RD TSP	+3.14	
		10/95	Bobbin	ODI	34	0.28	7TH TSP	+39.21	
43	41	10/95	Bobbin	ODI	3	1.73	2ND TSP	+26.44	
43	49	10/95	Bobbin	ODI	11	1.45	11TH TSP	+24.56	
43	50	10/95	Bobbin	ODI	18	0.77	5TH TSP	+22.72	
43	55	10/95	Bobbin	ADI		2.18	4AVB	+28.15	
		10/95	Bobbin	NQI		0.57	4AVB	+17.49	
		10/95	U-Bend	VOL		0.63	4AVB	+25.99	
		10/95	U-Bend	VOL		0.88	4AVB	+18.63	
		10/95	U-Bend	VOL		0.95	4AVB	+16.20	
		10/95	Bobbin	ODI	27	1.24	4AVB	+20.35	
43	78	10/95	Bobbin	ODI	25	0.22	8TH TSP	-0.56	
43	86	10/95	Bobbin	ODI	23	0.84	2ND TSP	+24.26	
43	91	10/95	U-Bend	VOL		2.70	4AVB	+0.00	
		10/95	Bobbin	WAR	13	0.38	3AVB	+0.00	
		10/95	Bobbin	WAR	19	0.60	4AVB	+0.00	
44	23	10/95	Bobbin	WAR	10	0.30	2AVB	+0.00	
		10/95	Bobbin	WAR	11	0.33	4AVB	+0.00	

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

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S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	WAR	32	1.56	3AVB	+0.00
44	28	10/95	Bobbin	ODI	17	1.16	13TH TSP	+3.95
44	30	10/95	Bobbin	ODI	11	0.40	7TH TSP	+23.65
44	31	10/95	Bobbin	NQI		0.34	7TH TSP	+18.55
		10/95	H/L Speci	VOL		1.30	7TH TSP	+19.46
44	40	10/95	Bobbin	ODI	5	0.54	10TH TSP	+34.94
		10/95	Bobbin	ODI	12	2.29	17TH TSP	+8.12
44	41	10/95	Bobbin	ADI		1.46	12TH TSP	+6.76
		10/95	C/L Speci	VOL		0.44	12TH TSP	+6.48
44	43	10/95	Bobbin	NQI		0.23	6TH TSP	+18.33
44	46	10/95	Bobbin	ADI		1.89	5TH TSP	+13.07
		10/95	Bobbin	ODI	12	0.44	TTS-CL	+5.42
		10/95	Bobbin	ODI	14	0.38	TTS-CL	+4.30
		10/95	Bobbin	NQI		0.52	19TH TSP	+8.14
		10/95	Bobbin	ODI	37	0.27	11TH TSP	+25.53
		10/95	H/L Speci	VOL		1.61	5TH TSP	+13.38
		10/95	C/L Speci	VOL		0.63	18TH TSP	-0.57
		10/95	C/L Speci	VOL		0.85	11TH TSP	+25.74
		10/95	C/L Speci	VOL		0.97	19TH TSP	+8.57
44	47	10/95	Bobbin	ADI		3.33	13TH TSP	+20.39
		10/95	Bobbin	ODI	23	1.40	2ND TSP	+16.46
		10/95	C/L Speci	VOL		0.48	13TH TSP	+8.20
		10/95	C/L Speci	VOL		0.79	13TH TSP	+20.36
44	49	10/95	Bobbin	NQI		0.29	7TH TSP	+2.58
		10/95	Bobbin	NQI		0.29	7TH TSP	+38.73
		10/95	Bobbin	ODI	2	0.40	7TH TSP	+32.18
		10/95	Bobbin	ODI	2	0.47	5TH TSP	+37.26
		10/95	Bobbin	ODI	26	0.28	5TH TSP	+36.25
		10/95	Bobbin	ODI	29	0.36	7TH TSP	+27.59
		10/95	Bobbin	ODI	30	0.37	7TH TSP	+31.15
		10/95	Bobbin	ODI	32	0.30	6TH TSP	+17.38
		10/95	Bobbin	ODI	16	0.35	10TH TSP	+27.77
		10/95	Bobbin	ODI	16	0.55	10TH TSP	+28.60
		10/95	H/L Speci	VOL		0.62	7TH TSP	+2.42
44	51	10/95	Bobbin	ODI	32	0.34	7TH TSP	+22.09
44	60	10/95	Bobbin	ODI	16	0.49	7TH TSP	+28.32
44	61	10/95	Bobbin	NQI		1.28	11TH TSP	+2.47
		10/95	C/L Speci	VOL		1.08	11TH TSP	+2.69
44	62	10/95	Bobbin	ODI	6	1.50	7TH TSP	+36.40
		10/95	Bobbin	ODI	38	0.51	7TH TSP	+35.36
		10/95	Bobbin	ODI	4	0.49	10TH TSP	+41.98
44	63	10/95	Bobbin	ADI		1.27	6TH TSP	+38.89
44	66	10/95	Bobbin	ODI	1	4.25	4AVB	+17.22
		10/95	Bobbin	ADI		2.02	5TH TSP	+30.14
		10/95	Bobbin	NQI		0.80	9TH TSP	+2.13
		10/95	Bobbin	ADI		1.67	14TH TSP	+3.13
		10/95	Bobbin	ODI	23	0.49	8TH TSP	-1.16
		10/95	Bobbin	ODI	20	0.75	13TH TSP	+31.15
		10/95	H/L Speci	VOL		0.92	6TH TSP	-12.76
		10/95	C/L Speci	VOL		0.63	14TH TSP	+2.94
44	81	10/95	Bobbin	ADI		0.77	10TH TSP	+23.30
		10/95	C/L Speci	VOL		0.69	10TH TSP	+22.71
44	82	10/95	Bobbin	ODI	19	0.90	8TH TSP	-1.37
44	89	10/95	Bobbin	ADI		4.70	TTS-HL	+3.75
		10/95	H/L Speci	VOL		0.85	TTS-HL	+4.00
45	26	10/95	Bobbin	WAR	17	0.67	3AVB	+0.00
45	27	10/95	Bobbin	ODI	10	0.97	9TH TSP	+2.14
45	30	10/95	Bobbin	ADI		1.14	7TH TSP	+26.89
		10/95	Bobbin	ADI		2.11	8TH TSP	+25.58
		10/95	Bobbin	NQI		0.26	7TH TSP	+26.10
		10/95	U-Bend	VOL		0.52	8TH TSP	+24.47
		10/95	U-Bend	VOL		0.56	8TH TSP	+23.23
45	34	10/95	Bobbin	ODI	13	2.27	3RD TSP	+11.54
		10/95	Bobbin	ODI	21	0.33	15TH TSP	+26.05
45	36	10/95	Bobbin	NQI		0.43	13TH TSP	+7.45

BWNT TUBAN II (Version 2.1) 10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGA

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	C/L Speci	VOL		0.71	13TH TSP	+7.59
45	41	10/95	Bobbin	ODI	21	0.35	15TH TSP	+26.06
45	54	10/95	Bobbin	ODI	6	0.58	2ND TSP	+23.01
45	68	10/95	Bobbin	ODI	25	0.29	6TH TSP	+19.25
45	80	10/95	Bobbin	ODI	13	0.99	12TH TSP	+21.30
		10/95	C/L Speci	VOL		0.38	12TH TSP	+21.24
45	81	10/95	Bobbin	ADI		2.13	7TH TSP	+23.24
		10/95	H/L Speci	VOL		1.66	7TH TSP	+23.48
45	84	10/95	Bobbin	NQI		0.70	6TH TSP	+36.95
		10/95	Bobbin	ADI		2.64	12TH TSP	+22.66
		10/95	Bobbin	NQI		0.87	10TH TSP	+20.54
		10/95	Bobbin	ODI	6	0.41	11TH TSP	+28.01
		10/95	Bobbin	ODI	14	0.32	11TH TSP	+24.25
		10/95	Bobbin	ODI	19	0.67	10TH TSP	+22.24
		10/95	H/L Speci	VOL		0.76	7TH TSP	-6.78
		10/95	C/L Speci	VOL		0.68	12TH TSP	+22.75
45	88	10/95	Bobbin	ODI	25	0.37	19TH TSP	+7.39
		10/95	Bobbin	ODI	39	0.40	19TH TSP	+8.48
45	90	10/95	Bobbin	WAR	13	0.38	3AVB	+0.00
45	91	10/95	U-Bend	VOL		5.21	4AVB	+0.00
		10/95	Bobbin	WAR	22	0.94	4AVB	+0.00
46	26	10/95	Bobbin	ODI	13	1.39	2ND TSP	+17.49
46	30	10/95	Bobbin	ADI		2.38	4AVB	+5.05
		10/95	U-Bend	VOL		0.92	4AVB	+4.59
		10/95	Bobbin	NQI		0.55	18TH TSP	+12.44
		10/95	Bobbin	ODI	7	0.51	1ST TSP	+18.41
		10/95	Bobbin	ODI	15	1.63	6TH TSP	+15.93
		10/95	Bobbin	ODI	23	0.32	6TH TSP	+21.92
		10/95	C/L Speci	VOL		0.66	17TH TSP	-5.84
46	31	10/95	Bobbin	ODI	20	0.67	8TH TSP	-0.48
46	32	10/95	Bobbin	NQI		0.48	6TH TSP	+34.12
		10/95	Bobbin	NQI		0.34	12TH TSP	+31.08
		10/95	Bobbin	ODI	18	0.47	5TH TSP	+12.03
		10/95	H/L Speci	VOL		0.93	7TH TSP	-9.38
		10/95	C/L Speci	VOL		0.86	11TH TSP	-11.94
46	34	10/95	Bobbin	ADI		0.51	7TH TSP	+25.43
		10/95	Bobbin	NQI		0.21	7TH TSP	+24.65
		10/95	Bobbin	ODI	19	0.45	7TH TSP	+26.86
46	37	10/95	Bobbin	ODI	9	2.64	3RD TSP	+7.92
		10/95	Bobbin	ODI	19	1.76	12TH TSP	+9.61
		10/95	Bobbin	ODI	27	0.20	10TH TSP	+27.13
46	45	10/95	Bobbin	ODI	25	0.67	11TH TSP	+27.17
46	53	10/95	Bobbin	ODI	6	0.42	17TH TSP	+13.10
46	64	10/95	Bobbin	NQI		0.61	4TH TSP	-0.55
46	87	10/95	Bobbin	ADI		2.58	7TH TSP	+12.21
		10/95	H/L Speci	VOL		0.98	7TH TSP	+12.28
46	89	10/95	Bobbin	NQI		0.38	9TH TSP	-1.26
47	27	10/95	Bobbin	WAR	21	0.85	3AVB	+0.00
		10/95	Bobbin	ODI	8	1.38	12TH TSP	+21.04
		10/95	C/L Speci	VOL		0.73	12TH TSP	+21.42
47	28	10/95	U-Bend	VOL		1.04	9TH TSP	+8.69
		10/95	Bobbin	ODI	3	1.40	9TH TSP	+11.29
		10/95	Bobbin	ODI	10	0.83	9TH TSP	+15.84
		10/95	Bobbin	ODI	37	0.65	9TH TSP	+10.05
		10/95	Bobbin	ODI	6	0.53	11TH TSP	+25.66
47	33	10/95	Bobbin	ADI		1.79	15TH TSP	+23.33
		10/95	Bobbin	ADI		2.03	17TH TSP	+27.59
		10/95	Bobbin	NQI		0.64	18TH TSP	+8.41
		10/95	Bobbin	NQI		0.68	15TH TSP	+21.97
		10/95	Bobbin	NQI		1.16	17TH TSP	+29.00
		10/95	Bobbin	ODI	7	0.48	15TH TSP	+28.55
		10/95	C/L Speci	VOL		0.39	15TH TSP	+23.12
		10/95	C/L Speci	VOL		0.50	15TH TSP	+21.97
		10/95	C/L Speci	VOL		0.66	17TH TSP	+26.93
		10/95	C/L Speci	VOL		0.92	17TH TSP	+28.65

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

47	34	10/95	C/L Speci	VOL		1.51	18TH TSP	+8.28
		10/95	Bobbin	NQI		0.32	17TH TSP	+2.85
		10/95	C/L Speci	VOL		0.42	17TH TSP	+3.07
47	35	10/95	Bobbin	NQI		0.24	17TH TSP	+24.38
		10/95	C/L Speci	VOL		0.31	15TH TSP	-12.25
47	36	10/95	Bobbin	NQI		0.92	17TH TSP	+4.18
		10/95	Bobbin	ODI	3	0.46	17TH TSP	+5.09
		10/95	C/L Speci	VOL		0.82	17TH TSP	+4.34
47	38	10/95	Bobbin	NQI		0.30	19TH TSP	+0.72
		10/95	C/L Speci	VOL		0.83	19TH TSP	+0.79
47	42	10/95	Bobbin	ODI	4	0.40	10TH TSP	+28.99
47	43	10/95	Bobbin	ADI		4.43	1AVB	+19.24
		10/95	Bobbin	ODI	26	2.21	4AVB	+22.41
47	46	10/95	Bobbin	ODI	13	1.55	11TH TSP	+16.76
47	49	10/95	Bobbin	ODI	14	0.84	9TH TSP	+1.61
47	50	10/95	Bobbin	ADI		1.45	13TH TSP	+37.93
		10/95	C/L Speci	VOL		0.40	12TH TSP	-5.97
47	55	10/95	Bobbin	ADI		2.24	4TH TSP	+21.00
		10/95	Bobbin	ADI		1.20	10TH TSP	+9.20
		10/95	Bobbin	ADI		1.62	13TH TSP	+35.01
		10/95	Bobbin	ODI	24	0.43	10TH TSP	+20.85
		10/95	C/L Speci	VOL		0.50	9TH TSP	-23.21
		10/95	H/L Speci	VOL		0.56	4TH TSP	+21.26
		10/95	C/L Speci	VOL		0.37	10TH TSP	+8.93
47	56	10/95	C/L Speci	VOL		0.77	12TH TSP	-9.23
		10/95	U-Bend	VOL		0.72	4AVB	+0.13
		10/95	U-Bend	VOL		1.08	3AVB	-0.16
		10/95	Bobbin	ODI	39	2.74	3AVB	+0.00
		10/95	Bobbin	WAR	20	0.83	2AVB	+0.00
		10/95	Bobbin	WAR	25	1.16	4AVB	+0.00
47	59	10/95	C/L Speci	VOL		0.92	17TH TSP	-1.98
47	65	10/95	Bobbin	ADI		2.65	2ND TSP	+24.59
		10/95	Bobbin	ADI		3.09	10TH TSP	+7.09
		10/95	C/L Speci	VOL		0.81	10TH TSP	+6.22
47	67	10/95	Bobbin	ADI		1.58	8TH TSP	+22.25
		10/95	U-Bend	VOL		4.26	8TH TSP	+22.17
		10/95	C/L Speci	VOL		0.73	18TH TSP	+13.09
47	75	10/95	Bobbin	ODI	6	1.75	TTS-HL	+6.04
47	77	10/95	Bobbin	ODI	11	0.81	10TH TSP	+40.02
47	84	10/95	Bobbin	ODI	8	0.92	6TH TSP	+34.26
		10/95	Bobbin	ODI	7	0.33	18TH TSP	+3.73
		10/95	H/L Speci	VOL		0.96	7TH TSP	-8.84
48	32	10/95	Bobbin	ODI	21	0.61	7TH TSP	+23.56
48	33	10/95	Bobbin	NQI		0.71	8TH TSP	+2.82
48	35	10/95	Bobbin	NQI		0.22	7TH TSP	+24.22
		10/95	Bobbin	ODI	14	0.63	7TH TSP	+36.09
		10/95	H/L Speci	VOL		0.60	7TH TSP	+17.96
48	46	10/95	Bobbin	NQI		0.37	13TH TSP	+32.08
		10/95	Bobbin	ODI	24	0.28	7TH TSP	+20.96
48	47	10/95	Bobbin	ODI	16	1.36	9TH TSP	+1.36
48	50	10/95	Bobbin	ADI		1.33	7TH TSP	+33.51
48	52	10/95	C/L Speci	VOL		0.67	17TH TSP	+4.22
48	53	10/95	Bobbin	ODI	2	0.50	8TH TSP	-1.56
48	56	10/95	Bobbin	ODI	31	0.71	1AVB	+16.51
48	59	10/95	Bobbin	NQI		0.80	3RD TSP	+9.35
		10/95	H/L Speci	VOL		0.68	3RD TSP	+9.68
48	65	10/95	Bobbin	ODI	3	0.62	7TH TSP	+40.30
48	67	10/95	Bobbin	ODI	4	0.45	7TH TSP	+24.06
48	68	10/95	Bobbin	ADI		2.72	10TH TSP	+43.40
		10/95	C/L Speci	VOL		1.53	9TH TSP	+2.00
48	69	10/95	Bobbin	ADI		0.73	7TH TSP	+40.87
48	75	10/95	Bobbin	ODI	30	0.90	10TH TSP	+41.01
48	76	10/95	Bobbin	ADI		0.18	10TH TSP	+43.17
		10/95	Bobbin	ODI	26	0.19	10TH TSP	+41.97
		10/95	Bobbin	ODI	34	0.27	15TH TSP	+15.67

BWNT TUBAN II (Version 2.1)

10/30/1995 12:54:28

Catawba Nuclear Station - Unit Two

S/G A

10/95 RFO

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

S/G A - ATTACHMENT #1 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGA

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

48	80	10/95	Bobbin	ODI	13	0.56	7TH TSP	+20.51
48	84	10/95	Bobbin	ODI	39	0.78	10TH TSP	+23.07
48	85	10/95	Bobbin	ODI	10	0.56	10TH TSP	+43.26
49	31	10/95	Bobbin	ADI		2.57	11TH TSP	+1.03
		10/95	Bobbin	ODI	17	0.86	11TH TSP	-1.35
49	35	10/95	Bobbin	ODI	31	0.26	10TH TSP	+22.86
49	43	10/95	Bobbin	ADI		1.44	15TH TSP	+13.83
		10/95	C/L Speci	VOL		0.84	17TH TSP	-0.16
49	45	10/95	Bobbin	ODI	15	0.62	15TH TSP	+13.59
49	47	10/95	Bobbin	ODI	29	0.41	10TH TSP	+20.69
49	53	10/95	Bobbin	NQI		0.33	15TH TSP	+14.02
49	62	10/95	Bobbin	ADI		2.85	1ST TSP	+16.46 to +22.57
49	67	10/95	Bobbin	NQI		1.54	8TH TSP	+2.99
49	74	10/95	Bobbin	NQI		0.36	9TH TSP	+1.58
49	80	10/95	Bobbin	NQI		0.50	7TH TSP	+16.08
		10/95	H/L Speci	VOL		0.55	7TH TSP	+16.08

Total Indications Found = 1901

Total Tubes Found = 936

BWNT TUBAN II (Version 2.1) 10/30/1995 13:33:48

Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

1	6	10/95	Bobbin	ADI	4.56	16TH TSP	+17.23	
		10/95	C/L Speci	VOL	0.71	16TH TSP	+13.35	
		10/95	C/L Speci	VOL	1.36	16TH TSP	+16.41	
1	40	10/95	Bobbin	ODI	2	0.58	4TH TSP	+7.02
1	49	10/95	Bobbin	NQI	0.37	TTS-HL	+0.51	
		10/95	Bobbin	ODI	8	0.65	TTS-CL	+1.79
		10/95	Bobbin	ODI	20	0.22	TTS-HL	+1.95
1	50	10/95	Bobbin	ODI	6	0.64	TTS-CL	+3.33
1	51	10/95	Bobbin	ODI	21	0.59	TTS-HL	+2.48
1	52	10/95	Bobbin	NQI	0.59	TTS-HL	+0.47	
		10/95	Bobbin	ODI	8	1.58	2ND TSP	+4.92
1	61	10/95	Bobbin	NQI	1.84	8TH TSP	+6.61	
1	62	10/95	Bobbin	ODI	14	1.55	13TH TSP	+39.93
1	63	10/95	Bobbin	ODI	15	0.46	4TH TSP	+8.14
1	73	10/95	Bobbin	ADI	2.58	18TH TSP	+33.44	
		10/95	C/L Speci	VOL	0.63	18TH TSP	+33.18	
1	84	10/95	Bobbin	ODI	23	1.96	12TH TSP	+12.29
1	90	10/95	Bobbin	ADI	11	0.30	3RD TSP	+13.81
1	91	10/95	Bobbin	ADI	0.67	7TH TSP	+9.35	
1	98	10/95	Bobbin	ODI	8	0.53	19TH TSP	+7.12
2	2	10/95	Bobbin	ODI	12	1.54	1ST TSP	+18.16
		10/95	H/L Speci	VOL	1.04	2ND TSP	-10.86	
2	3	10/95	Bobbin	ODI	6	0.72	1ST TSP	+21.69
		10/95	Bobbin	ODI	13	1.62	1ST TSP	+12.26
2	8	10/95	Bobbin	ODI	8	1.54	19TH TSP	+6.28
2	9	10/95	Bobbin	NQI	0.76	12TH TSP	+4.76	
		10/95	C/L Speci	VOL	0.51	12TH TSP	+4.41	
2	26	10/95	Bobbin	ODI	12	0.75	17TH TSP	+12.63
2	31	10/95	Bobbin	NQI	0.45	18TH TSP	-1.37	
		10/95	Bobbin	NQI	0.76	18TH TSP	+33.32	
		10/95	C/L Speci	VOL	0.44	18TH TSP	-1.18	
		10/95	C/L Speci	VOL	0.72	18TH TSP	+33.54	
2	41	10/95	Bobbin	ODI	15	0.47	16TH TSP	+16.16
		10/95	Bobbin	ODI	33	0.24	16TH TSP	+15.97
2	43	10/95	Bobbin	ODI	2	0.82	3RD TSP	+19.71
2	45	10/95	Bobbin	ODI	12	1.14	19TH TSP	+4.22
2	48	10/95	Bobbin	ODI	2	0.72	14TH TSP	+6.95
2	57	10/95	Bobbin	ODI	11	0.87	7TH TSP	+23.02
		10/95	Bobbin	ODI	20	0.82	7TH TSP	+19.71
2	58	10/95	Bobbin	NQI	0.42	5TH TSP	+21.23	
2	75	10/95	Bobbin	ODI	21	1.84	5TH TSP	+37.37
2	78	10/95	Bobbin	ODI	11	1.15	10TH TSP	+29.27
2	89	10/95	Bobbin	ADI	3.10	11TH TSP	+37.09	
		10/95	C/L Speci	VOL	1.43	10TH TSP	-6.18	
2	100	10/95	Bobbin	ODI	23	0.30	1ST TSP	+24.64
2	101	10/95	Bobbin	ADI	1.53	18TH TSP	+17.43	to +29.32
		10/95	C/L Speci	VOL	0.53	18TH TSP	+16.83	to +28.43
2	102	10/95	Bobbin	ODI	27	0.45	18TH TSP	+2.26
3	24	10/95	Bobbin	ODI	21	1.45	12TH TSP	+27.86
		10/95	C/L Speci	VOL	0.91	11TH TSP	-15.04	
3	26	10/95	Bobbin	ODI	7	0.86	13TH TSP	+24.70
3	36	10/95	Bobbin	NQI	0.73	2ND TSP	+32.77	
		10/95	H/L Speci	VOL	0.45	3RD TSP	-3.24	
3	38	10/95	Bobbin	ODI	16	1.84	13TH TSP	+9.42
		10/95	C/L Speci	VOL	1.12	13TH TSP	+9.72	
3	47	10/95	Bobbin	ODI	19	0.44	18TH TSP	+16.70
3	49	10/95	Bobbin	ODI	21	0.44	15TH TSP	+5.76
3	50	10/95	Bobbin	ODI	8	0.92	11TH TSP	+21.91
3	52	10/95	Bobbin	ODI	9	1.19	4TH TSP	+13.49
3	53	10/95	Bobbin	ODI	2	0.83	11TH TSP	+28.82
3	55	10/95	Bobbin	ADI	3.35	11TH TSP	+19.19	
		10/95	C/L Speci	VOL	0.68	11TH TSP	+15.82	
		10/95	C/L Speci	VOL	0.75	11TH TSP	+19.42	
3	63	10/95	Bobbin	ODI	11	1.46	10TH TSP	+11.19
3	72	10/95	Bobbin	ODI	3	1.37	13TH TSP	+8.44

BWNT TUBAN II (Version 2.1) 10/30/1995 13:33:48

Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

3	75	10/95	Bobbin	ODI	4	4.02	2ND TSP	+17.21
3	76	10/95	Bobbin	NQI		0.73	3RD TSP	+13.30
3	78	10/95	Bobbin	ADI		1.36	13TH TSP	+36.21
		10/95	C/L Speci	VOL		0.72	12TH TSP	-7.17
3	101	10/95	Bobbin	ODI	3	3.15	12TH TSP	+40.46
3	103	10/95	Bobbin	ADI		0.92	16TH TSP	+7.20
		10/95	C/L Speci	VOL		0.37	16TH TSP	+6.87
4	11	10/95	Bobbin	ADI		2.27	7TH TSP	+13.50
		10/95	H/L Speci	VOL		0.86	7TH TSP	+13.56
4	35	10/95	Bobbin	ODI	13	0.58	11TH TSP	+14.02
4	43	10/95	Bobbin	ADI		2.08	1ST TSP	+5.88
4	51	10/95	H/L Tubes	VOL		1.14	TTS-HL	+2.84
4	53	10/95	Bobbin	ODI	15	0.97	11TH TSP	+30.65
4	54	10/95	Bobbin	ODI	4	0.93	7TH TSP	+18.28
		10/95	Bobbin	ODI	16	0.54	7TH TSP	+20.33
		10/95	Bobbin	ODI	18	0.78	7TH TSP	+13.86
		10/95	Bobbin	ODI	2	1.33	10TH TSP	+21.22
		10/95	Bobbin	ODI	11	0.99	10TH TSP	+19.80
4	73	10/95	Bobbin	ODI	10	1.20	5TH TSP	+6.37
4	93	10/95	Bobbin	ADI		0.84	12TH TSP	+27.63
		10/95	C/L Speci	VOL		0.46	11TH TSP	-15.54
4	104	10/95	Bobbin	ADI		1.61	11TH TSP	+33.06
		10/95	C/L Speci	VOL		0.46	10TH TSP	-9.42
4	106	10/95	Bobbin	NQI		0.93	4TH TSP	+12.12
		10/95	H/L Speci	VOL		0.76	4TH TSP	+13.32
5	1	10/95	Bobbin	ODI	3	0.82	10TH TSP	+42.82
5	5	10/95	Bobbin	ODI	18	0.41	12TH TSP	+28.72
5	23	10/95	Bobbin	ODI	12	1.40	7TH TSP	+14.52
		10/95	Bobbin	ODI	5	1.92	10TH TSP	+14.40
		10/95	Bobbin	ODI	15	0.55	11TH TSP	+21.18
5	47	10/95	Bobbin	ODI	34	0.27	16TH TSP	+15.20
5	51	10/95	Bobbin	ODI	33	0.21	14TH TSP	+6.49
5	53	10/95	Bobbin	ODI	3	0.74	10TH TSP	+9.88
5	59	10/95	Bobbin	ODI	8	0.37	7TH TSP	+36.40
5	78	10/95	Bobbin	NQI		0.95	13TH TSP	+7.40
		10/95	C/L Speci	VOL		1.04	13TH TSP	+7.54
5	89	10/95	Bobbin	ODI	23	0.56	2ND TSP	+9.31
5	100	10/95	Bobbin	ADI		1.32	11TH TSP	+25.01
6	3	10/95	Bobbin	ODI	18	0.32	10TH TSP	+25.17
6	5	10/95	Bobbin	ODI	16	0.26	3RD TSP	+22.15
		10/95	Bobbin	ODI	16	0.46	12TH TSP	+6.43
		10/95	Bobbin	ODI	19	0.21	14TH TSP	+4.45
6	6	10/95	Bobbin	ADI		1.80	17TH TSP	+15.43
		10/95	Bobbin	NQI		0.54	12TH TSP	+11.15
		10/95	C/L Speci	VOL		0.21	12TH TSP	+10.77
		10/95	C/L Speci	VOL		0.37	16TH TSP	-2.89
6	7	10/95	Bobbin	ODI	19	2.13	7TH TSP	+33.55
		10/95	Bobbin	ODI	11	0.84	13TH TSP	+32.47
		10/95	Bobbin	ODI	11	1.49	13TH TSP	+35.70
		10/95	Bobbin	ODI	14	0.51	13TH TSP	+31.86
		10/95	Bobbin	ODI	15	1.33	12TH TSP	+26.78
		10/95	Bobbin	ODI	18	1.67	12TH TSP	+1.57
		10/95	Bobbin	ODI	33	0.88	16TH TSP	+8.67
6	11	10/95	Bobbin	ODI	10	0.49	10TH TSP	+42.78
6	41	10/95	Bobbin	ODI	22	0.42	10TH TSP	+31.44
6	45	10/95	U-Bend	VOL		0.73	1AVB	+2.35
		10/95	Bobbin	ODI	9	2.20	1AVB	+0.06
		10/95	Bobbin	NQI		0.42	15TH TSP	+7.10
6	47	10/95	Bobbin	ODI	5	0.50	10TH TSP	+43.10
6	51	10/95	Bobbin	NQI		0.32	10TH TSP	+3.20
		10/95	Bobbin	ODI	18	0.56	10TH TSP	+27.66
		10/95	C/L Speci	VOL		0.64	10TH TSP	+3.68
6	54	10/95	Bobbin	ODI	5	1.18	7TH TSP	+28.56
		10/95	Bobbin	ODI	14	0.55	7TH TSP	+28.08
6	66	10/95	Bobbin	ODI	8	0.36	12TH TSP	+7.85

BWNT TUBAN II (Version 2.1) 10/30/1995 13:33:48

Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

6	90	10/95	Bobbin	ODI	27	0.55	6TH TSP	+19.29
7	8	10/95	Bobbin	ODI	3	1.21	12TH TSP	+19.33
7	33	10/95	Bobbin	ODI	20	0.63	5TH TSP	+35.35
7	36	10/95	Bobbin	ODI	14	0.68	11TH TSP	+13.08
7	51	10/95	Bobbin	ODI	6	0.47	7TH TSP	+0.74
		10/95	Bobbin	ODI	9	0.94	6TH TSP	+34.95
		10/95	Bobbin	ODI	30	0.57	10TH TSP	+3.82
7	52	10/95	Bobbin	ODI	13	0.44	7TH TSP	+28.51
		10/95	Bobbin	ODI	14	0.44	7TH TSP	+30.96
		10/95	Bobbin	ODI	15	0.92	7TH TSP	+18.43
		10/95	Bobbin	ODI	11	1.60	11TH TSP	+35.18
		10/95	Bobbin	ODI	12	2.31	10TH TSP	+23.04
		10/95	Bobbin	ODI	14	0.55	10TH TSP	+30.52
7	61	10/95	Bobbin	ODI	2	0.68	5TH TSP	+7.45
7	62	10/95	Bobbin	NQI		1.33	15TH TSP	+9.51
		10/95	C/L Speci	VOL		0.69	15TH TSP	+9.54
7	71	10/95	Bobbin	ODI	35	0.31	16TH TSP	+3.73
7	82	10/95	Bobbin	ODI	23	2.61	TTS-CL	+5.87
		10/95	C/L Speci	VOL		0.67	TTS-CL	+6.68
7	95	10/95	Bobbin	ODI	6	0.93	7TH TSP	+29.90
		10/95	Bobbin	ODI	21	1.02	7TH TSP	+26.45
		10/95	Bobbin	ODI	3	0.31	19TH TSP	+1.04
		10/95	Bobbin	ODI	32	0.23	19TH TSP	+2.11
7	101	10/95	Bobbin	ODI	6	2.11	16TH TSP	+13.68
		10/95	Bobbin	ODI	13	1.54	14TH TSP	+14.63
8	29	10/95	Bobbin	ODI	12	1.76	5TH TSP	+33.01
8	32	10/95	Bobbin	ODI	13	0.62	12TH TSP	+19.39
8	37	10/95	Bobbin	ODI	19	0.56	2ND TSP	+11.77
8	43	10/95	Bobbin	ODI	8	0.77	10TH TSP	+14.44
8	85	10/95	Bobbin	ODI	18	0.91	11TH TSP	+2.78
8	93	10/95	Bobbin	ADI		1.61	TTS-CL	+3.17
		10/95	Bobbin	ODI	19	0.49	TTS-CL	+5.73
		10/95	C/L Speci	VOL		0.54	TTS-CL	+3.14
8	95	10/95	Bobbin	ADI		1.26	10TH TSP	+35.59
		10/95	Bobbin	ODI	18	0.47	10TH TSP	+34.49
		10/95	C/L Speci	VOL		1.45	9TH TSP	-10.49
8	103	10/95	Bobbin	ADI		4.34	14TH TSP	+2.42
		10/95	C/L Speci	VOL		1.70	14TH TSP	+2.25
8	112	10/95	Bobbin	ADI		1.93	1ST TSP	+2.05
		10/95	H/L Speci	VOL		0.60	1ST TSP	+2.40
9	2	10/95	Bobbin	ODI	10	0.34	4TH TSP	+34.94
		10/95	Bobbin	ODI	10	0.96	10TH TSP	+28.32
9	4	10/95	Bobbin	ODI	14	0.27	10TH TSP	+42.81
9	8	10/95	Bobbin	ODI	1	1.09	TTS-HL	+2.81
9	9	10/95	Bobbin	ODI	3	1.23	18TH TSP	+3.66
9	11	10/95	Bobbin	ODI	3	0.65	10TH TSP	+32.50
9	15	10/95	Bobbin	ODI	7	0.92	10TH TSP	+40.17
9	17	10/95	Bobbin	ODI	11	0.66	10TH TSP	+43.29
9	41	10/95	Bobbin	ODI	10	0.78	16TH TSP	+11.09
		10/95	Bobbin	ODI	21	0.36	16TH TSP	+7.30
9	46	10/95	Bobbin	ODI	7	0.66	4TH TSP	+20.40
9	47	10/95	Bobbin	ODI	15	0.99	2ND TSP	+17.21
9	70	10/95	Bobbin	ADI		2.95	7TH TSP	+13.36
		10/95	Bobbin	ODI	5	0.51	7TH TSP	+1.58
		10/95	Bobbin	ODI	2	1.33	10TH TSP	+16.40
		10/95	Bobbin	ODI	4	0.77	11TH TSP	+37.45
		10/95	Bobbin	ODI	5	0.68	19TH TSP	+6.69
		10/95	Bobbin	ODI	6	0.58	19TH TSP	+8.06
9	75	10/95	Bobbin	ODI	5	0.99	3RD TSP	+2.01
9	85	10/95	Bobbin	NQI		1.30	1ST TSP	+11.52
9	94	10/95	Bobbin	ADI		1.52	4TH TSP	+19.61
		10/95	H/L Speci	VOL		0.57	4TH TSP	+19.27
9	106	10/95	Bobbin	ODI	24	0.67	18TH TSP	+2.14
9	112	10/95	Bobbin	ODI	15	0.57	17TH TSP	+7.57
10	2	10/95	Bobbin	ODI	2	0.83	11TH TSP	+27.36

S/G B - ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGB
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

10	6	10/95	Bobbin	ADI		1.36	10TH TSP	+23.56
		10/95	Bobbin	ODI	19	0.57	7TH TSP	+29.93
		10/95	Bobbin	ODI	25	0.33	7TH TSP	+30.99
		10/95	Bobbin	ODI	3	1.54	10TH TSP	+27.36
		10/95	Bobbin	ODI	6	1.67	10TH TSP	+31.64
		10/95	Bobbin	ODI	7	1.60	10TH TSP	+22.21
		10/95	Bobbin	ODI	11	0.72	10TH TSP	+26.33
		10/95	Bobbin	ODI	19	1.09	18TH TSP	+13.09
		10/95	Bobbin	ODI	25	0.55	10TH TSP	+30.48
		10/95	Bobbin	ODI	27	0.33	18TH TSP	+10.92
10	9	10/95	Bobbin	ODI	9	0.97	17TH TSP	+4.69
10	11	10/95	Bobbin	ODI	6	0.36	7TH TSP	+38.77
10	13	10/95	Bobbin	ODI	14	0.52	7TH TSP	+32.30
10	17	10/95	Bobbin	ODI	6	1.12	12TH TSP	+13.69
		10/95	Bobbin	ODI	19	0.41	19TH TSP	+5.23
10	19	10/95	Bobbin	ODI	10	0.60	10TH TSP	+43.59
10	35	10/95	Bobbin	ODI	7	1.27	10TH TSP	+43.98
		10/95	C/L Speci	VOL		0.72	9TH TSP	-2.19
10	40	10/95	Bobbin	ODI	10	1.18	1ST TSP	+24.93
10	54	10/95	Bobbin	ODI	10	0.38	15TH TSP	+5.88
		10/95	Bobbin	ODI	27	0.28	18TH TSP	+0.18
10	70	10/95	Bobbin	NQI		0.22	14TH TSP	+5.47
		10/95	Bobbin	NQI		0.27	13TH TSP	+1.97
		10/95	Bobbin	ODI	12	0.96	13TH TSP	+6.30
		10/95	C/L Speci	VOL		0.67	13TH TSP	+7.44
10	75	10/95	Bobbin	ODI	18	1.37	10TH TSP	+43.34
10	81	10/95	Bobbin	ODI	39	0.28	17TH TSP	+1.28
10	103	10/95	Bobbin	ODI	21	1.37	5TH TSP	+26.15
10	113	10/95	Bobbin	ODI	12	0.50	13TH TSP	+11.63
11	4	10/95	Bobbin	ODI	5	2.07	7TH TSP	+31.04
		10/95	Bobbin	ODI	7	3.15	13TH TSP	+25.69
		10/95	Bobbin	ODI	24	0.27	10TH TSP	+18.00
11	5	10/95	Bobbin	ODI	32	0.37	10TH TSP	+33.61
11	11	10/95	Bobbin	NQI		0.55	5TH TSP	+37.52
		10/95	H/L Speci	VOL		0.74	6TH TSP	-5.57
11	59	10/95	Bobbin	ADI		0.91	1ST TSP	+19.90
		10/95	Bobbin	ADI		1.91	14TH TSP	+5.87
		10/95	Bobbin	NQI		0.46	13TH TSP	+6.06
		10/95	Bobbin	ODI	18	2.18	11TH TSP	+4.00
		10/95	Bobbin	ODI	22	0.97	12TH TSP	+19.63
		10/95	Bobbin	ODI	25	1.66	15TH TSP	+5.73
		10/95	H/L Speci	VOL		0.49	2ND TSP	-7.51
		10/95	C/L Speci	VOL		0.45	13TH TSP	+6.28
		10/95	C/L Speci	VOL		0.55	14TH TSP	+1.71
		10/95	C/L Speci	VOL		1.04	14TH TSP	+5.94
11	105	10/95	Bobbin	ODI	28	0.36	7TH TSP	+6.92
		10/95	Bobbin	ODI	29	0.84	6TH TSP	+33.15
11	110	10/95	Bobbin	ODI	3	0.53	11TH TSP	+26.80
12	3	10/95	Bobbin	ODI	26	0.48	10TH TSP	+29.32
12	16	10/95	Bobbin	ODI	24	0.59	11TH TSP	+16.18
12	31	10/95	Bobbin	ODI	4	1.51	11TH TSP	+35.36
12	32	10/95	Bobbin	NQI		1.32	4TH TSP	+5.03
		10/95	H/L Speci	VOL		1.53	4TH TSP	+5.51
12	33	10/95	Bobbin	ODI	1	0.70	11TH TSP	+29.61
		10/95	Bobbin	ODI	1	0.84	11TH TSP	+13.52
		10/95	Bobbin	ODI	2	0.52	11TH TSP	+26.45
		10/95	Bobbin	ODI	3	1.02	11TH TSP	+8.03
		10/95	Bobbin	ODI	4	0.40	11TH TSP	+28.50
		10/95	Bobbin	ODI	4	0.67	11TH TSP	+27.62
		10/95	Bobbin	ODI	6	0.58	11TH TSP	+12.27
		10/95	Bobbin	ODI	10	0.38	10TH TSP	+31.84
		10/95	Bobbin	ODI	13	0.33	11TH TSP	+11.93
		10/95	Bobbin	ODI	19	0.23	11TH TSP	+7.79
		10/95	Bobbin	ODI	27	0.25	16TH TSP	+15.95
12	41	10/95	Bobbin	ODI	12	0.59	10TH TSP	+9.59

BWNT TUBAN II (Version 2.1) 10/30/1995 13:33:48

Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

12	44	10/95	Bobbin	ODI	12	0.86	1ST TSP	+19.56	
		10/95	Bobbin	ODI	15	0.34	1ST TSP	+14.26	
12	52	10/95	Bobbin	ODI	9	0.76	10TH TSP	+28.30	
		10/95	Bobbin	ODI	11	0.92	12TH TSP	+34.64	
12	88	10/95	Bobbin	ADI		2.08	10TH TSP	+26.58	
		10/95	C/L Speci	VOL		1.35	9TH TSP	-19.08	
12	91	10/95	Bobbin	ODI	8	0.43	7TH TSP	+15.71	
		10/95	Bobbin	ODI	9	1.19	7TH TSP	+11.47	
		10/95	Bobbin	ODI	20	0.42	7TH TSP	+19.28	
		10/95	Bobbin	ODI	33	0.43	7TH TSP	+16.47	
		10/95	Bobbin	ODI	3	1.40	10TH TSP	+18.46	
		10/95	Bobbin	ODI	21	0.45	10TH TSP	+12.97	
12	93	10/95	Bobbin	ODI	6	0.86	9TH TSP	-1.35	
		10/95	C/L Speci	VOL		0.65	9TH TSP	-0.85	
12	109	10/95	Bobbin	ODI	9	0.66	10TH TSP	+33.03	
12	113	10/95	Bobbin	ODI	14	0.50	13TH TSP	+7.00	
13	5	10/95	Bobbin	ODI	2	1.29	10TH TSP	+38.63	
		10/95	Bobbin	ODI	15	0.70	10TH TSP	+36.24	
13	10	10/95	Bobbin	ODI	10	2.09	4TH TSP	+22.17	
		10/95	H/L Speci	VOL		1.90	5TH TSP	-21.64	
13	11	10/95	Bobbin	NQI		0.22	10TH TSP	+44.08	
		10/95	Bobbin	ODI	6	0.53	10TH TSP	+43.11	
13	18	10/95	Bobbin	NQI		0.59	13TH TSP	+31.58	
		10/95	Bobbin	ODI	19	0.85	4TH TSP	+2.98	
		10/95	Bobbin	ODI	24	0.39	15TH TSP	+2.89	
		10/95	Bobbin	ODI	27	0.76	11TH TSP	+20.00	
13	43	10/95	Bobbin	ODI	19	0.36	13TH TSP	+22.52	
13	44	10/95	Bobbin	ADI		4.38	3RD TSP	+13.59	
		10/95	Bobbin	ODI	10	2.22	7TH TSP	+5.68	
		10/95	Bobbin	ODI	3	0.81	17TH TSP	+0.03	
		10/95	Bobbin	ODI	9	0.50	12TH TSP	+22.63	
		10/95	H/L Speci	VOL		1.31	3RD TSP	+14.36	
13	50	10/95	Bobbin	ODI	27	1.22	6TH TSP	+25.77	
13	60	10/95	Bobbin	ADI		3.32	13TH TSP	+15.77	to +20.96
		10/95	C/L Speci	VOL		0.80	13TH TSP	+15.58	to +20.41
13	67	10/95	Bobbin	NQI		0.69	11TH TSP	-0.38	
		10/95	C/L Speci	VOL		1.28	11TH TSP	-0.31	
13	73	10/95	Bobbin	NQI		0.44	8TH TSP	+0.11	
		10/95	Bobbin	ODI	19	1.11	10TH TSP	+42.78	
13	79	10/95	Bobbin	NQI		0.50	10TH TSP	+29.26	
		10/95	C/L Speci	VOL		0.91	9TH TSP	-16.37	
13	85	10/95	Bobbin	ODI	9	0.48	13TH TSP	+13.06	
13	89	10/95	Bobbin	ADI		2.07	TTS-HL	+3.47	
		10/95	H/L Speci	VOL		0.87	TTS-HL	+3.67	
13	93	10/95	Bobbin	NQI		0.41	1ST TSP	+2.64	
		10/95	H/L Speci	VOL		0.36	1ST TSP	+2.45	
13	96	10/95	Bobbin	NQI		0.75	12TH TSP	+14.60	
		10/95	C/L Speci	VOL		0.76	12TH TSP	+14.61	
13	99	10/95	Bobbin	NQI		0.33	9TH TSP	-0.49	
		10/95	Bobbin	ODI	26	0.25	7TH TSP	+30.46	
13	100	10/95	Bobbin	ADI		0.93	5TH TSP	+17.47	
		10/95	Bobbin	ADI		1.35	1ST TSP	+24.01	
		10/95	Bobbin	ODI	19	0.52	16TH TSP	+9.03	
		10/95	Bobbin	ODI	24	0.33	12TH TSP	+4.02	
		10/95	H/L Speci	VOL		0.45	5TH TSP	+17.28	
		10/95	H/L Speci	VOL		0.61	1ST TSP	+22.88	
13	104	10/95	Bobbin	ODI	10	1.09	5TH TSP	+27.95	
		10/95	Bobbin	ODI	2	0.37	11TH TSP	+34.56	
		10/95	H/L Speci	VOL		0.63	6TH TSP	-14.48	
13	112	10/95	Bobbin	ODI	3	0.90	1ST TSP	+26.73	
14	3	10/95	Bobbin	NQI		0.44	10TH TSP	-1.64	
14	5	10/95	Bobbin	NQI		0.98	14TH TSP	+2.91	
		10/95	Bobbin	ODI	2	0.65	10TH TSP	+40.78	
		10/95	Bobbin	ODI	4	1.25	10TH TSP	+43.13	
		10/95	Bobbin	ODI	13	0.58	10TH TSP	+12.98	

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

14	7	10/95	Bobbin	ODI	2	0.82	10TH TSP	+42.62
14	9	10/95	Bobbin	NQI		0.79	12TH TSP	+8.95
		10/95	C/L Speci	VOL		0.65	12TH TSP	+9.21
14	12	10/95	Bobbin	NQI		0.56	12TH TSP	+11.08
		10/95	Bobbin	NQI		0.77	12TH TSP	+16.37
		10/95	Bobbin	ODI	19	0.27	12TH TSP	+14.95
		10/95	Bobbin	ODI	29	0.31	12TH TSP	+13.89
		10/95	C/L Speci	VOL		0.61	12TH TSP	+11.15
		10/95	C/L Speci	VOL		0.92	12TH TSP	+16.71
14	15	10/95	Bobbin	ADI		1.55	2ND TSP	+2.42
		10/95	Bobbin	ODI	11	0.80	7TH TSP	+14.61
		10/95	H/L Speci	VOL		0.80	2ND TSP	+2.72
14	20	10/95	Bobbin	ODI	4	0.79	7TH TSP	+11.84
		10/95	Bobbin	ODI	18	0.52	7TH TSP	+10.73
14	23	10/95	Bobbin	ODI	2	1.54	10TH TSP	+41.11
14	26	10/95	Bobbin	ODI	23	0.99	18TH TSP	+10.27
14	31	10/95	Bobbin	ODI	12	0.43	13TH TSP	+15.96
		10/95	Bobbin	ODI	13	0.39	10TH TSP	+10.34
14	34	10/95	Bobbin	ODI	26	0.81	5TH TSP	+24.37
		10/95	H/L Speci	VOL		1.23	6TH TSP	-18.89
14	49	10/95	Bobbin	ODI	4	1.35	10TH TSP	+39.18
14	51	10/95	Bobbin	ODI	9	0.95	10TH TSP	+42.86
14	53	10/95	Bobbin	ODI	22	0.36	14TH TSP	+8.99
14	55	10/95	Bobbin	ODI	15	1.03	12TH TSP	+27.12
		10/95	Bobbin	ODI	32	0.73	12TH TSP	+22.91
14	59	10/95	Bobbin	ODI	9	1.10	10TH TSP	+37.15
		10/95	Bobbin	ODI	23	0.31	10TH TSP	+41.47
14	80	10/95	Bobbin	ODI	9	0.70	7TH TSP	+39.21
14	89	10/95	Bobbin	ADI		2.93	16TH TSP	+9.27
		10/95	Bobbin	ODI	9	0.38	4TH TSP	+9.09
		10/95	C/L Speci	VOL		0.77	16TH TSP	+8.84
14	92	10/95	Bobbin	ODI	32	1.20	7TH TSP	+10.52
14	94	10/95	Bobbin	ODI	2	1.37	7TH TSP	+31.27
		10/95	Bobbin	ODI	6	0.96	7TH TSP	+38.10
		10/95	Bobbin	ODI	16	0.61	7TH TSP	+15.89
		10/95	Bobbin	ODI	30	0.36	7TH TSP	+30.24
14	96	10/95	Bobbin	OQI	6	1.42	7TH TSP	+39.37
		10/95	Bobbin	ODI	21	0.41	7TH TSP	+38.49
		10/95	Bobbin	ODI	18	0.38	10TH TSP	+39.00
14	97	10/95	Bobbin	ODI	2	0.70	10TH TSP	+21.22
		10/95	Bobbin	ODI	8	0.19	10TH TSP	+19.04
14	99	10/95	Bobbin	ODI	2	1.57	10TH TSP	+40.64
		10/95	Bobbin	ODI	13	0.76	10TH TSP	+39.42
14	105	10/95	Bobbin	ODI	9	1.27	2ND TSP	+15.35
		10/95	Bobbin	ODI	20	1.72	1ST TSP	+6.95
		10/95	Bobbin	ODI	9	0.90	19TH TSP	+1.22
14	106	10/95	Bobbin	ODI	23	1.26	4TH TSP	+34.14
		10/95	Bobbin	ODI	15	1.35	11TH TSP	+7.12
		10/95	Bobbin	ODI	16	1.21	12TH TSP	+36.39
14	107	10/95	Bobbin	ODI	12	0.58	1ST TSP	+7.05
14	109	10/95	Bobbin	ODI	22	0.78	6TH TSP	+12.26
		10/95	Bobbin	ODI	10	0.65	13TH TSP	+18.49
		10/95	Bobbin	ODI	12	0.52	17TH TSP	+11.86
14	111	10/95	Bobbin	ODI	15	0.63	18TH TSP	+14.32
14	112	10/95	Bobbin	ODI	16	1.61	9TH TSP	-1.23
		10/95	Bobbin	ODI	7	0.40	10TH TSP	+41.95
15	8	10/95	Bobbin	ODI	5	1.21	7TH TSP	+26.49
15	14	10/95	Bobbin	ADI		1.78	13TH TSP	+23.29
		10/95	C/L Speci	VOL		0.67	13TH TSP	+23.02
15	35	10/95	Bobbin	NQI		0.53	12TH TSP	+25.90
		10/95	Bobbin	NQI		0.94	11TH TSP	+7.43
		10/95	C/L Speci	VOL		0.57	12TH TSP	+26.14
		10/95	C/L Speci	VOL		0.60	11TH TSP	+10.36
		10/95	C/L Speci	VOL		0.64	11TH TSP	+7.36
15	38	10/95	Bobbin	ODI	27	0.26	3RD TSP	+21.93

BWNT TUBAN II (Version 2.1) 10/30/1995 13:33:48

Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

15	55	10/95	Bobbin	ODI	32	0.43	7TH TSP	+27.19	
		10/95	Bobbin	ODI	13	0.56	10TH TSP	+28.51	
15	70	10/95	Bobbin	ODI	8	0.78	7TH TSP	+39.35	
		10/95	Bobbin	ODI	17	1.83	12TH TSP	+31.10	
		10/95	C/L Speci	VOL		1.34	11TH TSP	-16.50	to -12.11
15	79	10/95	Bobbin	ODI	20	1.73	15TH TSP	+2.24	
15	89	10/95	Bobbin	ODI	12	0.59	5TH TSP	+15.21	
15	91	10/95	Bobbin	ODI	14	0.73	10TH TSP	+39.66	
15	93	10/95	Bobbin	ODI	17	0.31	10TH TSP	+33.01	
15	94	10/95	Bobbin	NQI		0.93	9TH TSP	-1.12	
		10/95	C/L Speci	VOL		0.36	9TH TSP	-1.30	
15	104	10/95	Bobbin	ODI	8	0.56	10TH TSP	+29.96	
15	107	10/95	Bobbin	ODI	9	0.68	9TH TSP	-1.53	
		10/95	Bobbin	ODI	16	0.43	7TH TSP	+37.34	
		10/95	Bobbin	ODI	9	0.57	10TH TSP	+43.46	
		10/95	Bobbin	ODI	12	0.81	10TH TSP	+28.12	
		10/95	Bobbin	ODI	32	0.29	10TH TSP	+26.89	
15	111	10/95	Bobbin	ODI	16	0.64	7TH TSP	+37.86	
16	4	10/95	Bobbin	ODI	7	0.71	7TH TSP	+11.86	
16	5	10/95	Bobbin	NQI		0.38	10TH TSP	+14.93	
16	47	10/95	Bobbin	ODI	8	1.31	7TH TSP	+10.84	
16	51	10/95	Bobbin	ADI		2.85	6TH TSP	+31.59	
		10/95	H/L Speci	VOL		1.23	7TH TSP	-11.58	
16	59	10/95	Bobbin	NQI		0.77	7TH TSP	+7.61	
		10/95	Bobbin	ODI	10	1.78	1ST TSP	+23.19	
		10/95	Bobbin	ODI	19	0.32	11TH TSP	+16.98	
		10/95	H/L Speci	VOL		1.13	7TH TSP	+6.69	
		10/95	H/L Speci	VOL		1.41	2ND TSP	-5.59	
16	62	10/95	Bobbin	NQI		0.56	15TH TSP	+3.43	
16	71	10/95	Bobbin	ODI	9	0.73	4TH TSP	+9.20	
		10/95	H/L Speci	VOL		0.97	4TH TSP	+10.23	
16	73	10/95	Bobbin	ODI	35	0.37	1ST TSP	+6.31	
16	86	10/95	Bobbin	ODI	19	1.18	4TH TSP	+4.08	
16	87	10/95	Bobbin	ODI	5	2.25	12TH TSP	+34.04	
		10/95	C/L Speci	VOL		0.93	11TH TSP	-9.13	
16	89	10/95	Bobbin	ODI	4	1.28	11TH TSP	+31.00	
		10/95	Bobbin	ODI	7	0.40	10TH TSP	+44.10	
		10/95	Bobbin	ODI	9	0.99	11TH TSP	+36.30	
		10/95	Bobbin	ODI	37	0.27	17TH TSP	+2.08	
16	91	10/95	Bobbin	ODI	11	0.60	3RD TSP	-1.26	
		10/95	H/L Speci	VOL		0.28	3RD TSP	-1.16	
16	92	10/95	Bobbin	ADI		1.25	17TH TSP	+7.98	
		10/95	Bobbin	ADI		1.28	19TH TSP	-1.08	
		10/95	Bobbin	NQI		0.38	11TH TSP	+16.72	
		10/95	C/L Speci	VOL		0.49	17TH TSP	+7.65	
		10/95	C/L Speci	VOL		0.54	11TH TSP	+16.66	
		10/95	C/L Speci	VOL		0.69	19TH TSP	-1.21	
16	103	10/95	Bobbin	ODI	17	0.34	15TH TSP	+6.09	
		10/95	Bobbin	ODI	26	0.72	16TH TSP	+15.66	
		10/95	C/L Speci	VOL		0.85	15TH TSP	-2.52	
16	104	10/95	Bobbin	ODI	18	1.81	TTS-HL	+2.53	
		10/95	Bobbin	ODI	7	1.41	3RD TSP	+26.08	
		10/95	Bobbin	ODI	12	1.15	4TH TSP	+8.98	
		10/95	Bobbin	ODI	16	1.37	4TH TSP	+20.42	
		10/95	Bobbin	ODI	17	1.28	4TH TSP	+4.04	
16	109	10/95	Bobbin	ODI	2	0.71	2ND TSP	+9.80	
16	111	10/95	Bobbin	ODI	14	0.35	1ST TSP	+6.80	
17	10	10/95	Bobbin	ADI		3.85	10TH TSP	+14.92	
		10/95	C/L Speci	VOL		1.88	10TH TSP	+13.84	
17	17	10/95	Bobbin	ADI		1.66	11TH TSP	+3.67	
		10/95	C/L Speci	VOL		0.58	11TH TSP	+3.53	
17	19	10/95	Bobbin	ODI	20	0.93	10TH TSP	+42.98	
17	33	10/95	Bobbin	NQI		0.83	3RD TSP	+30.84	
		10/95	H/L Speci	VOL		0.47	4TH TSP	-3.95	
		10/95	H/L Speci	VOL		0.75	4TH TSP	-5.17	

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

17	55	10/95	Bobbin	ODI	14	1.30	5TH TSP	+23.26
17	56	10/95	Bobbin	ODI	13	1.68	7TH TSP	+32.50
		10/95	Bobbin	ODI	24	0.51	7TH TSP	+40.17
17	58	10/95	Bobbin	ADI		0.78	3RD TSP	+11.92
		10/95	Bobbin	ODI	18	0.90	12TH TSP	+2.86
		10/95	H/L Speci	VOL		0.71	3RD TSP	+11.90
		10/95	C/L Speci	VOL		0.62	12TH TSP	+2.71
17	60	10/95	Bobbin	ADI		0.97	3RD TSP	+30.66
		10/95	H/L Speci	VOL		0.50	4TH TSP	-4.76
17	66	10/95	Bobbin	ODI	28	0.72	3RD TSP	+8.65
17	72	10/95	Bobbin	ODI	7	1.10	12TH TSP	+3.90
17	86	10/95	Bobbin	ODI	2	1.20	7TH TSP	+11.65
		10/95	Bobbin	ODI	3	1.78	10TH TSP	+43.35
17	88	10/95	Bobbin	ODI	8	1.03	7TH TSP	+34.57
		10/95	Bobbin	ODI	6	0.61	10TH TSP	+42.66
17	95	10/95	Bobbin	ODI	6	0.40	14TH TSP	+3.11
17	105	10/95	Bobbin	ADI		7.64	4AVB	+10.41
17	108	10/95	Bobbin	ODI	4	0.41	17TH TSP	+9.13
17	109	10/95	Bobbin	ODI	9	0.59	10TH TSP	+3.90
17	111	10/95	Bobbin	ODI	2	0.76	14TH TSP	+11.93
		10/95	C/L Speci	VOL		0.22	14TH TSP	+10.95
18	4	10/95	Bobbin	NQI		0.51	10TH TSP	+22.33
		10/95	Bobbin	ODI	7	1.59	10TH TSP	+21.20
		10/95	Bobbin	ODI	17	1.10	10TH TSP	+41.53
		10/95	Bobbin	ODI	20	0.48	10TH TSP	+29.71
		10/95	Bobbin	ODI	24	0.45	10TH TSP	+30.69
		10/95	C/L Speci	VOL		1.12	10TH TSP	+21.15
18	6	10/95	Bobbin	ADI		3.53	3RD TSP	+13.99
		10/95	Bobbin	ADI		4.31	4TH TSP	+38.38
		10/95	H/L Speci	VOL		0.43	5TH TSP	-4.83
		10/95	H/L Speci	VOL		0.59	3RD TSP	+14.66
18	19	10/95	Bobbin	NQI		0.38	11TH TSP	+30.46
		10/95	Bobbin	ODI	19	0.57	11TH TSP	+25.05
18	20	10/95	Bobbin	ADI		2.96	1ST TSP	+14.57
		10/95	Bobbin	ODI	3	0.57	7TH TSP	+27.85
		10/95	Bobbin	ODI	15	0.43	7TH TSP	+20.51
		10/95	H/L Speci	VOL		1.42	1ST TSP	+15.38
18	21	10/95	Bobbin	ODI	9	1.89	14TH TSP	+5.51
18	24	10/95	Bobbin	NQI		1.02	5TH TSP	+3.75
		10/95	H/L Speci	VOL		1.13	5TH TSP	+4.12
18	26	10/95	Bobbin	NQI		0.55	5TH TSP	+20.29
		10/95	Bobbin	ODI	17	0.83	5TH TSP	+17.09
		10/95	H/L Speci	VOL		1.01	6TH TSP	-23.25
		10/95	H/L Speci	VOL		1.63	6TH TSP	-26.68
18	38	10/95	Bobbin	ODI	14	0.56	6TH TSP	+38.24
		10/95	Bobbin	ODI	15	0.81	16TH TSP	+11.02
		10/95	H/L Speci	VOL		0.56	7TH TSP	-5.29
		10/95	H/L Speci	VOL		0.58	7TH TSP	-6.69
18	48	10/95	Bobbin	ODI	38	0.63	2ND TSP	+26.73
		10/95	Bobbin	ODI	9	0.57	18TH TSP	+10.00
18	49	10/95	Bobbin	ODI	11	1.55	13TH TSP	+6.03
18	52	10/95	Bobbin	ODI	13	0.82	11TH TSP	+3.77
		10/95	Bobbin	ODI	17	0.86	11TH TSP	+7.57
18	55	10/95	Bobbin	ODI	8	1.15	12TH TSP	+25.75
18	59	10/95	Bobbin	ODI	6	0.58	12TH TSP	+21.04
		10/95	Bobbin	ODI	7	0.82	12TH TSP	+11.85
		10/95	Bobbin	ODI	9	0.76	12TH TSP	+19.30
		10/95	Bobbin	ODI	17	0.67	12TH TSP	+22.70
		10/95	Bobbin	ODI	18	0.76	12TH TSP	+15.90
		10/95	Bobbin	ODI	19	0.41	12TH TSP	+15.25
		10/95	Bobbin	ODI	27	0.74	12TH TSP	+10.98
18	62	10/95	Bobbin	NQI		0.30	15TH TSP	-0.07
18	65	10/95	Bobbin	ADI		1.91	2ND TSP	+15.32
		10/95	Bobbin	ODI	8	1.58	2ND TSP	+8.73
		10/95	Bobbin	ODI	12	0.61	2ND TSP	+11.34

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S/G B

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	13	0.96	2ND TSP	+17.80
		10/95	H/L Speci	VOL		0.36	2ND TSP	+19.06
		10/95	H/L Speci	VOL		0.57	2ND TSP	+9.00
18	70	10/95	Bobbin	ADI		1.66	7TH TSP	+16.41
18	87	10/95	Bobbin	ODI	8	1.60	8TH TSP	+1.04
		10/95	Bobbin	ODI	20	0.53	3RD TSP	+23.37
18	88	10/95	Bobbin	ADI		3.21	18TH TSP	+13.83
		10/95	C/L Speci	VOL		0.97	18TH TSP	+13.52
18	89	10/95	Bobbin	ADI		3.82	4TH TSP	+21.89
		10/95	H/L Speci	VOL		3.51	4TH TSP	+22.41
18	92	10/95	Bobbin	ODI	17	0.71	7TH TSP	+38.99
		10/95	Bobbin	ODI	22	1.19	7TH TSP	+37.58
18	94	10/95	Bobbin	ADI		2.60	7TH TSP	+33.34
		10/95	Bobbin	ODI	15	0.89	7TH TSP	+15.14
		10/95	H/L Speci	VOL		1.15	8TH TSP	-7.58
18	104	10/95	Bobbin	ODI	12	0.74	10TH TSP	+39.44
		10/95	C/L Speci	VOL		0.68	9TH TSP	-6.51
18	105	10/95	Bobbin	ODI	17	0.80	10TH TSP	+12.80
18	108	10/95	Bobbin	ODI	19	0.33	1ST TSP	+18.60
19	8	10/95	Bobbin	ODI	14	0.74	6TH TSP	+20.51
19	12	10/95	Bobbin	ODI	22	0.54	12TH TSP	+9.11
19	22	10/95	Bobbin	NQI		0.23	10TH TSP	+18.13
19	33	10/95	Bobbin	ODI	7	1.09	6TH TSP	+40.82
		10/95	Bobbin	ODI	14	1.20	6TH TSP	+33.23
		10/95	H/L Speci	VOL		0.93	7TH TSP	-2.18
		10/95	H/L Speci	VOL		1.18	7TH TSP	-6.15
		10/95	H/L Speci	VOL		1.73	7TH TSP	-10.39
19	41	10/95	Bobbin	ADI		2.20	1ST TSP	+5.42
		10/95	H/L Speci	VOL		0.38	1ST TSP	+5.02
		10/95	H/L Speci	VOL		0.50	1ST TSP	+0.66
19	42	10/95	Bobbin	ODI	6	1.85	10TH TSP	+36.10
19	53	10/95	Bobbin	ODI	5	0.59	11TH TSP	+27.41
		10/95	Bobbin	ODI	8	0.92	14TH TSP	+10.69
		10/95	Bobbin	ODI	34	0.41	14TH TSP	+9.26
19	55	10/95	Bobbin	ADI		4.00	10TH TSP	+22.57
19	56	10/95	Bobbin	ODI	12	1.04	2ND TSP	+18.59
19	57	10/95	Bobbin	AQI		2.79	13TH TSP	+7.36
		10/95	Bobbin	ODI	13	0.54	3RD TSP	+30.68
19	59	10/95	Bobbin	ODI	3	0.93	1ST TSP	+1.26
19	61	10/95	Bobbin	ODI	19	0.61	1ST TSP	+13.17
19	73	10/95	Bobbin	ODI	2	0.82	7TH TSP	+17.55
		10/95	Bobbin	ODI	7	1.51	7TH TSP	+10.81
		10/95	Bobbin	ODI	7	0.94	10TH TSP	+21.75
		10/95	H/L Speci	VOL		0.59	7TH TSP	+12.91
		10/95	H/L Speci	VOL		0.64	7TH TSP	+11.38
		10/95	H/L Speci	VOL		0.71	7TH TSP	+19.17
19	75	10/95	Bobbin	NQI		0.77	12TH TSP	+19.64
		10/95	Bobbin	ODI	11	1.19	11TH TSP	+4.61
		10/95	Bobbin	ODI	20	1.21	13TH TSP	+6.93
		10/95	C/L Speci	VOL		0.68	12TH TSP	+21.55
19	83	10/95	Bobbin	ODI	20	0.71	3RD TSP	+21.53
19	94	10/95	Bobbin	NQI		0.23	10TH TSP	+41.38
		10/95	Bobbin	ODI	6	0.51	7TH TSP	+23.97
		10/95	Bobbin	ODI	2	0.71	10TH TSP	+42.85
19	105	10/95	Bobbin	ODI	9	0.51	2ND TSP	+23.13
19	106	10/95	Bobbin	ODI	5	0.74	1AVB	+11.47
19	108	10/95	Bobbin	ODI	4	0.51	10TH TSP	+43.69
20	6	10/95	Bobbin	ODI	18	0.76	1ST TSP	+22.47
		10/95	Bobbin	ODI	11	0.42	10TH TSP	+26.06
		10/95	H/L Speci	VOL		0.80	2ND TSP	-5.54
20	13	10/95	Bobbin	ODI	12	0.88	11TH TSP	+37.80
20	19	10/95	Bobbin	ODI	10	0.90	7TH TSP	+32.15
20	34	10/95	Bobbin	ODI	29	0.48	1ST TSP	+6.80
20	35	10/95	Bobbin	ODI	12	1.62	16TH TSP	+7.81
		10/95	Bobbin	ODI	17	1.53	16TH TSP	+7.71

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

20	37	10/95	Bobbin	NQI		0.32	15TH TSP	+11.97
		10/95	Bobbin	NQI		0.72	11TH TSP	+39.00
		10/95	Bobbin	NQI		0.92	10TH TSP	+35.24
		10/95	Bobbin	ODI	15	1.05	10TH TSP	+15.26
		10/95	Bobbin	ODI	22	1.18	11TH TSP	+11.26
		10/95	C/L Speci	VOL		0.43	15TH TSP	+11.84
		10/95	C/L Speci	VOL		0.87	10TH TSP	+14.50
20	41	10/95	Bobbin	ODI	2	0.95	11TH TSP	+39.44
20	48	10/95	Bobbin	ODI	11	0.65	3RD TSP	+22.15
20	49	10/95	Bobbin	ODI	8	0.60	11TH TSP	+32.62
20	60	10/95	Bobbin	ODI	10	0.38	TTS-HL	+19.15
		10/95	Bobbin	ODI	10	0.50	TTS-HL	+19.77
20	61	10/95	Bobbin	NQI		0.26	11TH TSP	+40.38
		10/95	Bobbin	ODI	1	0.58	7TH TSP	+38.09
		10/95	Bobbin	ODI	14	0.46	6TH TSP	+34.12
		10/95	Bobbin	ODI	5	0.60	11TH TSP	+41.44
		10/95	H/L Speci	VOL		0.29	7TH TSP	-8.53
		10/95	H/L Speci	VOL		3.36	8TH TSP	-10.25
20	65	10/95	Bobbin	ODI	1	0.53	15TH TSP	+11.55
		10/95	Bobbin	ODI	9	0.47	15TH TSP	+12.67
20	67	10/95	Bobbin	ODI	5	0.71	3RD TSP	+8.16
		10/95	Bobbin	ODI	6	0.62	3RD TSP	+2.54
		10/95	Bobbin	ODI	7	0.61	3RD TSP	+4.42
		10/95	H/L Speci	VOL		0.26	3RD TSP	+3.04
		10/95	H/L Speci	VOL		0.37	3RD TSP	+9.04
		10/95	H/L Speci	VOL		0.40	3RD TSP	+4.95
20	82	10/95	Bobbin	ODI	14	1.03	11TH TSP	+37.55
20	86	10/95	Bobbin	ODI	16	1.88	7TH TSP	+31.63
		10/95	Bobbin	ODI	6	1.38	11TH TSP	+32.40
		10/95	Bobbin	ODI	26	0.86	11TH TSP	+13.47
20	96	10/95	Bobbin	ODI	9	2.17	12TH TSP	+27.43
		10/95	C/L Speci	VOL		0.76	11TH TSP	-14.81
20	101	10/95	Bobbin	NQI		0.51	2ND TSP	+9.97
20	107	10/95	Bobbin	ODI	10	0.72	10TH TSP	+42.62
21	6	10/95	Bobbin	ODI	20	0.86	7TH TSP	+13.69
		10/95	H/L Speci	VOL		2.38	7TH TSP	+13.69
21	12	10/95	Bobbin	ODI	4	0.64	17TH TSP	+13.12
21	15	10/95	Bobbin	ODI	11	1.56	18TH TSP	+4.70
21	20	10/95	Bobbin	NQI		0.39	11TH TSP	+3.58
		10/95	C/L Speci	VOL		0.63	11TH TSP	+3.73
		10/95	C/L Speci	VOL		0.74	11TH TSP	-1.01
21	24	10/95	Bobbin	ODI	11	1.44	7TH TSP	+25.84
21	26	10/95	Bobbin	NQI		0.46	13TH TSP	+34.42
		10/95	C/L Speci	VOL		0.92	12TH TSP	-8.72
21	30	10/95	Bobbin	NQI		0.22	16TH TSP	+14.84
		10/95	C/L Speci	VOL		0.54	15TH TSP	-3.27
21	34	10/95	Bobbin	ODI	34	0.32	19TH TSP	+4.31
21	36	10/95	Bobbin	ODI	23	0.82	2ND TSP	+34.67
21	38	10/95	Bobbin	ODI	13	0.65	17TH TSP	+13.11
21	44	10/95	Bobbin	ODI	26	1.08	5TH TSP	+21.00
21	45	10/95	Bobbin	ODI	23	0.34	18TH TSP	+5.86
		10/95	Bobbin	ODI	26	0.39	11TH TSP	+35.87
21	49	10/95	Bobbin	ODI	10	1.42	17TH TSP	+4.79
21	56	10/95	Bobbin	ODI	9	2.17	12TH TSP	+24.09
21	59	10/95	Bobbin	NQI		0.74	8TH TSP	+0.24
21	60	10/95	Bobbin	ODI	3	0.88	7TH TSP	+32.16
		10/95	Bobbin	ODI	12	1.42	15TH TSP	+15.45
		10/95	Bobbin	ODI	13	1.70	15TH TSP	+10.25
21	70	10/95	Bobbin	ODI	12	0.51	TTS-HL	+29.28
		10/95	H/L Speci	VOL		0.36	TTS-HL	+27.89
		10/95	H/L Speci	VOL		0.41	2ND TSP	-7.53
21	76	10/95	Bobbin	ADI		4.23	19TH TSP	+0.95
		10/95	C/L Speci	VOL		0.78	19TH TSP	+0.53
21	77	10/95	Bobbin	ODI	8	0.98	10TH TSP	+29.24
21	78	10/95	Bobbin	ODI	9	0.92	5TH TSP	+29.50

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S/G B

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

S/G B - ATTACHMENT #2 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGB
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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21	79	10/95	Bobbin	ODI	15	0.88	2ND TSP	+28.65
		10/95	Bobbin	ODI	13	1.44	16TH TSP	+12.53
		10/95	Bobbin	ODI	17	1.18	16TH TSP	+13.64
21	96	10/95	Bobbin	ODI	30	0.75	14TH TSP	+12.87
21	99	10/95	Bobbin	ODI	8	0.48	16TH TSP	-1.19
22	15	10/95	Bobbin	ODI	12	1.57	14TH TSP	-1.53
		10/95	Bobbin	ODI	27	1.42	12TH TSP	+37.52
22	16	10/95	Bobbin	ODI	1	0.76	10TH TSP	+29.67
22	25	10/95	Bobbin	ODI	8	1.34	13TH TSP	+24.64
		10/95	Bobbin	ODI	32	0.39	15TH TSP	+10.42
22	28	10/95	Bobbin	ODI	5	0.72	18TH TSP	+14.13
		10/95	Bobbin	ODI	11	1.25	18TH TSP	+12.72
		10/95	Bobbin	ODI	16	0.56	16TH TSP	+6.39
22	30	10/95	Bobbin	ODI	19	2.09	2ND TSP	+22.43
22	42	10/95	Bobbin	ODI	15	0.90	19TH TSP	-0.86
22	43	10/95	Bobbin	ODI	1	1.40	11TH TSP	+18.59
22	76	10/95	Bobbin	ODI	20	0.65	10TH TSP	+39.51
		10/95	C/L Speci	VOL		0.73	9TH TSP	-6.51
		10/95	C/L Speci	VOL		1.09	9TH TSP	-3.94
22	93	10/95	Bobbin	NQI		3.34	1AVB	+11.27
		10/95	U-Bend	VOL		1.00	1AVB	+16.73
		10/95	U-Bend	VOL		1.29	1AVB	+7.24
		10/95	U-Bend	VOL		1.79	1AVB	+10.62
22	97	10/95	Bobbin	ODI	23	3.28	3RD TSP	+5.84
22	101	10/95	Bobbin	ODI	2	0.90	8TH TSP	-1.24
		10/95	Bobbin	ODI	8	0.40	7TH TSP	+39.43
22	103	10/95	Bobbin	ODI	5	2.03	15TH TSP	+12.17
		10/95	Bobbin	ODI	7	0.53	15TH TSP	+13.63
		10/95	Bobbin	ODI	7	1.04	19TH TSP	+6.40
22	104	10/95	Bobbin	ODI	12	0.49	7TH TSP	+39.09
22	107	10/95	Bobbin	ODI	12	2.98	TTS-HL	+6.41
		10/95	Bobbin	ODI	9	1.30	2ND TSP	+26.03
		10/95	Bobbin	ODI	11	1.74	6TH TSP	+24.51
		10/95	Bobbin	ODI	12	2.15	3RD TSP	+7.96
		10/95	Bobbin	ODI	14	0.80	4TH TSP	+15.93
22	109	10/95	Bobbin	ODI	8	0.36	11TH TSP	+34.54
23	7	10/95	Bobbin	ADI		1.49	13TH TSP	+30.81
		10/95	C/L Speci	VOL		0.68	12TH TSP	-12.40
23	15	10/95	Bobbin	ODI	7	0.78	18TH TSP	+15.83
23	19	10/95	Bobbin	ODI	3	1.09	6TH TSP	+31.19
		10/95	Bobbin	ODI	4	0.48	1ST TSP	+11.00
		10/95	Bobbin	ODI	15	0.48	6TH TSP	+30.05
23	20	10/95	Bobbin	ODI	27	0.32	7TH TSP	+17.81
23	25	10/95	Bobbin	ADI		2.56	1AVB	+2.73
		10/95	Bobbin	ADI		2.34	11TH TSP	+3.02
		10/95	Bobbin	ODI	11	0.67	10TH TSP	+26.16
		10/95	C/L Speci	VOL		0.74	11TH TSP	+2.66
23	29	10/95	Bobbin	ODI	28	0.46	15TH TSP	+7.02
23	32	10/95	Bobbin	NQI		1.30	12TH TSP	+39.70
		10/95	Bobbin	ODI	28	0.68	7TH TSP	+27.14
		10/95	Bobbin	ODI	28	1.08	7TH TSP	+24.74
		10/95	C/L Speci	VOL		1.17	11TH TSP	-3.53
23	38	10/95	Bobbin	ODI	20	0.91	TTS-HL	+4.38
23	44	10/95	Bobbin	ODI	8	0.61	11TH TSP	+25.63
23	70	10/95	Bobbin	ODI	7	0.78	5TH TSP	+38.64
		10/95	Bobbin	ODI	9	1.02	5TH TSP	+39.73
23	71	10/95	Bobbin	NQI		0.22	13TH TSP	+4.11
		10/95	Bobbin	ODI	15	0.70	13TH TSP	+6.69
23	86	10/95	Bobbin	NQI		1.76	1ST TSP	+18.35
		10/95	H/L Speci	VOL		2.10	2ND TSP	-10.68
23	100	10/95	Bobbin	ODI	8	0.69	4TH TSP	+37.32
23	107	10/95	Bobbin	ODI	7	0.66	1ST TSP	+19.46
23	108	10/95	Bobbin	NQI		0.37	1ST TSP	+15.12
		10/95	Bobbin	ODI	10	1.29	10TH TSP	+38.50
		10/95	C/L Speci	VOL		0.88	9TH TSP	-7.40

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

23	109	10/95	Bobbin	ODI	3	0.67	7TH TSP	+38.13	
		10/95	Bobbin	ODI	18	0.68	7TH TSP	+39.80	
		10/95	Bobbin	ODI	19	0.28	7TH TSP	+37.01	
24	7	10/95	Bobbin	ODI	7	0.69	7TH TSP	+3.68	
24	24	10/95	Bobbin	ODI	3	0.86	2ND TSP	+1.46	
24	52	10/95	Bobbin	ODI	10	0.96	12TH TSP	+5.33	
24	55	10/95	Bobbin	ODI	7	2.14	7TH TSP	+32.04	
		10/95	Bobbin	ODI	12	1.40	7TH TSP	+25.12	
		10/95	Bobbin	ODI	11	0.81	10TH TSP	+25.90	
24	63	10/95	Bobbin	ADI		3.04	17TH TSP	+14.63	
		10/95	C/L Speci	VOL		0.68	16TH TSP	-5.98	
		10/95	C/L Speci	VOL		1.07	16TH TSP	-3.44	
24	66	10/95	Bobbin	ODI	8	1.39	TTS-HL	+6.30	
		10/95	H/L Speci	VOL		0.49	TTS-HL	+6.32	
24	68	10/95	Bobbin	ODI	25	0.90	19TH TSP	+4.12	
		10/95	C/L Speci	VOL		0.83	19TH TSP	+4.29	
24	71	10/95	Bobbin	ODI	5	2.94	8TH TSP	+7.31	
24	86	10/95	Bobbin	ODI	5	1.30	7TH TSP	+37.31	
		10/95	Bobbin	ODI	12	0.70	7TH TSP	+39.28	
24	91	10/95	Bobbin	ODI	15	1.11	2ND TSP	+4.61	
		10/95	Bobbin	ODI	19	0.73	2ND TSP	+5.60	
		10/95	Bobbin	ODI	22	0.78	4TH TSP	+34.74	
		10/95	Bobbin	ODI	8	0.81	12TH TSP	+18.16	
		10/95	Bobbin	ODI	10	0.64	13TH TSP	+27.59	
		10/95	Bobbin	ODI	13	0.53	13TH TSP	+37.63	
		10/95	Bobbin	ODI	14	0.56	13TH TSP	+27.28	
		10/95	Bobbin	ODI	14	0.81	13TH TSP	+24.22	
		10/95	Bobbin	ODI	15	0.96	13TH TSP	+25.87	
		10/95	Bobbin	ODI	19	0.96	13TH TSP	+33.24	
		10/95	Bobbin	ODI	23	0.91	13TH TSP	+30.70	
24	93	10/95	Bobbin	ODI	7	1.11	2ND TSP	+22.91	
		10/95	Bobbin	ODI	24	0.46	2ND TSP	+17.17	
24	94	10/95	Bobbin	ODI	22	0.78	2ND TSP	+19.22	
		10/95	Bobbin	ODI	12	1.35	12TH TSP	+31.51	
24	99	10/95	Bobbin	ODI	8	0.40	4TH TSP	+2.46	
		10/95	Bobbin	ODI	4	0.51	14TH TSP	+6.19	
24	105	10/95	Bobbin	ODI	5	1.25	2ND TSP	+16.56	
24	108	10/95	Bobbin	ODI	19	1.08	4AVB	+8.33	
25	8	10/95	Bobbin	ODI	10	1.33	13TH TSP	+8.20	
25	42	10/95	Bobbin	ODI	9	1.05	1ST TSP	+1.13	
		10/95	Bobbin	ODI	33	0.76	3RD TSP	+11.13	
25	44	10/95	Bobbin	ODI	6	1.08	4TH TSP	+33.04	
25	45	10/95	Bobbin	ODI	8	1.19	5TH TSP	+22.57	
25	49	10/95	Bobbin	ODI	21	0.45	17TH TSP	+1.21	
25	50	10/95	Bobbin	ODI	14	0.94	10TH TSP	+5.19	
25	55	10/95	Bobbin	ODI	5	2.37	12TH TSP	+25.02	
		10/95	Bobbin	ODI	10	0.64	10TH TSP	+18.34	
		10/95	Bobbin	ODI	11	1.28	10TH TSP	+34.35	
		10/95	Bobbin	ODI	15	1.42	10TH TSP	+18.87	
		10/95	C/L Speci	VOL		0.39	12TH TSP	+23.43	
		10/95	C/L Speci	VOL		0.52	12TH TSP	+25.58	
		10/95	C/L Speci	VOL		0.64	10TH TSP	+32.38	
		10/95	C/L Speci	VOL		0.65	10TH TSP	+17.98	
25	60	10/95	Bobbin	ODI	4	0.96	3RD TSP	+16.98	
25	67	10/95	Bobbin	ODI	23	1.95	9TH TSP	+23.15	
25	75	10/95	Bobbin	ODI	12	2.03	16TH TSP	+7.91	
		10/95	Bobbin	ODI	19	0.71	16TH TSP	+13.39	
25	80	10/95	Bobbin	ODI	7	1.09	3RD TSP	+5.06	
		10/95	H/L Speci	VOL		0.90	3RD TSP	+4.55	
25	81	10/95	Bobbin	NQI		0.56	10TH TSP	+23.07	
		10/95	Bobbin	ADI		2.98	12TH TSP	-5.53 to +37.06	
		10/95	C/L Speci	VOL		1.12	10TH TSP	+23.53	
		10/95	C/L Speci	VOL		1.04	12TH TSP	-5.00 to +41.58	
25	85	10/95	Bobbin	ADI		4.33	8TH TSP	+14.17	
		10/95	Bobbin	ODI	17	1.28	1ST TSP	+2.81	

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

25	86	10/95	Bobbin	ODI	11	0.58	10TH TSP	+19.95
25	88	10/95	Bobbin	ODI	33	1.95	5TH TSP	+20.16
26	8	10/95	Bobbin	NQI		0.96	6TH TSP	+35.52
		10/95	H/L Speci	VOL		1.42	7TH TSP	-7.31
26	29	10/95	Bobbin	NQI		0.51	6TH TSP	+3.00
		10/95	H/L Speci	VOL		0.76	6TH TSP	+3.20
26	34	10/95	U-Bend	VOL		1.08	8TH TSP	+10.49
		10/95	Bobbin	ODI	8	2.12	8TH TSP	+10.21
26	36	10/95	Bobbin	ODI	4	1.34	11TH TSP	+1.43
26	38	10/95	Bobbin	ODI	8	1.49	16TH TSP	+6.55
26	40	10/95	Bobbin	ADI		4.61	1AVB	+6.35
26	50	10/95	Bobbin	NQI		0.62	12TH TSP	+28.45 to +37.30
		10/95	C/L Speci	VOL		0.27	11TH TSP	-15.55 to -5.70
26	52	10/95	Bobbin	NQI		0.68	17TH TSP	+6.68
		10/95	C/L Speci	VOL		0.51	17TH TSP	+7.13
26	55	10/95	Bobbin	ODI	8	0.77	10TH TSP	+42.27
26	60	10/95	Bobbin	ODI	19	0.94	7TH TSP	+23.97
		10/95	H/L Speci	VOL		0.64	7TH TSP	+25.81
26	61	10/95	Bobbin	ODI	8	0.41	12TH TSP	+13.63
26	62	10/95	Bobbin	ADI		3.59	12TH TSP	+12.76
		10/95	C/L Speci	VOL		1.10	12TH TSP	+12.09
26	66	10/95	Bobbin	NQI		1.01	4TH TSP	+40.98
		10/95	Bobbin	NQI		1.45	2ND TSP	+12.56
		10/95	H/L Speci	VOL		0.45	5TH TSP	-1.94
26	83	10/95	Bobbin	ODI	8	0.91	12TH TSP	+10.26
		10/95	Bobbin	ODI	14	0.46	18TH TSP	+3.88
		10/95	Bobbin	ODI	17	0.58	17TH TSP	+4.26
		10/95	Bobbin	ODI	22	0.30	11TH TSP	+4.24
26	86	10/95	Bobbin	ADI		0.99	16TH TSP	+5.84
		10/95	Bobbin	ADI		1.41	11TH TSP	+6.06
		10/95	Bobbin	ADI		1.93	15TH TSP	+8.08
		10/95	Bobbin	NQI		0.77	10TH TSP	+39.09
		10/95	Bobbin	NQI		1.23	18TH TSP	+16.08
		10/95	Bobbin	ODI	17	0.93	3RD TSP	+20.00
		10/95	C/L Speci	VOL		0.72	9TH TSP	-5.65
		10/95	C/L Speci	VOL		0.30	15TH TSP	+7.69
		10/95	C/L Speci	VOL		0.49	16TH TSP	+5.98
		10/95	C/L Speci	VOL		0.61	11TH TSP	+5.94
		10/95	C/L Speci	VOL		0.80	15TH TSP	+8.78
		10/95	C/L Speci	VOL		0.96	17TH TSP	-2.46
26	92	10/95	Bobbin	ODI	2	0.78	12TH TSP	+36.40
26	96	10/95	Bobbin	ODI	15	1.38	7TH TSP	+38.00
26	102	10/95	Bobbin	ODI	11	1.72	7TH TSP	+40.93
		10/95	Bobbin	ODI	23	0.88	7TH TSP	+39.83
26	105	10/95	Bobbin	ODI	26	0.87	8TH TSP	+12.99
27	10	10/95	Bobbin	ODI	29	1.92	10TH TSP	+43.17
27	27	10/95	Bobbin	ODI	16	2.39	10TH TSP	+43.53
27	31	10/95	Bobbin	ODI	25	0.28	TTS-CL	+1.77
		10/95	Bobbin	ODI	8	1.60	2ND TSP	-1.05
		10/95	H/L Speci	VOL		0.67	2ND TSP	-0.99
27	32	10/95	Bobbin	ODI	5	0.89	11TH TSP	+23.93
27	39	10/95	Bobbin	ODI	8	1.14	2ND TSP	+22.17
27	43	10/95	Bobbin	ODI	2	0.92	11TH TSP	+8.27
		10/95	Bobbin	ODI	8	0.78	12TH TSP	+33.00
		10/95	Bobbin	ODI	11	0.76	12TH TSP	+14.34
27	50	10/95	Bobbin	ODI	8	1.07	19TH TSP	+8.41
		10/95	Bobbin	ODI	10	1.24	18TH TSP	+14.39
		10/95	C/L Speci	VOL		0.39	19TH TSP	+8.70
		10/95	C/L Speci	VOL		0.46	18TH TSP	+16.59
		10/95	C/L Speci	VOL		0.61	18TH TSP	+14.32
27	53	10/95	Bobbin	ODI	9	0.87	5TH TSP	+39.74
27	54	10/95	Bobbin	NQI		0.66	3RD TSP	+11.49
		10/95	Bobbin	ODI	9	1.24	17TH TSP	+12.35
		10/95	C/L Speci	VOL		0.40	17TH TSP	+9.89
		10/95	C/L Speci	VOL		0.42	17TH TSP	+12.40

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

27	55	10/95	Bobbin	NQI		0.85	7TH TSP	+32.54	
		10/95	H/L Speci	VOL		0.81	7TH TSP	+33.35	
		10/95	H/L Speci	VOL		0.79	7TH TSP	+25.17	to +30.95
27	59	10/95	Bobbin	NQI		0.21	7TH TSP	+40.42	
		10/95	Bobbin	ODI	11	0.75	8TH TSP	-1.35	
		10/95	Bobbin	ODI	26	0.37	12TH TSP	+1.77	
27	60	10/95	Bobbin	WAR	26	1.15	2AVB	+0.00	
		10/95	Bobbin	NQI		0.64	7TH TSP	+40.15	
		10/95	Bobbin	ODI	4	1.59	8TH TSP	-0.88	
27	61	10/95	Bobbin	ODI	7	0.55	7TH TSP	+33.27	
27	75	10/95	Bobbin	ODI	9	1.97	8TH TSP	+5.61	
27	84	10/95	Bobbin	ODI	15	1.63	6TH TSP	+32.57	
28	22	10/95	Bobbin	ODI	2	0.94	7TH TSP	+16.81	
28	35	10/95	Bobbin	ODI	12	1.53	17TH TSP	+1.75	
		10/95	C/L Speci	VOL		0.70	17TH TSP	+1.92	
28	59	10/95	Bobbin	NQI		0.22	9TH TSP	-1.26	
28	63	10/95	Bobbin	ODI	4	1.16	6TH TSP	+28.05	
28	66	10/95	Bobbin	ODI	4	1.01	18TH TSP	+1.30	
28	67	10/95	Bobbin	ODI	11	0.88	14TH TSP	+12.97	
28	84	10/95	Bobbin	ADI		0.88	11TH TSP	+25.65	
		10/95	Bobbin	ADI		2.25	16TH TSP	+6.78	
		10/95	C/L Speci	VOL		0.48	10TH TSP	-19.30	
		10/95	C/L Speci	VOL		0.82	16TH TSP	+7.28	
28	93	10/95	U-Bend	VOL		0.53	1AVB	+16.16	
		10/95	Bobbin	ODI	17	1.28	1AVB	+15.99	
		10/95	Bobbin	ODI	2	1.89	10TH TSP	+42.07	
28	94	10/95	Bobbin	ODI	24	1.01	8TH TSP	-1.46	
		10/95	Bobbin	ODI	9	0.57	12TH TSP	+17.96	
28	99	10/95	Bobbin	ODI	8	0.63	7TH TSP	+21.89	
29	55	10/95	Bobbin	NQI		0.91	8TH TSP	-0.77	
		10/95	Bobbin	ODI	2	2.45	10TH TSP	+35.94	
		10/95	Bobbin	ODI	5	0.76	10TH TSP	+42.45	
		10/95	Bobbin	ODI	12	0.59	10TH TSP	+32.39	
		10/95	Bobbin	ODI	18	0.67	10TH TSP	+32.98	
29	64	10/95	Bobbin	ODI	8	1.13	1ST TSP	+2.88	
29	67	10/95	Bobbin	ODI	12	1.73	1ST TSP	+8.36	
29	68	10/95	Bobbin	ODI	6	1.29	6TH TSP	+35.43	
29	79	10/95	Bobbin	ODI	29	0.55	10TH TSP	+42.77	
29	85	10/95	Bobbin	NQI		0.70	3RD TSP	+26.38	
		10/95	H/L Speci	VOL		1.81	4TH TSP	-9.83	
29	86	10/95	Bobbin	ODI	1	0.67	8TH TSP	-1.07	
29	88	10/95	Bobbin	ODI	13	1.19	7TH TSP	+13.14	
		10/95	Bobbin	ODI	24	0.38	11TH TSP	+34.69	
		10/95	H/L Speci	VOL		1.15	7TH TSP	+14.35	
29	89	10/95	Bobbin	ODI	27	1.81	9TH TSP	+17.39	
29	95	10/95	Bobbin	ODI	11	0.57	3RD TSP	+15.44	
		10/95	H/L Speci	VOL		0.23	3RD TSP	+14.76	
29	98	10/95	Bobbin	ODI	11	1.28	13TH TSP	+34.37	
29	100	10/95	Bobbin	ODI	3	1.19	13TH TSP	+6.75	
		10/95	Bobbin	ODI	15	0.66	14TH TSP	+15.46	
29	104	10/95	Bobbin	ODI	3	0.73	13TH TSP	+3.79	
		10/95	Bobbin	ODI	10	1.82	13TH TSP	+39.57	
		10/95	Bobbin	ODI	12	1.21	12TH TSP	+5.63	
29	105	10/95	Bobbin	ODI	30	2.03	TTS-HL	+2.50	
30	22	10/95	Bobbin	ODI	2	0.58	13TH TSP	+4.77	
30	23	10/95	Bobbin	ODI	16	0.89	12TH TSP	+38.99	
30	31	10/95	Bobbin	ODI	10	1.12	8TH TSP	+6.68	
30	33	10/95	Bobbin	ODI	15	0.48	12TH TSP	+21.78	
30	34	10/95	Bobbin	ODI	17	0.39	14TH TSP	+11.33	
		10/95	C/L Speci	VOL		0.11	14TH TSP	+11.48	
30	45	10/95	Bobbin	ODI	26	1.51	3RD TSP	+19.70	
30	49	10/95	Bobbin	ODI	8	1.27	10TH TSP	+43.05	
30	51	10/95	Bobbin	ODI	28	1.20	5TH TSP	+9.78	
		10/95	Bobbin	ODI	9	1.00	10TH TSP	+38.23	
30	64	10/95	Bobbin	ODI	23	0.69	TTS-CL	+2.07	

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	12	1.09	2ND TSP	+7.03
		10/95	Bobbin	ODI	18	3.75	2ND TSP	+13.41
30	68	10/95	Bobbin	ODI	13	0.59	2ND TSP	+18.00
30	70	10/95	Bobbin	ODI	2	2.17	4AVB	+12.00
30	73	10/95	Bobbin	ODI	23	0.46	4AVB	+17.12
		10/95	Bobbin	NQI		1.33	10TH TSP	+5.34
		10/95	Bobbin	NQI		1.36	12TH TSP	+15.37
		10/95	Bobbin	ODI	23	2.27	4TH TSP	+19.91
		10/95	Bobbin	ODI	11	1.12	12TH TSP	+10.60
		10/95	C/L Spec	VOL		0.41	12TH TSP	+7.18
		10/95	C/L Spec	VOL		0.60	12TH TSP	+11.72
		10/95	C/L Spec	VOL		0.77	12TH TSP	+16.94
		10/95	C/L Spec	VOL		0.82	10TH TSP	+5.43
30	89	10/95	Bobbin	NQI		1.03	18TH TSP	+16.43
		10/95	C/L Spec	VOL		0.44	17TH TSP	-3.55
		10/95	C/L Spec	VOL		1.34	17TH TSP	-2.25
30	94	10/95	Bobbin	ODI	11	0.94	10TH TSP	+36.39
30	95	10/95	Bobbin	NQI		0.77	4AVB	+7.43
		10/95	Bobbin	ODI	1	1.15	4AVB	+16.47
		10/95	Bobbin	ODI	19	1.12	4AVB	+11.17
		10/95	Bobbin	NQI		1.19	9TH TSP	+22.07
30	99	10/95	Bobbin	ODI	8	2.02	1ST TSP	+17.03
		10/95	Bobbin	ODI	10	1.44	11TH TSP	+11.41
		10/95	Bobbin	ODI	15	0.94	13TH TSP	+29.57
30	101	10/95	Bobbin	ODI	11	1.08	11TH TSP	+28.54
31	19	10/95	Bobbin	ODI	27	0.58	10TH TSP	+41.78
31	20	10/95	Bobbin	ODI	11	0.75	7TH TSP	+22.66
31	25	10/95	Bobbin	ODI	7	0.69	18TH TSP	+7.39
31	30	10/95	Bobbin	ODI	12	0.65	19TH TSP	+5.63
31	31	10/95	Bobbin	ODI	14	0.85	11TH TSP	+18.65
31	32	10/95	Bobbin	NQI		0.78	13TH TSP	+40.28
		10/95	Bobbin	NQI		1.14	16TH TSP	+6.48
		10/95	C/L Spec	VOL		0.97	16TH TSP	+6.82
31	40	10/95	Bobbin	ODI	14	0.73	10TH TSP	+6.26
		10/95	C/L Spec	VOL		0.85	10TH TSP	+5.94
31	44	10/95	Bobbin	ODI	16	0.70	6TH TSP	+7.76
31	60	10/95	Bobbin	ODI	24	0.31	9TH TSP	-1.44
31	70	10/95	Bobbin	NQI		0.73	1ST TSP	+5.25
		10/95	Bobbin	NQI		1.26	1ST TSP	+7.60
		10/95	Bobbin	ODI	31	0.22	3RD TSP	+32.37
		10/95	H/L Spec	VOL		0.76	1ST TSP	+5.20
		10/95	H/L Spec	VOL		1.30	1ST TSP	+7.66
31	78	10/95	Bobbin	ODI	11	1.74	7TH TSP	+12.56
31	83	10/95	Bobbin	ODI	19	0.44	17TH TSP	+11.91
		10/95	C/L Spec	VOL		0.70	17TH TSP	+13.58
31	88	10/95	Bobbin	ODI	17	0.59	18TH TSP	+2.78
31	94	10/95	Bobbin	ODI	4	0.35	4AVB	+0.99
		10/95	Bobbin	ODI	12	1.08	2ND TSP	+26.75
		10/95	H/L Spec	VOL		0.12	3RD TSP	-9.56
31	101	10/95	Bobbin	ODI	8	0.60	18TH TSP	+5.56
		10/95	Bobbin	ODI	25	1.07	11TH TSP	+36.27
		10/95	C/L Spec	VOL		0.41	18TH TSP	+5.00
		10/95	C/L Spec	VOL		1.03	10TH TSP	-6.58
31	104	10/95	Bobbin	ODI	8	0.75	3RD TSP	+29.19
		10/95	Bobbin	ODI	9	0.76	16TH TSP	+11.16
32	12	10/95	Bobbin	ODI	3	1.26	5TH TSP	+11.90
		10/95	Bobbin	ODI	9	1.25	5TH TSP	+10.44
32	14	10/95	Bobbin	ADI		5.55	13TH TSP	+11.03
		10/95	C/L Spec	VOL		0.80	13TH TSP	+15.11
		10/95	C/L Spec	VOL		1.45	13TH TSP	+10.64
32	25	10/95	Bobbin	ODI	21	1.72	13TH TSP	+24.79
32	44	10/95	Bobbin	ODI	2	0.76	13TH TSP	+7.05
32	45	10/95	Bobbin	ODI	7	1.11	18TH TSP	+16.55
32	53	10/95	Bobbin	ADI		3.97	7TH TSP	+13.61
		10/95	H/L Spec	VOL		0.74	7TH TSP	+14.61

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
32	60	10/95	Bobbin	ODI	11	0.86	5TH TSP	+29.01
		10/95	Bobbin	ODI	15	0.81	4TH TSP	+24.62
		10/95	Bobbin	ODI	4	2.11	11TH TSP	+23.42
32	75	10/95	Bobbin	ODI	27	0.36	3RD TSP	+16.36
32	78	10/95	Bobbin	WAR	15	0.68	3AVB	+0.00
32	83	10/95	Bobbin	ADI		2.41	11TH TSP	+34.27
		10/95	C/L Speci	VOL		0.86	10TH TSP	-10.86
32	90	10/95	Bobbin	ODI	17	1.34	18TH TSP	+13.33
		10/95	C/L Speci	VOL		0.26	18TH TSP	+10.39
		10/95	C/L Speci	VOL		0.91	18TH TSP	+13.42
32	93	10/95	Bobbin	ODI	14	2.05	5TH TSP	+24.38
		10/95	H/L Speci	VOL		0.99	6TH TSP	-18.91
32	95	10/95	Bobbin	ODI	2	1.17	5TH TSP	+3.98
		10/95	Bobbin	ODI	9	1.42	7TH TSP	+40.24
32	101	10/95	Bobbin	ODI	10	0.37	3RD TSP	+10.24
		10/95	Bobbin	ODI	21	0.45	3RD TSP	+13.95
		10/95	Bobbin	ODI	25	0.49	3RD TSP	+15.95
32	103	10/95	Bobbin	WAR	6	0.27	3AVB	+0.00
		10/95	Bobbin	WAR	11	0.45	4AVB	+0.00
		10/95	Bobbin	WAR	12	0.51	2AVB	+0.00
33	14	10/95	Bobbin	ODI	7	0.39	7TH TSP	+18.08
		10/95	Bobbin	ODI	19	0.58	7TH TSP	+32.94
33	17	10/95	Bobbin	NQI		0.98	7TH TSP	+39.44
33	25	10/95	Bobbin	ODI	8	0.85	16TH TSP	+2.67
		10/95	Bobbin	ODI	15	2.47	16TH TSP	+1.72
		10/95	C/L Speci	VOL		1.56	16TH TSP	+1.28 to +3.72
33	38	10/95	Bobbin	ODI	17	0.46	5TH TSP	+3.15
		10/95	Bobbin	ODI	33	0.25	11TH TSP	+32.22
33	42	10/95	Bobbin	ODI	4	1.20	13TH TSP	+25.08
33	61	10/95	Bobbin	ODI	5	1.07	2ND TSP	+8.90
33	65	10/95	Bobbin	ODI	15	3.02	18TH TSP	+15.65
33	69	10/95	Bobbin	ODI	32	0.56	8TH TSP	+1.11
33	71	10/95	Bobbin	ODI	15	2.11	8TH TSP	+1.30
33	72	10/95	Bobbin	ODI	11	2.06	8TH TSP	+1.60
33	75	10/95	Bobbin	ODI	11	1.05	8TH TSP	+1.92
33	76	10/95	Bobbin	ODI	14	1.14	8TH TSP	+1.68
33	79	10/95	Bobbin	NQI		0.78	7TH TSP	+27.88
		10/95	H/L Speci	VOL		0.76	8TH TSP	-15.69
33	80	10/95	Bobbin	NQI		1.06	13TH TSP	+25.33
		10/95	C/L Speci	VOL		0.91	13TH TSP	+25.41
33	86	10/95	Bobbin	NQI		0.36	3RD TSP	+30.70
		10/95	Bobbin	NQI		0.76	5TH TSP	+8.34
		10/95	Bobbin	ODI	6	0.66	6TH TSP	+14.85
		10/95	Bobbin	ODI	26	0.66	11TH TSP	+13.21
		10/95	C/L Speci	VOL		0.43	11TH TSP	+13.08
33	101	10/95	Bobbin	ODI	5	0.79	12TH TSP	+14.16
33	102	10/95	Bobbin	ODI	8	0.63	3RD TSP	+34.10
33	103	10/95	Bobbin	WAR	13	0.54	1AVB	+0.00
34	18	10/95	Bobbin	ODI	21	0.89	9TH TSP	-0.95
		10/95	Bobbin	ODI	12	0.68	12TH TSP	+28.87
34	35	10/95	Bobbin	ODI	13	0.68	11TH TSP	+8.02
34	40	10/95	Bobbin	ODI	7	1.58	19TH TSP	+1.51
34	43	10/95	Bobbin	ODI	11	0.66	7TH TSP	+38.26
34	61	10/95	H/L Tubes	VOL		0.93	TTS-HL	+0.04
34	62	10/95	Bobbin	ODI	12	2.30	10TH TSP	+25.61
34	63	10/95	Bobbin	ODI	19	0.60	7TH TSP	+40.24
		10/95	H/L Speci	VOL		0.64	8TH TSP	-2.88
34	79	10/95	Bobbin	ODI	2	0.57	2ND TSP	+18.59
34	92	10/95	Bobbin	ODI	17	0.74	1ST TSP	+21.13
		10/95	H/L Speci	VOL		1.36	2ND TSP	-7.98
34	93	10/95	Bobbin	ODI	3	0.65	14TH TSP	+13.53
		10/95	C/L Speci	VOL		0.61	14TH TSP	+13.75
34	100	10/95	Bobbin	ODI	15	1.65	7TH TSP	+26.59
		10/95	H/L Speci	VOL		2.10	7TH TSP	+28.07
34	102	10/95	Bobbin	NQI		0.61	7TH TSP	+32.72

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S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	1	1.36	7TH TSP	+33.85	
35	16	10/95	H/L Tubes	VOL		0.18	TTS-HL	+0.05	
35	17	10/95	Bobbin	ODI	34	0.47	7TH TSP	+40.84	
35	34	10/95	Bobbin	NQI		0.41	10TH TSP	+39.89	
		10/95	Bobbin	ODI	16	1.98	1ST TSP	+5.55	
35	35	10/95	Bobbin	ODI	8	0.75	7TH TSP	+26.26	
		10/95	Bobbin	ODI	10	1.22	7TH TSP	+29.71	
		10/95	Bobbin	ODI	16	0.59	7TH TSP	+15.04	
35	36	10/95	Bobbin	ODI	23	0.35	12TH TSP	+18.96	
35	37	10/95	Bobbin	ODI	19	1.26	12TH TSP	+34.65	
35	38	10/95	Bobbin	ODI	36	0.81	11TH TSP	+19.23	
		10/95	C/L Speci	VOL		0.35	11TH TSP	+23.46	
		10/95	C/L Speci	VOL		0.52	11TH TSP	+19.74	
35	44	10/95	Bobbin	ODI	7	1.06	11TH TSP	+12.03	
		10/95	C/L Speci	VOL		0.36	11TH TSP	+12.42	
35	47	10/95	Bobbin	ODI	13	1.94	2AVB	+9.58	
35	48	10/95	Bobbin	ODI	23	0.83	15TH TSP	+11.91	
35	60	10/95	Bobbin	ODI	13	0.68	4TH TSP	+26.92	
		10/95	H/L Speci	VOL		0.45	5TH TSP	-17.01	
35	64	10/95	Bobbin	ODI	27	0.83	11TH TSP	+13.89	
35	65	10/95	Bobbin	ODI	3	0.72	18TH TSP	+5.54	
35	66	10/95	Bobbin	NQI		0.47	1ST TSP	+6.75	
		10/95	Bobbin	ODI	35	0.52	TTS-HL	+3.00	
		10/95	Bobbin	ODI	17	0.47	1ST TSP	+19.16	
35	72	10/95	Bobbin	ODI	6	2.03	1AVB	+15.48	
35	81	10/95	Bobbin	ODI	25	0.79	12TH TSP	+1.48	
35	86	10/95	Bobbin	ODI	28	0.63	1ST TSP	+22.84	
35	91	10/95	Bobbin	ODI	32	0.37	18TH TSP	+1.20	
35	93	10/95	Bobbin	NQI		0.53	12TH TSP	+40.01	
		10/95	Bobbin	NQI		0.81	12TH TSP	+37.51	
		10/95	C/L Speci	VOL		0.83	11TH TSP	-7.64	to -0.73
36	19	10/95	Bobbin	ODI	20	0.97	8TH TSP	-1.24	
36	24	10/95	Bobbin	NQI		1.01	4AVB	+5.24	
		10/95	U-Bend	VOL		1.52	4AVB	+4.79	
36	26	10/95	Bobbin	NQI		0.88	7TH TSP	+18.26	
		10/95	Bobbin	ODI	17	0.25	10TH TSP	+2.19	
36	32	10/95	Bobbin	ODI	13	0.36	7TH TSP	+24.62	
		10/95	Bobbin	ODI	18	0.31	7TH TSP	+31.60	
		10/95	Bobbin	ODI	32	0.82	15TH TSP	+12.16	
		10/95	C/L Speci	VOL		0.68	15TH TSP	+12.21	
36	34	10/95	Bobbin	ADI		3.88	6TH TSP	+36.06	
		10/95	H/L Speci	VOL		1.31	7TH TSP	-6.71	
36	35	10/95	Bobbin	ODI	28	0.88	7TH TSP	+28.12	
36	42	10/95	Bobbin	ODI	9	0.80	7TH TSP	+40.90	
		10/95	Bobbin	ODI	29	0.47	7TH TSP	+21.33	
		10/95	Bobbin	ODI	9	0.72	10TH TSP	+37.02	
36	44	10/95	Bobbin	NQI		0.60	12TH TSP	+6.80	
		10/95	C/L Speci	VOL		0.90	12TH TSP	+6.95	
36	56	10/95	Bobbin	NQI		0.50	TTS-HL	+3.16	
		10/95	H/L Tubes	PIT		0.25	TTS-HL	+3.11	
		10/95	H/L Speci	VOL		0.25	TTS-HL	+3.11	
36	63	10/95	Bobbin	NQI		0.45	19TH TSP	+3.89	
		10/95	Bobbin	NQI		0.62	19TH TSP	+7.35	
		10/95	Bobbin	ODI	6	0.62	12TH TSP	+36.07	
		10/95	Bobbin	ODI	26	0.42	19TH TSP	+6.34	
		10/95	C/L Speci	VOL		0.75	19TH TSP	+4.21	
		10/95	C/L Speci	VOL		0.85	19TH TSP	+7.80	
36	74	10/95	Bobbin	ODI	4	0.45	18TH TSP	+15.99	
36	79	10/95	Bobbin	NQI		0.50	7TH TSP	+25.40	
		10/95	Bobbin	NQI		1.07	1ST TSP	+15.02	
		10/95	Bobbin	NQI		1.21	5TH TSP	+20.21	
		10/95	Bobbin	ODI	8	1.00	1ST TSP	+13.89	
		10/95	H/L Speci	VOL		0.57	8TH TSP	-18.34	
		10/95	H/L Speci	VOL		1.17	6TH TSP	-23.59	
36	82	10/95	Bobbin	ODI	8	1.54	3RD TSP	+27.61	

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S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
36	84	10/95	Bobbin	NQI		0.80	2ND TSP	+24.17
		10/95	Bobbin	ODI	21	0.38	2ND TSP	+26.97
		10/95	Bobbin	ODI	28	1.35	6TH TSP	+30.32
36	94	10/95	Bobbin	NQI		0.71	15TH TSP	+13.56
		10/95	C/L Speci	VOL		0.73	15TH TSP	+13.61
36	99	10/95	Bobbin	WAR	9	0.38	4AVB	+0.00
		10/95	Bobbin	NQI		0.67	TTS-HL	+4.89
37	16	10/95	Bobbin	ODI	18	1.89	9TH TSP	+1.67
37	18	10/95	Bobbin	ODI	14	1.89	9TH TSP	+1.97
		10/95	Bobbin	ODI	2	0.89	16TH TSP	+12.79
		10/95	Bobbin	ODI	16	0.73	15TH TSP	+3.56
37	22	10/95	Bobbin	ODI	16	0.42	11TH TSP	+25.41
37	32	10/95	Bobbin	ODI	6	0.58	7TH TSP	+37.09
37	36	10/95	Bobbin	ODI	10	0.33	14TH TSP	+15.62
37	40	10/95	Bobbin	ODI	12	1.37	5TH TSP	+25.25
		10/95	Bobbin	ODI	16	1.99	2ND TSP	+32.87
		10/95	Bobbin	ODI	9	3.91	10TH TSP	+14.20
		10/95	Bobbin	ODI	13	1.88	19TH TSP	+5.12
37	44	10/95	Bobbin	ODI	5	0.90	2ND TSP	+16.54
		10/95	Bobbin	ODI	12	0.68	2ND TSP	+12.29
		10/95	Bobbin	ODI	15	1.06	2ND TSP	+17.72
		10/95	H/L Speci	VOL		0.44	2ND TSP	+18.52
37	47	10/95	Bobbin	ODI	13	1.87	17TH TSP	+7.47
		10/95	Bobbin	ODI	15	0.69	10TH TSP	+41.54
		10/95	Bobbin	ODI	16	0.73	17TH TSP	+8.41
37	51	10/95	Bobbin	ODI	9	1.36	6TH TSP	+10.39
37	67	10/95	Bobbin	ODI	8	1.08	6TH TSP	+1.76
		10/95	Bobbin	ODI	8	1.45	6TH TSP	+3.94
37	88	10/95	Bobbin	ODI	8	2.28	5TH TSP	+10.03
37	89	10/95	Bobbin	ODI	4	2.38	11TH TSP	+26.99
		10/95	Bobbin	ODI	9	2.07	14TH TSP	+11.64
37	96	10/95	Bobbin	WAR	15	0.68	4AVB	+0.00
37	97	10/95	Bobbin	ODI	8	1.09	1ST TSP	+4.63
37	99	10/95	Bobbin	WAR	17	0.79	4AVB	+0.00
38	18	10/95	Bobbin	ODI	30	0.55	8TH TSP	-0.49
		10/95	Bobbin	ODI	9	1.14	11TH TSP	+17.41
38	19	10/95	Bobbin	ODI	22	0.51	10TH TSP	+37.68
38	24	10/95	Bobbin	ODI	9	0.39	7TH TSP	+11.85
		10/95	Bobbin	ODI	23	0.28	7TH TSP	+10.76
		10/95	Bobbin	ODI	11	1.39	11TH TSP	+30.87
		10/95	C/L Speci	VOL		0.40	10TH TSP	-12.48
38	25	10/95	Bobbin	ADI		1.27	14TH TSP	+11.65
		10/95	Bobbin	ODI	7	0.54	11TH TSP	+26.80
38	27	10/95	Bobbin	ADI		1.13	13TH TSP	+5.18
		10/95	Bobbin	ODI	9	0.64	11TH TSP	+27.02
		10/95	C/L Speci	VOL		0.53	13TH TSP	+5.06
38	29	10/95	Bobbin	ODI	21	0.41	17TH TSP	+8.89
38	30	10/95	Bobbin	ODI	5	1.07	4AVB	+16.36
38	32	10/95	Bobbin	ODI	13	0.57	7TH TSP	+38.62
		10/95	Bobbin	ODI	13	0.37	10TH TSP	+27.87
38	36	10/95	Bobbin	ODI	20	0.83	7TH TSP	+12.27
38	59	10/95	Bobbin	ODI	3	1.99	9TH TSP	+9.66
		10/95	Bobbin	ODI	8	1.01	2ND TSP	+17.97
		10/95	Bobbin	ODI	1	0.68	12TH TSP	+7.46
		10/95	Bobbin	ODI	3	0.92	17TH TSP	+10.02
38	60	10/95	Bobbin	ODI	2	2.09	9TH TSP	+13.94
		10/95	Bobbin	ODI	8	2.74	1ST TSP	+14.98
		10/95	Bobbin	ODI	9	0.57	2ND TSP	+3.34
38	61	10/95	Bobbin	ODI	2	1.88	9TH TSP	+110.31
		10/95	Bobbin	ODI	6	1.83	5TH TSP	+9.86
38	62	10/95	Bobbin	ODI	19	0.66	8TH TSP	-1.47
38	64	10/95	Bobbin	ODI	5	1.22	13TH TSP	+39.90
		10/95	Bobbin	ODI	6	1.52	18TH TSP	+11.09
		10/95	Bobbin	ODI	11	1.62	13TH TSP	+21.12
38	65	10/95	Bobbin	ODI	7	1.59	9TH TSP	+22.09

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S/G B

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	4	1.31	11TH TSP	+26.81	
		10/95	Bobbin	ODI	11	2.62	18TH TSP	+12.63	
		10/95	C/L Speci	VOL		0.92	10TH TSP	-17.28	
		10/95	C/L Speci	VOL		1.34	18TH TSP	+12.81	
38	66	10/95	Bobbin	ODI	5	2.94	1ST TSP	+13.29	
		10/95	Bobbin	ODI	11	1.03	4TH TSP	+4.58	
		10/95	Bobbin	ODI	37	0.30	9TH TSP	-0.43	
		10/95	Bobbin	ODI	2	0.83	11TH TSP	+28.07	
		10/95	Bobbin	ODI	14	1.21	12TH TSP	+29.09	
		10/95	C/L Speci	VOL		0.54	11TH TSP	-14.68	
		10/95	C/L Speci	VOL		0.60	10TH TSP	-15.62	
38	69	10/95	Bobbin	NQI		1.13	11TH TSP	+29.22	
		10/95	C/L Speci	VOL		1.48	10TH TSP	-15.24	
38	75	10/95	Bobbin	NQI		0.61	14TH TSP	+8.50	
		10/95	Bobbin	NQI		1.14	17TH TSP	+13.11	
		10/95	C/L Speci	VOL		0.86	17TH TSP	+13.39	
		10/95	C/L Speci	VOL		0.62	14TH TSP	+5.90	to +10.72
38	76	10/95	Bobbin	NQI		1.19	4TH TSP	+28.00	
		10/95	H/L Speci	VOL		0.80	5TH TSP	-15.37	
38	80	10/95	U-Bend	VOL		1.31	3AVB	+0.00	
		10/95	Bobbin	WAR	23	1.14	1AVB	+0.00	
		10/95	Bobbin	WAR	24	1.17	2AVB	+0.00	
		10/95	Bobbin	WAR	37	2.39	3AVB	+0.00	
38	83	10/95	Bobbin	NQI		0.47	3RD TSP	+5.14	
		10/95	Bobbin	ODI	8	0.96	1ST TSP	+15.92	
38	84	10/95	Bobbin	ODI	14	1.27	1ST TSP	+5.35	
38	85	10/95	Bobbin	NQI		0.52	2ND TSP	+11.52	
		10/95	Bobbin	NQI		0.63	2ND TSP	+10.40	
		10/95	Bobbin	ODI	9	0.92	TTS-HL	+5.93	
		10/95	Bobbin	NQI		0.68	12TH TSP	-1.49	
		10/95	C/L Speci	VOL		0.61	12TH TSP	-1.45	
38	86	10/95	Bobbin	NQI		1.14	3RD TSP	+7.36	
		10/95	Bobbin	ADI		2.29	14TH TSP	+13.96	
		10/95	C/L Speci	VOL		0.58	14TH TSP	+13.65	
38	91	10/95	Bobbin	ODI	7	1.70	1ST TSP	+14.44	
		10/95	H/L Speci	VOL		0.41	2ND TSP	-14.79	
38	92	10/95	Bobbin	ODI	4	2.35	4TH TSP	+30.25	
38	96	10/95	Bobbin	ODI	1	5.02	4AVB	-1.41	
		10/95	Bobbin	ODI	11	0.55	16TH TSP	+12.76	
38	97	10/95	Bobbin	ODI	10	0.61	1ST TSP	+15.54	
		10/95	Bobbin	ODI	15	1.15	7TH TSP	+34.06	
38	99	10/95	Bobbin	ODI	2	1.62	1ST TSP	+19.71	
		10/95	H/L Speci	VOL		0.62	2ND TSP	-8.98	
39	35	10/95	Bobbin	ODI	6	0.68	10TH TSP	+39.29	
39	59	10/95	Bobbin	ODI	2	1.14	14TH TSP	+6.00	
39	64	10/95	Bobbin	ODI	5	1.37	18TH TSP	+12.18	
		10/95	Bobbin	ODI	7	1.18	11TH TSP	+21.61	
39	67	10/95	Bobbin	ODI	16	0.62	13TH TSP	+33.51	
39	69	10/95	Bobbin	ODI	7	0.56	11TH TSP	+30.39	
39	72	10/95	Bobbin	ADI		2.46	TTS-CL	+3.81	
		10/95	Bobbin	ADI		1.92	15TH TSP	+6.19	
		10/95	Bobbin	ODI	11	0.70	1ST TSP	+8.13	
		10/95	Bobbin	ODI	12	0.81	13TH TSP	+39.74	
		10/95	C/L Speci	VOL		0.36	TTS-CL	+3.07	
		10/95	C/L Speci	VOL		0.65	15TH TSP	+6.17	
39	75	10/95	Bobbin	NQI		1.16	8TH TSP	+1.80	
39	85	10/95	Bobbin	NQI		0.40	17TH TSP	+9.50	
		10/95	Bobbin	ODI	4	0.99	10TH TSP	+33.28	
		10/95	Bobbin	ODI	28	0.38	11TH TSP	+27.84	
		10/95	C/L Speci	VOL		0.52	17TH TSP	+9.63	
39	89	10/95	Bobbin	ODI	4	1.91	2ND TSP	+15.19	
		10/95	Bobbin	ODI	19	0.66	14TH TSP	+2.40	
39	91	10/95	Bobbin	ODI	5	1.41	16TH TSP	+15.23	
39	92	10/95	Bobbin	ODI	16	1.38	1ST TSP	+9.04	
39	93	10/95	Bobbin	ADI		1.76	4AVB	+16.19	

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

39	95	10/95	Bobbin	ODI	19	0.43	2ND TSP	+2.95
		10/95	Bobbin	ODI	4	1.19	12TH TSP	+25.45
39	96	10/95	Bobbin	ODI	10	1.19	3RD TSP	+25.23
39	97	10/95	Bobbin	ODI	19	0.89	2AVB	+4.34
		10/95	Bobbin	ODI	11	2.30	14TH TSP	+9.46
		10/95	Bobbin	ODI	19	3.51	14TH TSP	+14.32
39	98	10/95	Bobbin	ODI	1	0.83	11TH TSP	+22.79
		10/95	Bobbin	ODI	6	0.94	13TH TSP	+13.23
40	19	10/95	Bobbin	ODI	34	0.83	TTS-HL	+2.59
40	25	10/95	Bobbin	ODI	17	2.14	4AVB	+4.37
40	30	10/95	H/L Tubes	VOL		0.81	TTS-HL	+1.30
40	59	10/95	Bobbin	NQI		1.53	9TH TSP	+33.44
		10/95	U-Bend	VOL		0.51	9TH TSP	+32.95
40	60	10/95	Bobbin	NQI		0.82	2ND TSP	+10.89
40	74	10/95	Bobbin	ODI	4	1.78	1ST TSP	+11.84
		10/95	H/L Speci	VOL		1.04	1ST TSP	+12.02
40	88	10/95	Bobbin	ADI		2.10	1AVB	+12.46
41	25	10/95	Bobbin	ODI	19	1.09	13TH TSP	+2.55
41	29	10/95	Bobbin	NQI		1.21	3RD TSP	+6.43
41	53	10/95	Bobbin	ODI	11	2.26	1ST TSP	+17.46
41	60	10/95	Bobbin	ODI	10	0.75	7TH TSP	+19.84
		10/95	Bobbin	ODI	15	0.75	2ND TSP	+28.30
41	68	10/95	Bobbin	ODI	4	0.78	11TH TSP	+31.04
41	71	10/95	Bobbin	ODI	4	0.96	10TH TSP	+23.75
		10/95	Bobbin	ODI	4	1.20	10TH TSP	+43.51
		10/95	Bobbin	ODI	8	0.67	10TH TSP	+29.66
		10/95	Bobbin	ODI	9	0.84	12TH TSP	+39.38
		10/95	C/L Speci	VOL		0.23	10TH TSP	+29.58
		10/95	C/L Speci	VOL		0.30	10TH TSP	+23.65
		10/95	C/L Speci	VOL		0.41	10TH TSP	+43.31
		10/95	C/L Speci	VOL		0.41	11TH TSP	-4.75
41	72	10/95	Bobbin	ODI	7	2.13	4AVB	+26.47
41	76	10/95	Bobbin	ODI	17	2.32	10TH TSP	+30.89
41	78	10/95	Bobbin	ODI	1	1.69	1AVB	+25.67
		10/95	Bobbin	ODI	3	1.11	TTS-CL	+1.53
		10/95	Bobbin	ODI	5	1.07	TTS-CL	+3.14
		10/95	Bobbin	ODI	13	0.94	13TH TSP	+19.95
		10/95	C/L Speci	VOL		0.28	TTS-CL	+1.54
		10/95	C/L Speci	VOL		0.59	TTS-CL	+3.22
41	80	10/95	Bobbin	ODI	2	1.41	6TH TSP	+40.19
		10/95	Bobbin	ODI	15	1.21	15TH TSP	+6.34
41	91	10/95	Bobbin	ODI	4	0.93	7TH TSP	+30.71
41	92	10/95	Bobbin	ODI	11	1.39	9TH TSP	+19.73
42	21	10/95	Bobbin	NQI		0.28	10TH TSP	+2.25
42	23	10/95	Bobbin	ADI		7.40	16TH TSP	+8.18
		10/95	C/L Speci	VOL		0.90	16TH TSP	+8.89
42	25	10/95	Bobbin	ODI	36	0.65	8TH TSP	-0.67
42	34	10/95	Bobbin	NQI		1.05	9TH TSP	+17.44
42	45	10/95	Bobbin	ODI	18	0.90	18TH TSP	+0.58
42	59	10/95	Bobbin	ODI	11	2.88	12TH TSP	+40.29
42	60	10/95	Bobbin	ODI	4	1.41	11TH TSP	+8.47
		10/95	Bobbin	ODI	13	1.60	16TH TSP	+9.58
		10/95	Bobbin	ODI	18	0.71	14TH TSP	+9.53
		10/95	Bobbin	ODI	18	0.94	15TH TSP	+10.30
42	61	10/95	Bobbin	NQI		0.93	3RD TSP	+15.78
		10/95	H/L Speci	VOL		0.80	3RD TSP	+16.49
42	68	10/95	Bobbin	ODI	5	2.06	5TH TSP	+31.37
42	86	10/95	Bobbin	NQI		0.63	13TH TSP	+0.00
		10/95	C/L Speci	VOL		1.32	13TH TSP	+0.00
42	90	10/95	Bobbin	ODI	4	1.17	16TH TSP	+10.41
		10/95	C/L Speci	VOL		0.65	16TH TSP	+10.33
42	92	10/95	Bobbin	ODI	10	0.88	12TH TSP	+18.37
42	93	10/95	Bobbin	ODI	8	0.75	7TH TSP	+34.38
		10/95	Bobbin	ODI	13	1.22	5TH TSP	+6.07
		10/95	Bobbin	ODI	5	0.89	13TH TSP	+26.51

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	NQI		1.76	1AVB	-28.24	to	+0.00
		10/95	U-Bend	VOL		0.84	1AVB	-6.71	to	+30.06
		10/95	C/L Speci	VOL		0.79	18TH TSP	-0.14		
43	22	10/95	H/L Tubes	VOL		0.72	TTS-HL	+1.27		
43	38	10/95	Bobbin	NQI		0.67	16TH TSP	+1.17		
		10/95	Bobbin	NQI		0.79	17TH TSP	+12.21		
		10/95	C/L Speci	VOL		0.38	16TH TSP	+1.06	to	+2.12
		10/95	C/L Speci	VOL		0.85	17TH TSP	+11.85	to	+17.35
43	39	10/95	Bobbin	NQI		0.68	18TH TSP	+14.12	to	+15.56
		10/95	C/L Speci	VOL		0.62	17TH TSP	-4.56	to	-1.45
43	47	10/95	Bobbin	ADI		7.61	4AVB	+26.73		
		10/95	U-Bend	VOL		1.53	4AVB	+25.51		
		10/95	Bobbin	NQI		1.86	12TH TSP	+15.46		
		10/95	C/L Speci	VOL		1.36	12TH TSP	+15.67		
43	50	10/95	Bobbin	ODI	16	4.05	13TH TSP	+33.07		
43	59	10/95	Bobbin	ODI	5	1.48	10TH TSP	+38.20		
		10/95	Bobbin	ODI	6	1.46	11TH TSP	+9.41		
		10/95	C/L Speci	VOL		0.92	9TH TSP	-7.28		
		10/95	C/L Speci	VOL		0.70	11TH TSP	+9.54		
43	62	10/95	Bobbin	ODI	7	0.66	7TH TSP	+25.76		
		10/95	Bobbin	ODI	8	1.04	1ST TSP	+20.50		
		10/95	Bobbin	ODI	7	1.57	13TH TSP	+4.75		
		10/95	C/L Speci	VOL		0.72	13TH TSP	+4.54		
43	66	10/95	Bobbin	ODI	10	2.17	14TH TSP	+3.81		
		10/95	C/L Speci	VOL		1.19	14TH TSP	+3.88		
43	67	10/95	Bobbin	ADI		2.76	11TH TSP	+16.89		
		10/95	Bobbin	ODI	11	0.84	12TH TSP	+40.67		
		10/95	C/L Speci	VOL		0.62	11TH TSP	+16.42		
		10/95	C/L Speci	VOL		1.04	11TH TSP	-2.89		
43	88	10/95	Bobbin	ADI		1.69	3RD TSP	+19.78		
		10/95	H/L Speci	VOL		0.76	3RD TSP	+22.97		
		10/95	H/L Speci	VOL		0.84	3RD TSP	+20.62		
43	90	10/95	Bobbin	ODI	11	1.37	14TH TSP	+9.54		
43	91	10/95	Bobbin	ODI	20	0.69	11TH TSP	+8.07		
43	93	10/95	Bobbin	ADI		2.55	TTS-HL	+3.34		
		10/95	H/L Speci	VOL		0.26	TTS-HL	+4.05		
44	23	10/95	H/L Tubes	VOL		1.55	TTS-HL	+1.36		
44	33	10/95	Bobbin	ODI	14	1.93	17TH TSP	+7.33		
44	35	10/95	Bobbin	ODI	16	0.38	11TH TSP	+23.28		
44	39	10/95	Bobbin	ODI	20	1.66	13TH TSP	+10.68		
44	49	10/95	Bobbin	ODI	4	1.43	11TH TSP	+39.36		
44	66	10/95	Bobbin	ODI	9	0.63	11TH TSP	+28.71		
44	67	10/95	Bobbin	NQI		0.69	5TH TSP	+9.88		
44	72	10/95	Bobbin	ADI		1.47	14TH TSP	+1.98		
		10/95	C/L Speci	VOL		0.87	14TH TSP	+1.95		
44	74	10/95	Bobbin	ODI	5	0.80	9TH TSP	-0.47		
44	84	10/95	Bobbin	NQI		0.71	3RD TSP	+11.45		
44	91	10/95	Bobbin	WAR	12	0.49	2AVB	+0.00		
		10/95	Bobbin	ODI	3	0.45	1ST TSP	+15.85		
		10/95	Bobbin	ODI	6	0.68	1ST TSP	+16.47		
		10/95	Bobbin	ODI	7	0.52	1ST TSP	+20.67		
		10/95	Bobbin	ODI	9	0.56	1ST TSP	+18.99		
		10/95	Bobbin	ODI	11	1.17	7TH TSP	+27.35		
		10/95	Bobbin	ODI	14	0.50	7TH TSP	+26.76		
		10/95	Bobbin	ODI	18	0.32	1ST TSP	+18.40		
44	92	10/95	Bobbin	ODI	8	3.43	4TH TSP	+36.15		
45	38	10/95	Bobbin	NQI		0.46	17TH TSP	+17.97		
		10/95	Bobbin	NQI		0.51	15TH TSP	+18.87		
		10/95	Bobbin	NQI		5.04	11TH TSP	+35.58		
		10/95	Bobbin	ODI	24	0.86	18TH TSP	+8.17		
		10/95	C/L Speci	VOL		0.22	15TH TSP	-18.32		
		10/95	C/L Speci	VOL		0.94	10TH TSP	-7.35		
		10/95	C/L Speci	VOL		2.01	15TH TSP	-0.27		
45	39	10/95	Bobbin	NQI		0.97	3AVB	+1.29		
		10/95	U-Bend	VOL		0.71	3AVB	+1.11		

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION	
45	41	10/95	Bobbin	NQI		0.51	10TH TSP	+38.94	
45	47	10/95	Bobbin	NQI		0.40	15TH TSP	+21.71	
		10/95	Bobbin	ODI	11	3.23	13TH TSP	+10.78	
		10/95	Bobbin	ODI	13	1.59	17TH TSP	+27.22	
		10/95	H/L Tubes	VOL		0.84	TTS-HL	+0.00	
45	60	10/95	Bobbin	ODI	23	0.85	4TH TSP	+24.52	
		10/95	Bobbin	ODI	2	1.38	18TH TSP	+7.22	
		10/95	Bobbin	ODI	4	1.39	12TH TSP	+21.91	
45	61	10/95	Bobbin	ODI	19	2.37	2ND TSP	+3.53	
45	64	10/95	Bobbin	ODI	7	3.41	8TH TSP	-1.19	
		10/95	Bobbin	ODI	8	1.77	9TH TSP	-0.78	
		10/95	Bobbin	ODI	12	3.40	9TH TSP	+34.65	
45	65	10/95	Bobbin	ODI	15	0.89	15TH TSP	+28.64	
45	67	10/95	Bobbin	ODI	11	1.58	TTS-HL	+5.79	
45	68	10/95	Bobbin	ODI	30	1.07	6TH TSP	+32.08	
45	73	10/95	Bobbin	ODI	29	0.33	11TH TSP	+19.18	
45	77	10/95	Bobbin	ADI		2.00	4TH TSP	+5.60	
		10/95	Bobbin	ODI	6	0.89	8TH TSP	-1.31	
		10/95	Bobbin	ODI	11	1.94	17TH TSP	+17.95	
45	80	10/95	Bobbin	ADI		4.04	12TH TSP	+2.44	
		10/95	C/L Speci	VOL		0.56	12TH TSP	-0.35	
		10/95	C/L Speci	VOL		0.72	12TH TSP	+2.01	
45	81	10/95	Bobbin	ODI	15	1.13	2ND TSP	+24.77	
		10/95	Bobbin	ODI	22	2.02	2ND TSP	+30.12	
45	85	10/95	Bobbin	ODI	15	0.84	10TH TSP	+26.65	
		10/95	Bobbin	ODI	22	0.60	13TH TSP	+36.47	
45	87	10/95	Bobbin	ODI	1	2.59	1AVB	+17.70	
45	88	10/95	Bobbin	ODI	4	1.01	5TH TSP	+37.91	
		10/95	Bobbin	ODI	6	0.97	6TH TSP	+22.22	
		10/95	H/L Speci	VOL		0.75	6TH TSP	+23.10	
45	91	10/95	Bobbin	ODI	11	0.95	1ST TSP	+25.02	
46	60	10/95	Bobbin	NQI		0.38	17TH TSP	+6.26	
		10/95	Bobbin	ODI	10	0.90	17TH TSP	+28.48	
		10/95	Bobbin	ODI	15	0.86	17TH TSP	+26.21	
		10/95	C/L Speci	VOL		0.40	17TH TSP	+6.28	
46	71	10/95	Bobbin	NQI		0.78	13TH TSP	+2.40	
		10/95	C/L Speci	VOL		0.61	13TH TSP	+2.38	
46	77	10/95	Bobbin	ADI		4.95	3RD TSP	+24.58	
		10/95	Bobbin	ODI	14	6.22	15TH TSP	+20.11	
		10/95	H/L Speci	VOL		1.03	4TH TSP	-11.31	
		10/95	C/L Speci	VOL		1.69	15TH TSP	+19.97	
46	79	10/95	Bobbin	ODI	5	1.21	12TH TSP	+25.83	
		10/95	Bobbin	ODI	24	0.88	17TH TSP	+28.68	
46	82	10/95	Bobbin	ODI	17	1.31	4TH TSP	+29.49	
		10/95	Bobbin	ODI	10	1.42	17TH TSP	+15.56	
		10/95	Bobbin	ODI	14	0.92	12TH TSP	+39.38	
		10/95	C/L Speci	VOL		0.15	11TH TSP	-3.82	
		10/95	C/L Speci	VOL		0.64	17TH TSP	+16.57	
46	88	10/95	Bobbin	NQI		0.51	8TH TSP	-0.56	
46	89	10/95	Bobbin	NQI		0.54	8TH TSP	-0.50	
47	27	10/95	Bobbin	WAR	11	0.39	4AVB	+0.00	
		10/95	Bobbin	WAR	15	0.55	3AVB	+0.00	
47	32	10/95	Bobbin	NQI		0.48	15TH TSP	+15.70	
		10/95	C/L Speci	VOL		0.32	15TH TSP	+15.91	
47	38	10/95	Bobbin	ODI	36	1.11	9TH TSP	-1.40	
47	44	10/95	Bobbin	ODI	4	1.09	11TH TSP	+34.79	
		10/95	C/L Speci	VOL		0.55	10TH TSP	-8.96	
47	62	10/95	Bobbin	ADI		5.75	4AVB	+26.27	
		10/95	U-Bend	VOL		0.58	4AVB	+24.41	
		10/95	U-Bend	VOL		1.04	4AVB	-4.37	
		10/95	Bobbin	ODI	3	5.36	3RD TSP	+27.59	
47	66	10/95	Bobbin	ODI	2	1.12	17TH TSP	+22.58	
47	69	10/95	Bobbin	ODI	9	1.09	1AVB	+8.24	
47	70	10/95	Bobbin	ODI	18	0.92	17TH TSP	+4.28	
47	71	10/95	Bobbin	ODI	13	0.99	11TH TSP	+20.20	

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G B

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGB

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

47	72	10/95	Bobbin	ODI	4	2.17	3RD TSP	+6.24
		10/95	Bobbin	ODI	10	1.31	2ND TSP	+14.96
47	82	10/95	Bobbin	NQI		0.69	13TH TSP	+32.82
		10/95	C/L Speci	VOL		0.48	13TH TSP	+32.02
		10/95	C/L Speci	VOL		1.21	13TH TSP	+22.73
47	83	10/95	Bobbin	ADI		1.38	12TH TSP	+19.14
		10/95	C/L Speci	VOL		0.56	12TH TSP	+18.87
47	86	10/95	Bobbin	ODI	14	1.34	15TH TSP	+26.53
47	88	10/95	Bobbin	WAR	11	0.46	2AVB	+0.00
48	31	10/95	C/L Speci	VOL		0.38	17TH TSP	+5.14
48	36	10/95	Bobbin	NQI		1.16	3AVB	+12.98
		10/95	Bobbin	NQI		1.60	3AVB	+4.70
		10/95	U-Bend	VOL		0.98	3AVB	+12.29
		10/95	U-Bend	VOL		1.15	3AVB	+4.62
		10/95	U-Bend	VOL		2.30	3AVB	+15.82
48	37	10/95	Bobbin	ODI	13	0.50	11TH TSP	+26.08
48	40	10/95	Bobbin	NQI		0.65	13TH TSP	+19.62
		10/95	C/L Speci	VOL		0.42	13TH TSP	+2.98
		10/95	C/L Speci	VOL		0.69	13TH TSP	+19.48
48	43	10/95	Bobbin	ODI	20	0.86	9TH TSP	+1.71
48	44	10/95	Bobbin	ODI	5	0.33	11TH TSP	+15.25
		10/95	Bobbin	ODI	19	0.33	10TH TSP	+18.47
		10/95	Bobbin	ODI	27	0.26	12TH TSP	+39.21
48	46	10/95	C/L Speci	VOL		0.56	18TH TSP	+14.79
48	50	10/95	Bobbin	NQI		0.38	12TH TSP	+2.37
		10/95	Bobbin	ODI	2	1.69	7TH TSP	+41.43
48	65	10/95	Bobbin	ADI		1.64	3AVB	+1.25
48	68	10/95	C/L Speci	VOL		0.30	18TH TSP	-0.17
48	71	10/95	Bobbin	ODI	11	1.27	4TH TSP	+4.07
48	74	10/95	Bobbin	ODI	13	1.72	11TH TSP	+18.69
48	86	10/95	Bobbin	ODI	34	1.21	2ND TSP	+28.36
49	41	10/95	Bobbin	ODI	24	0.76	7TH TSP	+43.56
49	46	10/95	Bobbin	ODI	18	2.45	13TH TSP	+19.63
49	50	10/95	Bobbin	ODI	4	1.07	7TH TSP	+42.05
		10/95	Bobbin	ODI	1	0.78	11TH TSP	+23.87
49	60	10/95	Bobbin	ODI	14	0.98	6TH TSP	+2.90
		10/95	H/L Speci	VOL		1.14	6TH TSP	+3.39
49	61	10/95	Bobbin	ODI	14	0.43	13TH TSP	-0.23
		10/95	C/L Speci	VOL		1.70	13TH TSP	-0.20
49	65	10/95	Bobbin	ODI	11	0.55	10TH TSP	+15.69
		10/95	Bobbin	ODI	12	0.51	10TH TSP	+29.17
49	66	10/95	Bobbin	ODI	9	0.57	10TH TSP	+4.57
		10/95	Bobbin	ODI	12	0.97	12TH TSP	+15.62
		10/95	Bobbin	ODI	22	0.62	12TH TSP	+15.09
		10/95	C/L Speci	VOL		0.76	12TH TSP	+14.83
49	69	10/95	Bobbin	NQI		0.63	3RD TSP	+24.48
		10/95	Bobbin	ODI	33	0.48	4TH TSP	+27.35
		10/95	Bobbin	ODI	10	1.91	17TH TSP	+6.27
49	70	10/95	Bobbin	ODI	7	0.36	15TH TSP	+19.07
49	72	10/95	Bobbin	ODI	9	0.54	7TH TSP	+24.63
49	73	10/95	Bobbin	ODI	20	0.38	7TH TSP	+29.74
49	74	10/95	Bobbin	ODI	9	1.19	6TH TSP	+39.63
		10/95	Bobbin	ODI	8	0.85	13TH TSP	+29.28
		10/95	Bobbin	ODI	9	0.62	13TH TSP	+27.37
		10/95	Bobbin	ODI	9	1.09	12TH TSP	-1.38
		10/95	Bobbin	ODI	10	1.56	15TH TSP	+25.33
49	76	10/95	Bobbin	NQI		0.41	10TH TSP	+4.67
		10/95	C/L Speci	VOL		0.82	10TH TSP	+4.67
49	84	10/95	Bobbin	ODI	22	0.92	5TH TSP	+31.66

Total Indications Found = 1489

Total Tubes Found = 746

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

1	13	10/95	Bobbin	NQI		0.83	18TH TSP	+21.48
1	15	10/95	Bobbin	NQI		1.13	16TH TSP	+22.01
		10/95	C/L Spec	VOL		0.52	16TH TSP	+21.77
1	16	10/95	Bobbin	ODI	26	0.81	1ST TSP	+4.36
1	19	10/95	Bobbin	ODI	34	0.90	1ST TSP	+22.37
1	20	10/95	Bobbin	ODI	32	0.32	18TH TSP	+29.07
1	30	10/95	Bobbin	NQI		1.34	4TH TSP	+41.11
		10/95	Bobbin	NQI		1.37	5TH TSP	+5.29
		10/95	Bobbin	NQI		1.41	5TH TSP	+1.87
		10/95	Bobbin	ODI	13	1.13	5TH TSP	+7.16
		10/95	H/L Spec	VOL		0.36	5TH TSP	-0.64
		10/95	H/L Spec	VOL		0.38	5TH TSP	+0.58
		10/95	H/L Spec	VOL		0.51	5TH TSP	+7.34
		10/95	H/L Spec	VOL		0.64	5TH TSP	+5.26
		10/95	H/L Spec	VOL		0.81	5TH TSP	+1.84
		10/95	H/L Spec	VOL		1.00	5TH TSP	-1.74
1	40	10/95	Bobbin	NQI		0.78	3RD TSP	+0.42
		10/95	H/L Spec	VOL		0.58	3RD TSP	+0.58
1	62	10/95	Bobbin	NQI		0.41	18TH TSP	+10.91
		10/95	Bobbin	ODI	27	0.76	18TH TSP	+17.16
		10/95	C/L Spec	VOL		0.32	18TH TSP	+11.08
		10/95	C/L Spec	VOL		0.88	18TH TSP	+17.63
1	63	10/95	Bobbin	ODI	7	0.20	19TH TSP	+3.06
1	67	10/95	Bobbin	ODI	8	0.90	18TH TSP	+1.62
1	68	10/95	Bobbin	ODI	19	1.69	3RD TSP	+26.62
		10/95	H/L Spec	VOL		0.39	4TH TSP	-9.52
1	69	10/95	Bobbin	ODI	14	0.79	1ST TSP	+27.12
1	72	10/95	Bobbin	NQI		0.25	10TH TSP	+44.53
1	73	10/95	Bobbin	ODI	19	1.14	13TH TSP	+28.37
1	79	10/95	Bobbin	ADI		4.49	18TH TSP	+19.38
1	110	10/95	Bobbin	ODI	11	0.77	6TH TSP	+13.62
1	113	10/95	Bobbin	ODI	17	0.46	14TH TSP	+4.43
1	114	10/95	Bobbin	ODI	19	0.42	7TH TSP	+12.07
2	8	10/95	Bobbin	ODI	19	1.07	7TH TSP	+6.30
2	20	10/95	Bobbin	ODI	10	0.60	18TH TSP	+23.62
2	23	10/95	Bobbin	NQI		0.52	13TH TSP	+15.31
2	31	10/95	Bobbin	ODI	10	0.65	19TH TSP	+6.63
2	37	10/95	Bobbin	ADI		2.60	10TH TSP	+36.21
		10/95	C/L Spec	VOL		1.24	9TH TSP	-10.81
2	55	10/95	Bobbin	NQI		0.26	4TH TSP	+6.82
		10/95	Bobbin	NQI		0.36	4TH TSP	+34.46
		10/95	H/L Spec	VOL		1.07	4TH TSP	+34.42
2	64	10/95	Bobbin	NQI		0.43	13TH TSP	+7.14
		10/95	Bobbin	ODI	16	1.22	13TH TSP	+2.76
		10/95	Bobbin	ODI	17	1.11	13TH TSP	+4.21
		10/95	Bobbin	ODI	20	0.32	18TH TSP	+19.61
		10/95	Bobbin	ODI	28	1.03	13TH TSP	+1.59
		10/95	Bobbin	ODI	30	0.98	13TH TSP	+5.70
		10/95	C/L Spec	VOL		0.53	13TH TSP	+1.88
		10/95	C/L Spec	VOL		0.57	13TH TSP	+7.11
		10/95	C/L Spec	VOL		0.62	13TH TSP	+4.47
		10/95	C/L Spec	VOL		0.70	13TH TSP	+3.22
		10/95	C/L Spec	VOL		0.75	13TH TSP	+5.85
2	65	10/95	Bobbin	ODI	3	0.68	11TH TSP	+20.60
2	66	10/95	Bobbin	ODI	1	0.65	16TH TSP	+27.10
		10/95	Bobbin	ODI	15	1.32	16TH TSP	+18.97
2	68	10/95	Bobbin	NQI		0.59	1ST TSP	+26.68
		10/95	H/L Spec	VOL		1.07	2ND TSP	-1.63
2	74	10/95	Bobbin	NQI		1.78	12TH TSP	+30.66
		10/95	Bobbin	ODI	20	2.07	12TH TSP	+29.47
		10/95	C/L Spec	VOL		0.67	14TH TSP	-2.11
		10/95	C/L Spec	VOL		1.18	11TH TSP	-13.70
		10/95	C/L Spec	VOL		1.33	11TH TSP	-12.71
		10/95	C/L Spec	VOL		1.85	14TH TSP	-3.46
2	75	10/95	Bobbin	ODI	19	0.88	16TH TSP	+24.97

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

2	78	10/95	Bobbin	ODI	3	0.45	12TH TSP	+2.73	
2	81	10/95	Bobbin	ODI	8	0.81	12TH TSP	+14.13	
		10/95	C/L Spec	VOL		0.42	12TH TSP	+14.30	
2	84	10/95	Bobbin	NQI		0.46	6TH TSP	+1.27	
		10/95	H/L Spec	VOL		0.79	6TH TSP	+1.80	
2	85	10/95	Bobbin	ODI	15	0.81	13TH TSP	+13.28	
2	102	10/95	Bobbin	ODI	22	1.21	11TH TSP	+20.38	
2	106	10/95	Bobbin	ADI		2.52	13TH TSP	+14.68	
2	107	10/95	Bobbin	ODI	18	0.68	5TH TSP	+12.60	
2	109	10/95	Bobbin	NQI		0.69	11TH TSP	+1.12	
2	111	10/95	Bobbin	ODI	18	0.48	2ND TSP	+23.17	
3	17	10/95	Bobbin	ODI	8	3.41	7TH TSP	+31.25	
3	25	10/95	Bobbin	ODI	33	0.33	14TH TSP	+13.44	
3	27	10/95	Bobbin	ODI	4	1.47	14TH TSP	+7.95	
		10/95	Bobbin	ODI	25	0.35	13TH TSP	+35.15	
3	77	10/95	Bobbin	ODI	3	0.41	13TH TSP	+39.58	
		10/95	Bobbin	ODI	7	0.54	12TH TSP	+5.57	
3	78	10/95	Bobbin	ODI	26	0.54	13TH TSP	+0.62	
3	97	10/95	Bobbin	ADI		3.59	13TH TSP	+14.57	
		10/95	C/L Spec	VOL		0.96	13TH TSP	+14.28	
4	23	10/95	Bobbin	NQI		0.35	15TH TSP	+10.41	
4	27	10/95	Bobbin	NQI		0.56	5TH TSP	+26.71	
		10/95	Bobbin	NQI		0.57	5TH TSP	+23.65	
		10/95	Bobbin	NQI		0.75	5TH TSP	+39.51	
		10/95	Bobbin	ODI	2	0.76	5TH TSP	+11.62	
		10/95	Bobbin	ODI	12	2.27	5TH TSP	+19.28	
		10/95	Bobbin	ODI	24	0.55	5TH TSP	+21.24	
		10/95	H/L Spec	VOL		0.56	5TH TSP	+23.62	
		10/95	H/L Spec	VOL		0.88	5TH TSP	+26.59	
		10/95	H/L Spec	VOL		1.09	5TH TSP	+39.33	
		10/95	H/L Spec	VOL		1.41	5TH TSP	+11.54	
		10/95	H/L Spec	VOL		1.94	5TH TSP	+19.14	
4	37	10/95	Bobbin	ODI	21	0.28	15TH TSP	+14.45	
4	38	10/95	Bobbin	ADI		2.43	1ST TSP	+11.79	
		10/95	H/L Spec	VOL		0.93	1ST TSP	+11.16	
4	39	10/95	Bobbin	NQI		0.65	TTS-HL	+2.95	
		10/95	Bobbin	NQI		0.55	10TH TSP	+40.47	
		10/95	H/L Spec	VOL		0.86	TTS-HL	+2.58	
		10/95	C/L Spec	VOL		0.61	9TH TSP	-5.74	
4	49	10/95	Bobbin	ODI	35	0.28	3RD TSP	+3.22	
4	69	10/95	Bobbin	ADI		0.95	11TH TSP	+21.26	
		10/95	C/L Spec	VOL		0.60	11TH TSP	+20.12	
		10/95	Bobbin	NQI		0.96	5TH TSP	+0.72	to +12.93
		10/95	H/L Spec	VOL		0.87	5TH TSP	+0.80	to +12.88
4	113	10/95	Bobbin	ADI		3.91	16TH TSP	+3.25	
		10/95	C/L Spec	VOL		0.82	16TH TSP	+1.83	
		10/95	C/L Spec	VOL		1.12	16TH TSP	+3.09	
5	9	10/95	Bobbin	ODI	24	0.28	13TH TSP	+7.61	
		10/95	C/L Spec	VOL		0.43	13TH TSP	+7.50	
5	15	10/95	Bobbin	ODI	8	0.60	13TH TSP	+14.41	
5	32	10/95	Bobbin	ODI	22	1.55	4TH TSP	+8.92	
5	49	10/95	Bobbin	NQI		0.56	15TH TSP	+16.72	
		10/95	C/L Spec	VOL		0.48	15TH TSP	+16.74	
5	65	10/95	Bobbin	ADI		8.28	8TH TSP	+17.93	
		10/95	U-Bend	VOL		1.26	8TH TSP	+16.54	
5	87	10/95	Bobbin	ODI	23	0.58	5TH TSP	+20.63	
5	92	10/95	Bobbin	ODI	32	0.82	13TH TSP	+2.80	
5	101	10/95	Bobbin	ADI		2.73	1ST TSP	+21.56	
5	104	10/95	Bobbin	ODI	15	1.18	4TH TSP	+25.08	
5	107	10/95	Bobbin	ODI	21	1.17	TTS-HL	+6.23	
		10/95	H/L Spec	VOL		0.81	TTS-HL	+5.79	
5	114	10/95	Bobbin	ODI	10	0.65	10TH TSP	+41.25	
6	1	10/95	Bobbin	NQI		2.18	14TH TSP	+1.60	
		10/95	C/L Spec	VOL		0.60	14TH TSP	+1.85	
6	8	10/95	Bobbin	ODI	17	0.59	7TH TSP	+29.98	

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S/G C

10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	H/L Speci	VOL		1.26	7TH TSP	+30.38
6	14	10/95	Bobbin	ADI		1.77	4TH TSP	+4.19
		10/95	Bobbin	NQI		0.38	3RD TSP	+3.84
		10/95	H/L Speci	VOL		1.25	3RD TSP	+3.06
		10/95	H/L Speci	VOL		1.28	4TH TSP	+4.23
6	39	10/95	Bobbin	NQI		0.51	7TH TSP	+8.12
		10/95	H/L Speci	VOL		0.71	7TH TSP	+7.36
6	42	10/95	Bobbin	ODI	8	0.76	8TH TSP	+1.63
6	68	10/95	Bobbin	ODI	8	0.53	1ST TSP	+11.08
6	86	10/95	Bobbin	ADI		1.21	12TH TSP	+6.81
		10/95	C/L Speci	VOL		0.23	12TH TSP	+6.74
6	89	10/95	Bobbin	ODI	26	0.42	3RD TSP	+16.71
6	103	10/95	Bobbin	ADI		1.88	4TH TSP	+3.25
		10/95	H/L Speci	VOL		0.58	4TH TSP	+3.44
		10/95	H/L Speci	VOL		0.63	4TH TSP	+5.61
7	35	10/95	Bobbin	ODI	12	1.48	17TH TSP	-1.21
7	38	10/95	Bobbin	NQI		0.46	4TH TSP	+21.73
		10/95	Bobbin	ODI	29	0.51	4TH TSP	+22.88
7	39	10/95	Bobbin	ODI	8	3.67	4TH TSP	+4.07
7	41	10/95	Bobbin	ODI	8	0.67	1ST TSP	+3.41
		10/95	Bobbin	ODI	10	0.93	2ND TSP	+19.56
		10/95	Bobbin	ODI	17	0.66	6TH TSP	+3.75
		10/95	Bobbin	ODI	18	0.48	1ST TSP	+11.67
7	71	10/95	Bobbin	ADI		1.02	13TH TSP	+3.87
		10/95	C/L Speci	VOL		0.30	13TH TSP	+1.60
		10/95	C/L Speci	VOL		0.30	13TH TSP	+7.22
		10/95	C/L Speci	VOL		0.37	13TH TSP	+3.72
7	83	10/95	Bobbin	ADI		1.50	13TH TSP	+29.38
		10/95	C/L Speci	VOL		0.40	12TH TSP	-14.19
		10/95	C/L Speci	VOL		0.51	12TH TSP	-19.93
8	31	10/95	Bobbin	ODI	12	0.40	5TH TSP	+29.95
8	46	10/95	Bobbin	ODI	12	0.70	7TH TSP	+19.35
8	49	10/95	Bobbin	ODI	4	0.52	15TH TSP	+9.73
8	50	10/95	Bobbin	ODI	7	2.39	5TH TSP	+0.88
		10/95	Bobbin	ODI	16	0.73	3RD TSP	+25.73
		10/95	Bobbin	ODI	20	0.49	3RD TSP	+20.46
		10/95	Bobbin	ODI	26	0.45	15TH TSP	+12.28
8	56	10/95	Bobbin	ADI		0.55	7TH TSP	+29.27
		10/95	Bobbin	NQI		0.39	7TH TSP	+42.17
		10/95	Bobbin	NQI		0.34	10TH TSP	+28.92
		10/95	Bobbin	ODI	6	0.32	7TH TSP	+42.60
		10/95	C/L Speci	VOL		0.57	10TH TSP	+29.34
		10/95	C/L Speci	VOL		0.72	10TH TSP	+27.72
8	76	10/95	Bobbin	NQI		1.46	5TH TSP	+32.96
		10/95	H/L Speci	VOL		1.94	6TH TSP	-10.22
8	83	10/95	Bobbin	ODI	27	0.61	12TH TSP	+28.24
8	85	10/95	Bobbin	ADI		4.40	1ST TSP	+22.03
		10/95	H/L Speci	VOL		1.89	2ND TSP	-6.52
8	96	10/95	Bobbin	NQI		4.52	16TH TSP	+11.88
8	103	10/95	Bobbin	ADI		1.61	16TH TSP	+10.63
		10/95	C/L Speci	VOL		0.42	16TH TSP	+10.24
8	111	10/95	Bobbin	ODI	11	0.45	10TH TSP	+28.84
9	8	10/95	Bobbin	ODI	12	0.89	11TH TSP	+36.08
		10/95	C/L Speci	VOL		0.61	10TH TSP	-8.72
9	14	10/95	Bobbin	NQI		0.31	14TH TSP	-1.03
		10/95	C/L Speci	VOL		0.86	14TH TSP	-1.01
9	18	10/95	Bobbin	ODI	13	0.79	10TH TSP	+24.82
9	41	10/95	Bobbin	NQI		0.61	17TH TSP	+8.60
		10/95	C/L Speci	VOL		0.40	17TH TSP	+8.59
9	49	10/95	Bobbin	ODI	17	1.35	7TH TSP	+8.10
9	52	10/95	Bobbin	ODI	1	0.88	7TH TSP	+37.99
9	67	10/95	Bobbin	ODI	7	0.51	10TH TSP	+25.72
9	84	10/95	Bobbin	ODI	25	0.54	4TH TSP	+22.24
9	112	10/95	Bobbin	ADI		2.06	4TH TSP	+30.18
		10/95	Bobbin	ADI		2.36	4TH TSP	+32.44

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	21	0.75	3RD TSP	+21.72	
		10/95	Bobbin	ADI		2.54	5TH TSP	+2.39	to +20.82
		10/95	H/L Spec	VOL		0.52	3RD TSP	+20.85	
		10/95	H/L Spec	VOL		0.53	5TH TSP	+15.86	
		10/95	H/L Spec	VOL		0.68	5TH TSP	-7.21	
		10/95	H/L Spec	VOL		0.82	5TH TSP	-10.92	
		10/95	H/L Spec	VOL		0.93	5TH TSP	-12.79	
		10/95	H/L Spec	VOL		0.92	5TH TSP	+2.51	to +12.27
10	4	10/95	Bobbin	ODI	14	0.70	15TH TSP	+5.89	
10	11	10/95	Bobbin	ODI	28	1.80	2ND TSP	+11.24	
10	43	10/95	Bobbin	ODI	35	0.77	13TH TSP	+23.95	
		10/95	C/L Spec	VOL		0.73	13TH TSP	+23.59	
10	49	10/95	Bobbin	ODI	27	0.50	1ST TSP	+5.09	
10	51	10/95	Bobbin	NQI		0.53	16TH TSP	-1.48	
		10/95	C/L Spec	VOL		0.43	16TH TSP	-1.49	
10	109	10/95	Bobbin	ADI		1.05	12TH TSP	+13.52	
		10/95	C/L Spec	VOL		0.29	12TH TSP	+13.26	
10	112	10/95	Bobbin	ODI	16	0.85	7TH TSP	+34.16	
11	41	10/95	Bobbin	ODI	18	0.76	11TH TSP	+4.89	
11	109	10/95	Bobbin	NQI		0.28	11TH TSP	+22.68	
12	15	10/95	Bobbin	NQI		0.33	TTS-HL	+3.33	
		10/95	Bobbin	NQI		1.15	TTS-HL	+2.80	
		10/95	H/L Spec	VOL		1.62	TTS-HL	+3.09	
12	30	10/95	Bobbin	ODI	25	0.32	13TH TSP	+15.03	
12	41	10/95	Bobbin	NQI		0.36	17TH TSP	+2.76	
		10/95	Bobbin	ODI	17	1.12	17TH TSP	+6.98	
		10/95	C/L Spec	VOL		0.52	17TH TSP	+2.75	
		10/95	C/L Spec	VOL		1.00	17TH TSP	+7.25	
12	69	10/95	Bobbin	ODI	24	0.68	13TH TSP	+39.94	
12	77	10/95	Bobbin	ODI	13	0.42	18TH TSP	+5.61	
12	93	10/95	Bobbin	NQI		1.18	5TH TSP	+1.77	to +9.41
		10/95	H/L Spec	VOL		0.54	5TH TSP	+1.77	to +9.41
13	6	10/95	Bobbin	ODI	7	0.23	7TH TSP	+29.29	
		10/95	Bobbin	ODI	10	0.67	7TH TSP	+35.24	
13	8	10/95	Bobbin	NQI		0.29	7TH TSP	+13.93	
		10/95	Bobbin	NQI		0.32	10TH TSP	+8.62	
		10/95	C/L Spec	VOL		0.72	10TH TSP	+9.02	
13	9	10/95	Bobbin	ODI	17	0.89	2ND TSP	+12.40	
13	15	10/95	Bobbin	ODI	39	0.25	10TH TSP	-1.72	
		10/95	C/L Spec	VOL		1.14	10TH TSP	-1.20	
13	35	10/95	Bobbin	NQI		0.25	6TH TSP	+39.28	
		10/95	Bobbin	NQI		0.24	11TH TSP	+29.52	
		10/95	Bobbin	ODI	7	0.26	11TH TSP	+34.42	
		10/95	Bobbin	ODI	29	0.57	10TH TSP	+2.93	
13	55	10/95	Bobbin	NQI		0.44	13TH TSP	+35.93	
		10/95	C/L Spec	VOL		0.51	12TH TSP	-7.69	
		10/95	C/L Spec	VOL		0.54	12TH TSP	+11.59	
13	78	10/95	Bobbin	ODI	16	1.99	18TH TSP	+9.92	
		10/95	C/L Spec	VOL		0.86	18TH TSP	+1.32	
		10/95	C/L Spec	VOL		1.73	18TH TSP	+9.73	
13	91	10/95	Bobbin	ODI	17	1.06	16TH TSP	+10.43	
13	110	10/95	Bobbin	ODI	5	0.74	12TH TSP	+2.73	
13	111	10/95	Bobbin	ODI	27	0.31	10TH TSP	+12.53	
14	17	10/95	Bobbin	NQI		1.06	18TH TSP	+3.38	
		10/95	Bobbin	ODI	22	1.58	18TH TSP	+1.00	
		10/95	C/L Spec	VOL		0.45	18TH TSP	+3.32	
		10/95	C/L Spec	VOL		0.63	18TH TSP	+0.89	
14	19	10/95	Bobbin	ADI		1.87	2ND TSP	+20.79	
		10/95	Bobbin	NQI		0.48	3RD TSP	+0.11	
		10/95	H/L Spec	VOL		0.50	3RD TSP	-0.10	
		10/95	H/L Spec	VOL		0.66	3RD TSP	-15.70	
14	30	10/95	Bobbin	NQI		0.60	11TH TSP	+15.58	
		10/95	C/L Spec	VOL		0.62	11TH TSP	+15.31	
14	51	10/95	Bobbin	ODI	6	0.35	4TH TSP	+7.42	
		10/95	Bobbin	ODI	12	0.48	4TH TSP	+8.97	

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

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

INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	20	0.28	4TH TSP	+8.07
14	69	10/95	Bobbin	NQI		0.78	7TH TSP	+29.46
14	108	10/95	Bobbin	ADI		1.28	13TH TSP	+2.50
		10/95	C/L Speci	VOL		0.67	13TH TSP	+2.53
		10/95	C/L Speci	VOL		0.76	13TH TSP	+1.09
15	6	10/95	Bobbin	ODI	6	0.83	7TH TSP	+23.90
		10/95	Bobbin	ODI	17	0.98	17TH TSP	+13.06
		10/95	C/L Speci	VOL		0.39	17TH TSP	+12.91
15	23	10/95	Bobbin	ADI		1.37	11TH TSP	+36.63
		10/95	C/L Speci	VOL		0.45	10TH TSP	-7.32
		10/95	C/L Speci	VOL		0.78	10TH TSP	-11.52
		10/95	C/L Speci	VOL		0.95	10TH TSP	-1.39
		10/95	C/L Speci	VOL		1.11	10TH TSP	-3.41
15	50	10/95	Bobbin	ODI	6	0.44	3RD TSP	+4.38
15	68	10/95	Bobbin	NQI		0.28	10TH TSP	+32.57
		10/95	C/L Speci	VOL		0.89	9TH TSP	-11.41
15	72	10/95	Bobbin	ADI		2.99	12TH TSP	+30.19
		10/95	C/L Speci	VOL		0.83	11TH TSP	-13.03
15	99	10/95	Bobbin	ADI		5.12	1AVB	+6.83
		10/95	U-Bend	VOL		1.60	1AVB	+6.93
		10/95	Bobbin	ADI		2.11	11TH TSP	+16.88
		10/95	Bobbin	ADI		3.05	11TH TSP	+20.81
		10/95	Bobbin	ADI		4.27	11TH TSP	+28.76
		10/95	C/L Speci	VOL		0.37	11TH TSP	+16.47
		10/95	C/L Speci	VOL		0.84	11TH TSP	+20.60
		10/95	C/L Speci	VOL		0.85	11TH TSP	+28.58
15	104	10/95	Bobbin	ODI	13	2.42	12TH TSP	+34.81
		10/95	C/L Speci	VOL		1.15	11TH TSP	-7.93
15	111	10/95	Bobbin	ODI	5	0.48	10TH TSP	+32.50
16	46	10/95	Bobbin	NQI		0.24	3RD TSP	-6.53
		10/95	Bobbin	ODI	20	0.28	3RD TSP	-4.83
16	62	10/95	Bobbin	NQI		0.76	6TH TSP	+34.75
		10/95	H/L Speci	VOL		0.79	7TH TSP	-8.93
16	65	10/95	Bobbin	ODI	18	0.59	10TH TSP	+27.57
16	78	10/95	Bobbin	NQI		0.50	10TH TSP	+32.28
		10/95	Bobbin	ODI	7	0.41	7TH TSP	+34.43
		10/95	Bobbin	ODI	18	0.67	7TH TSP	+19.63
		10/95	Bobbin	ODI	4	0.86	10TH TSP	+33.44
		10/95	Bobbin	ODI	20	1.04	12TH TSP	+16.22
		10/95	C/L Speci	VOL		0.77	12TH TSP	+16.35
16	91	10/95	Bobbin	ODI	13	0.55	7TH TSP	+9.45
16	98	10/95	Bobbin	ODI	5	2.97	5TH TSP	+2.49
17	11	10/95	Bobbin	ODI	22	0.32	7TH TSP	+40.12
17	14	10/95	Bobbin	ODI	35	0.60	13TH TSP	+19.32
17	38	10/95	Bobbin	ODI	1	0.46	17TH TSP	+8.22
17	73	10/95	Bobbin	ODI	31	0.35	10TH TSP	+13.00
		10/95	C/L Speci	VOL		0.37	10TH TSP	+11.79
17	79	10/95	Bobbin	ODI	15	0.44	4TH TSP	+37.83
17	85	10/95	H/L Tubes	VOL		0.67	TTS-HL	-0.15
17	88	10/95	Bobbin	ODI	27	0.89	15TH TSP	+15.69
		10/95	C/L Speci	VOL		0.40	14TH TSP	-2.29
17	89	10/95	Bobbin	NQI		0.45	18TH TSP	+4.31
		10/95	Bobbin	ODI	9	1.86	2ND TSP	-1.37
		10/95	H/L Speci	VOL		2.32	2ND TSP	-1.60
17	91	10/95	Bobbin	ADI		3.66	18TH TSP	+12.06
		10/95	C/L Speci	VOL		0.82	17TH TSP	-6.45
17	101	10/95	Bobbin	NQI		0.87	4TH TSP	+16.05
		10/95	H/L Speci	VOL		1.50	4TH TSP	+15.82
17	111	10/95	Bobbin	ODI	22	0.29	13TH TSP	+24.45
18	15	10/95	Bobbin	ODI	14	0.41	TTS-HL	+5.11
18	29	10/95	Bobbin	ODI	22	1.87	19TH TSP	-1.26
18	45	10/95	Bobbin	ODI	3	2.14	TTS-HL	+2.47
		10/95	H/L Tubes	VOL		0.72	TTS-HL	+0.03
18	63	10/95	Bobbin	ODI	22	0.43	12TH TSP	+2.75
18	69	10/95	Bobbin	ODI	23	1.25	7TH TSP	+38.24

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

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

INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

18	82	10/95	Bobbin	ODI	33	0.77	15TH TSP	+12.23
18	109	10/95	Bobbin	ODI	16	1.55	7TH TSP	+24.32
		10/95	H/L Speci	VOL		1.59	8TH TSP	-18.65
18	110	10/95	Bobbin	ODI	15	0.66	10TH TSP	+26.53
19	6	10/95	Bobbin	ODI	21	0.27	17TH TSP	+8.01
19	21	10/95	Bobbin	NQI		0.24	10TH TSP	+28.62
		10/95	Bobbin	ODI	6	1.22	10TH TSP	+43.61
19	29	10/95	Bobbin	ODI	18	0.93	7TH TSP	+24.12
19	46	10/95	Bobbin	NQI		0.69	17TH TSP	+4.88
		10/95	C/L Speci	VOL		0.53	17TH TSP	+4.79
19	51	10/95	Bobbin	ODI	12	0.84	2ND TSP	+10.65
19	64	10/95	Bobbin	ODI	5	2.88	4TH TSP	+39.06
19	88	10/95	Bobbin	ODI	29	0.98	11TH TSP	+29.56
19	102	10/95	Bobbin	ODI	34	0.47	3RD TSP	+21.94
19	107	10/95	Bobbin	ODI	20	2.35	7TH TSP	+27.55
		10/95	Bobbin	ODI	31	0.29	10TH TSP	+34.50
19	108	10/95	Bobbin	NQI		0.76	7TH TSP	+41.41
		10/95	Bobbin	ODI	27	0.40	9TH TSP	-1.63
20	29	10/95	Bobbin	ODI	10	2.25	10TH TSP	+7.49
20	47	10/95	Bobbin	NQI		0.38	10TH TSP	+3.18
		10/95	Bobbin	ODI	14	3.86	11TH TSP	+27.55
		10/95	C/L Speci	VOL		0.44	10TH TSP	+3.38
20	59	10/95	Bobbin	ODI	34	0.43	10TH TSP	+42.48
20	61	10/95	Bobbin	NQI		0.19	10TH TSP	+7.72
20	62	10/95	Bobbin	ODI	22	0.76	10TH TSP	+44.25
20	64	10/95	Bobbin	ODI	5	0.79	7TH TSP	+2.97
		10/95	Bobbin	ODI	3	0.37	11TH TSP	+41.13
		10/95	Bobbin	ODI	4	0.49	10TH TSP	+8.24
20	65	10/95	Bobbin	NQI		0.33	10TH TSP	+20.86
20	66	10/95	Bobbin	ODI	20	0.34	4TH TSP	+7.25
20	74	10/95	Bobbin	ODI	9	1.03	12TH TSP	+27.17
20	89	10/95	Bobbin	ODI	22	0.62	7TH TSP	+27.48
20	92	10/95	Bobbin	ODI	26	0.92	8TH TSP	-1.19
		10/95	H/L Speci	VOL		0.77	8TH TSP	-1.22
21	5	10/95	Bobbin	ODI	37	0.21	17TH TSP	+10.96
21	24	10/95	Bobbin	ODI	8	2.98	12TH TSP	+41.08
		10/95	C/L Speci	VOL		0.53	11TH TSP	-1.69
21	53	10/95	Bobbin	ODI	30	0.56	11TH TSP	+26.19
		10/95	C/L Speci	VOL		0.42	11TH TSP	+25.77
21	64	10/95	Bobbin	ODI	26	0.46	4TH TSP	+31.14
21	67	10/95	Bobbin	ODI	11	0.60	5TH TSP	+6.63
		10/95	Bobbin	ODI	22	0.38	10TH TSP	+33.64
21	70	10/95	Bobbin	ODI	15	0.50	7TH TSP	+7.99
21	81	10/95	Bobbin	NQI		0.87	12TH TSP	+40.21
		10/95	C/L Speci	VOL		0.32	11TH TSP	-11.43
		10/95	C/L Speci	VOL		0.52	11TH TSP	-7.58
		10/95	C/L Speci	VOL		0.65	11TH TSP	+3.69
		10/95	C/L Speci	VOL		0.76	11TH TSP	-4.71
		10/95	C/L Speci	VOL		0.84	11TH TSP	-1.56
21	95	10/95	Bobbin	ODI	27	0.94	1ST TSP	+5.84
		10/95	H/L Speci	VOL		0.33	1ST TSP	+5.52
21	98	10/95	Bobbin	ODI	33	1.47	7TH TSP	+26.38
21	109	10/95	Bobbin	ADI		0.47	10TH TSP	+38.58
		10/95	C/L Speci	VOL		0.59	9TH TSP	-7.54
22	17	10/95	Bobbin	ODI	32	2.52	13TH TSP	+1.97
22	44	10/95	Bobbin	ODI	29	0.64	13TH TSP	+36.92
22	72	10/95	Bobbin	ODI	29	0.34	7TH TSP	+27.21
22	73	10/95	Bobbin	NQI		0.58	4TH TSP	-0.16
		10/95	H/L Speci	VOL		0.93	4TH TSP	-0.47
22	74	10/95	Bobbin	ADI		2.99	13TH TSP	+3.01
		10/95	C/L Speci	VOL		0.24	13TH TSP	+2.66
22	75	10/95	Bobbin	ODI	12	0.65	12TH TSP	+19.93
		10/95	Bobbin	ODI	30	0.44	10TH TSP	+22.01
22	77	10/95	Bobbin	ODI	3	1.03	10TH TSP	+41.39
22	80	10/95	Bobbin	ODI	9	1.48	13TH TSP	+9.91

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

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

INDS OF IMPERFECTIONS - SGC

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	Bobbin	ODI	17	1.45	13TH TSP	+12.77
22	81	10/95	Bobbin	ADI		2.90	4TH TSP	+20.57
		10/95	H/L Speci	VOL		0.90	4TH TSP	+20.71
22	90	10/95	Bobbin	ODI	24	1.72	6TH TSP	+2.82
22	93	10/95	Bobbin	NQI		0.33	10TH TSP	+42.79
		10/95	Bobbin	ODI	3	1.20	7TH TSP	+38.09
		10/95	Bobbin	ODI	13	0.70	10TH TSP	+44.03
22	100	10/95	Bobbin	ODI	11	1.41	15TH TSP	+13.30
22	104	10/95	Bobbin	NQI		0.53	17TH TSP	+4.24
		10/95	C/L Speci	VOL		0.61	17TH TSP	+1.55
		10/95	C/L Speci	VOL		0.78	17TH TSP	+4.16
22	107	10/95	Bobbin	ADI		1.65	12TH TSP	+35.92
		10/95	Bobbin	ODI	32	0.35	7TH TSP	+21.53
		10/95	C/L Speci	VOL		0.66	12TH TSP	+35.06
23	6	10/95	Bobbin	ODI	13	1.76	8TH TSP	+6.83
		10/95	Bobbin	ODI	12	1.54	12TH TSP	+22.70
		10/95	Bobbin	ODI	35	0.20	14TH TSP	+9.74
23	33	10/95	Bobbin	ODI	11	0.71	7TH TSP	+16.56
		10/95	H/L Speci	VOL		0.80	7TH TSP	+16.76
23	35	10/95	Bobbin	NQI		0.72	2ND TSP	+7.40
		10/95	H/L Speci	VOL		1.17	2ND TSP	+8.25
23	73	10/95	Bobbin	ADI		1.28	2ND TSP	+28.09
		10/95	H/L Speci	VOL		0.72	3RD TSP	-5.63
23	76	10/95	Bobbin	NQI		0.47	10TH TSP	+35.36
23	83	10/95	Bobbin	ODI	32	0.42	12TH TSP	+11.32
		10/95	C/L Speci	VOL		0.31	12TH TSP	+7.30
23	87	10/95	Bobbin	NQI		0.39	16TH TSP	+12.94
23	90	10/95	Bobbin	ODI	4	0.37	7TH TSP	+18.21
		10/95	Bobbin	ODI	29	0.31	7TH TSP	+26.07
23	91	10/95	Bobbin	ADI		0.79	10TH TSP	+34.95
		10/95	Bobbin	ADI		0.81	12TH TSP	+7.94
		10/95	Bobbin	ODI	15	0.44	6TH TSP	+36.69
		10/95	Bobbin	ODI	17	0.26	7TH TSP	+1.43
		10/95	C/L Speci	VOL		0.36	9TH TSP	-11.28
		10/95	C/L Speci	VOL		0.21	12TH TSP	+7.26
23	102	10/95	Bobbin	ODI	13	1.48	12TH TSP	+7.40
24	8	10/95	Bobbin	ODI	12	1.17	5TH TSP	+4.99
24	20	10/95	Bobbin	NQI		0.41	5TH TSP	+15.65
		10/95	H/L Speci	VOL		0.85	5TH TSP	+15.87
24	27	10/95	Bobbin	NQI		0.59	6TH TSP	+26.15
		10/95	H/L Speci	VOL		0.51	6TH TSP	+25.29
24	35	10/95	Bobbin	ODI	4	0.71	15TH TSP	+7.36
24	60	10/95	Bobbin	ODI	12	0.63	10TH TSP	+42.39
		10/95	Bobbin	ODI	23	0.42	10TH TSP	+40.80
		10/95	Bobbin	ODI	29	0.31	10TH TSP	+35.12
		10/95	Bobbin	ODI	30	0.49	10TH TSP	+38.27
24	61	10/95	Bobbin	ODI	19	1.10	17TH TSP	+11.62
24	64	10/95	Bobbin	ODI	32	0.31	12TH TSP	+8.74
24	65	10/95	Bobbin	ADI		1.96	10TH TSP	+4.28
		10/95	Bobbin	ODI	24	1.64	18TH TSP	+4.27
		10/95	C/L Speci	VOL		0.85	10TH TSP	+3.77
		10/95	C/L Speci	VOL		1.29	18TH TSP	+3.91
24	66	10/95	Bobbin	ADI		1.01	17TH TSP	+12.18
		10/95	Bobbin	NQI		0.52	15TH TSP	+2.07
		10/95	C/L Speci	VOL		0.38	15TH TSP	+2.05
		10/95	C/L Speci	VOL		0.41	17TH TSP	+11.77
24	67	10/95	Bobbin	ADI		0.91	12TH TSP	+9.25
		10/95	C/L Speci	VOL		0.48	12TH TSP	+8.93
		10/95	C/L Speci	VOL		0.50	12TH TSP	+12.61
24	72	10/95	Bobbin	NQI		0.14	10TH TSP	+43.58
24	75	10/95	Bobbin	ODI	24	0.46	7TH TSP	+29.72
		10/95	Bobbin	ODI	16	0.56	10TH TSP	+20.28
24	80	10/95	Bobbin	ODI	7	1.50	3RD TSP	+7.42
24	86	10/95	Bobbin	ADI		1.58	19TH TSP	+3.86
		10/95	Bobbin	NQI		0.21	10TH TSP	+41.82

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 S/G C
 10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	C/L Speci	VOL		0.23	9TH TSP	-3.93
		10/95	C/L Speci	VOL		0.58	19TH TSP	+3.55
24	87	10/95	Bobbin	ADI		1.28	10TH TSP	+19.67
		10/95	C/L Speci	VOL		0.86	10TH TSP	+17.99
24	97	10/95	Bobbin	ODI	5	0.73	7TH TSP	+12.42
		10/95	Bobbin	ODI	30	0.28	6TH TSP	+32.69
24	102	10/95	Bobbin	NQI		0.42	7TH TSP	+9.39
24	106	10/95	Bobbin	ODI	7	1.45	7TH TSP	+41.02
25	15	10/95	Bobbin	ADI		1.07	18TH TSP	+7.87
		10/95	C/L Speci	VOL		0.46	18TH TSP	+7.10
25	25	10/95	Bobbin	ODI	14	0.56	8TH TSP	-1.48
25	26	10/95	Bobbin	ODI	16	0.23	10TH TSP	+40.85
25	30	10/95	Bobbin	NQI		0.18	7TH TSP	+40.87
		10/95	Bobbin	ADI		1.10	18TH TSP	+7.58
		10/95	Bobbin	NQI		0.08	10TH TSP	+33.99
		10/95	Bobbin	ODI	25	0.53	7TH TSP	+37.85
		10/95	H/L Speci	VOL		0.81	8TH TSP	-4.00
		10/95	C/L Speci	VOL		0.18	18TH TSP	+7.58
25	39	10/95	Bobbin	ODI	20	0.44	7TH TSP	+33.37
25	43	10/95	Bobbin	ADI		1.81	15TH TSP	+6.26
		10/95	C/L Speci	VOL		0.48	15TH TSP	+6.13
		10/95	C/L Speci	VOL		0.58	15TH TSP	+8.67
25	45	10/95	Bobbin	ADI		4.86	7TH TSP	+14.98
		10/95	H/L Speci	VOL		0.59	7TH TSP	+15.03
25	48	10/95	H/L Tubes	VOL		0.73	TTS-HL	+2.60
		10/95	H/L Tubes	VOL		1.10	TTS-HL	-1.46
25	50	10/95	Bobbin	ADI		2.24	12TH TSP	+23.67
		10/95	C/L Speci	VOL		0.36	12TH TSP	+22.51
25	55	10/95	Bobbin	NQI		0.29	12TH TSP	+20.72
25	56	10/95	H/L Tubes	VOL		0.52	TTS-HL	+2.28
25	64	10/95	Bobbin	ADI		1.08	4TH TSP	+32.83
		10/95	H/L Speci	VOL		0.86	5TH TSP	-10.05
25	66	10/95	Bobbin	ODI	33	0.42	7TH TSP	+1.95
25	75	10/95	Bobbin	ADI		1.21	3RD TSP	+13.93
		10/95	Bobbin	ODI	5	0.82	2ND TSP	+30.97
		10/95	Bobbin	ODI	13	0.53	3RD TSP	+11.05
		10/95	H/L Speci	VOL		0.32	3RD TSP	+10.95
		10/95	H/L Speci	VOL		0.36	3RD TSP	+13.91
		10/95	H/L Speci	VOL		0.37	3RD TSP	+17.33
		10/95	H/L Speci	VOL		0.41	3RD TSP	+13.98
		10/95	H/L Speci	VOL		0.48	3RD TSP	-4.05
		10/95	H/L Speci	VOL		0.55	3RD TSP	+10.84
25	86	10/95	Bobbin	ODI	16	0.59	16TH TSP	+11.80
26	23	10/95	Bobbin	ODI	7	0.45	19TH TSP	+4.92
26	40	10/95	Bobbin	ODI	32	0.42	10TH TSP	+22.35
26	48	10/95	Bobbin	ODI	16	0.42	18TH TSP	+2.44
26	60	10/95	Bobbin	ODI	3	2.61	10TH TSP	+27.78
		10/95	C/L Speci	VOL		0.75	10TH TSP	+25.02
26	66	10/95	Bobbin	ODI	24	1.12	3RD TSP	+20.46
		10/95	H/L Speci	VOL		1.02	3RD TSP	+20.66
26	72	10/95	Bobbin	ODI	23	1.11	13TH TSP	+12.14
26	75	10/95	Bobbin	ODI	8	0.46	7TH TSP	+28.44
		10/95	Bobbin	ODI	10	0.91	10TH TSP	+44.22
26	80	10/95	Bobbin	NQI		0.25	6TH TSP	+38.69
26	90	10/95	Bobbin	ODI	13	0.57	7TH TSP	+32.94
		10/95	Bobbin	ODI	24	0.20	7TH TSP	+9.26
26	97	10/95	Bobbin	ADI		1.35	15TH TSP	+14.64
		10/95	C/L Speci	VOL		0.38	15TH TSP	+13.32
		10/95	C/L Speci	VOL		0.50	15TH TSP	+14.33
26	100	10/95	Bobbin	NQI		0.38	3RD TSP	+22.31
		10/95	H/L Speci	VOL		1.18	3RD TSP	+21.62
		10/95	H/L Speci	VOL		1.37	3RD TSP	+3.28
26	101	10/95	Bobbin	NQI		0.27	7TH TSP	+37.22
27	9	10/95	Bobbin	WAR	31	1.36	2AVB	+0.00
27	15	10/95	Bobbin	ADI		1.94	17TH TSP	+1.03

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
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ROW COL OUTAGE TEST TYPE IND #TW VOLTS LOCATION

		10/95	C/L Speci	VOL		0.59	17TH TSP	+0.86	
27	43	10/95	Bobbin	ODI	10	0.50	14TH TSP	+6.66	
27	54	10/95	Bobbin	ADI		1.82	7TH TSP	+1.59	
27	60	10/95	Bobbin	ODI	10	1.37	7TH TSP	+9.16	
27	64	10/95	Bobbin	ODI	8	0.48	10TH TSP	+36.07	
27	65	10/95	Bobbin	ODI	22	0.34	7TH TSP	+27.36	
27	79	10/95	Bobbin	ADI		1.46	10TH TSP	+28.82	
		10/95	C/L Speci	VOL		0.26	10TH TSP	+27.54	
27	80	10/95	Bobbin	ODI	2	0.81	6TH TSP	+31.35	
		10/95	Bobbin	ODI	21	0.50	7TH TSP	+23.82	
27	84	10/95	Bobbin	ODI	37	0.33	14TH TSP	+7.19	
		10/95	C/L Speci	VOL		0.16	14TH TSP	+7.05	
27	91	10/95	Bobbin	ODI	6	0.59	7TH TSP	+17.42	
28	10	10/95	Bobbin	WAR	14	0.42	2AVB	+0.00	
28	11	10/95	Bobbin	ADI		1.76	5TH TSP	+25.48	
		10/95	Bobbin	ADI		1.93	5TH TSP	+24.19	
		10/95	Bobbin	ADI		2.26	4TH TSP	+41.12	
		10/95	H/L Speci	VOL		0.76	5TH TSP	+30.62	
		10/95	H/L Speci	VOL		0.82	5TH TSP	+18.53	
		10/95	H/L Speci	VOL		0.82	5TH TSP	+24.71	
		10/95	H/L Speci	VOL		0.91	5TH TSP	+27.24	
		10/95	H/L Speci	VOL		1.01	5TH TSP	+22.49	
		10/95	H/L Speci	VOL		1.04	5TH TSP	+6.84	
		10/95	H/L Speci	VOL		1.10	5TH TSP	+17.28	
		10/95	H/L Speci	VOL		1.16	5TH TSP	+11.33	
		10/95	H/L Speci	VOL		1.24	5TH TSP	+21.37	
		10/95	H/L Speci	VOL		1.67	5TH TSP	-5.10	
		10/95	H/L Speci	VOL		1.80	5TH TSP	-1.40	
28	34	10/95	Bobbin	ODI	14	0.60	17TH TSP	+4.46	
28	55	10/95	Bobbin	ODI	25	0.36	14TH TSP	+13.01	
28	60	10/95	Bobbin	ODI	13	2.33	18TH TSP	+16.28	
28	62	10/95	Bobbin	ODI	14	1.39	6TH TSP	+38.59	
28	69	10/95	Bobbin	ADI		3.08	12TH TSP	+5.10	to +15.75
		10/95	C/L Speci	VOL		0.67	12TH TSP	+4.88	to +14.87
28	71	10/95	Bobbin	NQI		0.64	10TH TSP	+41.43	
		10/95	C/L Speci	VOL		0.49	9TH TSP	-4.44	
28	75	10/95	Bobbin	NQI		0.38	10TH TSP	+39.83	
		10/95	Bobbin	ODI	6	0.58	7TH TSP	+2.58	
		10/95	Bobbin	ODI	9	0.50	7TH TSP	+34.95	
		10/95	Bobbin	ODI	12	0.45	7TH TSP	+38.21	
28	77	10/95	Bobbin	ODI	8	0.87	10TH TSP	+36.65	
28	83	10/95	Bobbin	NQI		5.52	12TH TSP	+19.67	to +25.78
		10/95	C/L Speci	VOL		0.62	12TH TSP	+19.14	to +25.78
28	91	10/95	Bobbin	ODI	14	1.49	13TH TSP	+27.29	
28	100	10/95	Bobbin	NQI		0.68	17TH TSP	+12.90	
		10/95	C/L Speci	VOL		0.53	17TH TSP	+12.77	
28	105	10/95	Bobbin	WAR	18	0.60	3AVB	+0.00	
29	12	10/95	Bobbin	WAR	12	0.30	2AVB	+0.00	
29	28	10/95	Bobbin	ODI	7	1.05	9TH TSP	-0.60	
		10/95	Bobbin	ODI	21	0.29	7TH TSP	+36.85	
29	42	10/95	Bobbin	NQI		0.34	10TH TSP	+33.94	
29	59	10/95	Bobbin	ODI	8	1.43	18TH TSP	+16.03	
29	71	10/95	Bobbin	ODI	13	0.52	10TH TSP	+38.62	
29	75	10/95	Bobbin	ODI	12	0.77	7TH TSP	+34.51	
29	76	10/95	Bobbin	NQI		0.25	7TH TSP	+34.87	
		10/95	Bobbin	NQI		0.33	10TH TSP	+22.97	
		10/95	Bobbin	NQI		0.39	10TH TSP	+34.64	
		10/95	Bobbin	ODI	5	0.58	7TH TSP	+35.82	
		10/95	Bobbin	ODI	34	0.28	7TH TSP	+15.04	
		10/95	Bobbin	ODI	18	0.41	10TH TSP	+31.99	
		10/95	C/L Speci	VOL		0.64	9TH TSP	-9.52	
		10/95	C/L Speci	VOL		1.36	9TH TSP	-20.27	
29	79	10/95	Bobbin	ODI	5	0.92	7TH TSP	+8.63	
29	90	10/95	Bobbin	ODI	10	1.32	11TH TSP	+4.05	
		10/95	Bobbin	ODI	16	1.37	13TH TSP	+34.55	

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
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ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	C/L Speci	VOL		1.65	12TH TSP	-8.62
29	92	10/95	Bobbin	NQI		0.77	12TH TSP	+21.16
		10/95	C/L Speci	VOL		0.65	12TH TSP	+20.82
		10/95	C/L Speci	VOL		0.65	12TH TSP	+37.50
29	98	10/95	Bobbin	NQI		0.98	11TH TSP	+34.47
		10/95	C/L Speci	VOL		0.98	10TH TSP	-8.57
29	101	10/95	Bobbin	NQI		0.79	2ND TSP	+6.02
		10/95	Bobbin	ODI	2	0.66	TTS-CL	+4.38
		10/95	H/L Speci	VOL		1.69	2ND TSP	+6.10
30	24	10/95	Bobbin	ODI	20	0.45	9TH TSP	-1.49
30	30	10/95	Bobbin	NQI		0.64	4TH TSP	+38.25
		10/95	H/L Speci	VOL		0.82	5TH TSP	-5.06
30	39	10/95	Bobbin	ODI	28	1.94	10TH TSP	+27.01
30	41	10/95	Bobbin	NQI		0.41	16TH TSP	+5.84
		10/95	Bobbin	NQI		0.62	17TH TSP	+14.88
		10/95	Bobbin	NQI		0.70	16TH TSP	+13.29
		10/95	Bobbin	NQI		0.83	16TH TSP	+2.09
		10/95	Bobbin	NQI		1.08	16TH TSP	-0.49
		10/95	Bobbin	NQI		0.82	6TH TSP	+10.07 to +23.85
		10/95	C/L Speci	VOL		0.29	16TH TSP	+4.07
		10/95	C/L Speci	VOL		0.32	16TH TSP	+5.15
		10/95	C/L Speci	VOL		0.43	17TH TSP	+14.70
		10/95	C/L Speci	VOL		0.60	16TH TSP	+12.64
		10/95	C/L Speci	VOL		0.60	17TH TSP	+13.71
		10/95	C/L Speci	VOL		0.74	16TH TSP	+1.23
		10/95	C/L Speci	VOL		0.78	17TH TSP	+15.89
		10/95	H/L Speci	VOL		0.67	6TH TSP	+10.57 to +23.47
30	47	10/95	Bobbin	ODI	31	0.81	9TH TSP	+0.58
30	54	10/95	Bobbin	ODI	8	1.76	5TH TSP	+4.45
		10/95	Bobbin	ODI	9	0.38	18TH TSP	+6.57
		10/95	Bobbin	ODI	32	0.76	14TH TSP	+9.86
30	78	10/95	Bobbin	ODI	9	0.57	10TH TSP	+41.95
30	81	10/95	Bobbin	ODI	24	0.80	11TH TSP	+35.48
30	84	10/95	Bobbin	ODI	28	0.37	16TH TSP	+8.51
30	93	10/95	Bobbin	NQI		0.64	16TH TSP	+1.48
		10/95	C/L Speci	VOL		0.35	16TH TSP	+1.63
31	11	10/95	Bobbin	WAR	14	0.42	1AVB	+0.00
31	12	10/95	U-Bend	VOL		0.40	3AVB	+0.00
		10/95	Bobbin	WAR	17	0.55	3AVB	+0.00
31	20	10/95	Bobbin	ODI	4	0.57	2ND TSP	+17.11
31	24	10/95	Bobbin	ODI	23	0.78	10TH TSP	+27.99
31	28	10/95	Bobbin	ODI	20	0.73	9TH TSP	-1.00
31	42	10/95	Bobbin	ODI	34	0.29	8TH TSP	+0.00
31	49	10/95	U-Bend	VOL		0.98	9TH TSP	+4.45
		10/95	U-Bend	VOL		1.70	9TH TSP	+2.85
		10/95	Bobbin	ODI	20	1.52	9TH TSP	+3.50
31	66	10/95	Bobbin	ODI	6	0.23	10TH TSP	+35.12
31	94	10/95	Bobbin	ODI	30	0.36	17TH TSP	+9.79
32	12	10/95	U-Bend	VOL		0.82	4AVB	+0.00
		10/95	U-Bend	VOL		1.38	3AVB	+0.00
		10/95	Bobbin	WAR	13	0.39	2AVB	+0.00
		10/95	Bobbin	WAR	15	0.46	1AVB	+0.00
		10/95	Bobbin	WAR	31	1.45	4AVB	+0.00
		10/95	Bobbin	WAR	35	1.82	3AVB	+0.00
32	38	10/95	Bobbin	ODI	2	1.11	1ST TSP	+10.29
		10/95	Bobbin	ODI	16	0.43	12TH TSP	+22.05
32	45	10/95	Bobbin	NQI		0.55	10TH TSP	+22.01
		10/95	C/L Speci	VOL		0.75	10TH TSP	+22.11
32	47	10/95	Bobbin	NQI		1.68	1AVB	+13.81
		10/95	U-Bend	VOL		0.54	1AVB	+13.56
32	65	10/95	Bobbin	ODI	13	1.35	10TH TSP	+13.83
32	71	10/95	Bobbin	NQI		0.35	12TH TSP	+21.93
		10/95	Bobbin	ODI	17	0.54	12TH TSP	+22.94
		10/95	C/L Speci	VOL		0.66	12TH TSP	+22.49
		10/95	C/L Speci	VOL		0.68	12TH TSP	+23.60

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

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

32	73	10/95	Bobbin	ODI	28	0.52	12TH TSP	+34.14
32	77	10/95	Bobbin	ODI	9	1.63	1AVB	+17.29
32	79	10/95	Bobbin	ODI	35	0.31	9TH TSP	-1.28
		10/95	C/L Speci	VOL		0.77	9TH TSP	-1.34
32	82	10/95	Bobbin	NQI		0.17	12TH TSP	+21.57
		10/95	C/L Speci	VOL		0.29	12TH TSP	+22.71
32	83	10/95	Bobbin	ODI	13	0.58	10TH TSP	+41.55
32	84	10/95	Bobbin	ODI	3	0.91	1ST TSP	+19.94
32	85	10/95	Bobbin	ODI	22	0.34	16TH TSP	+5.25
32	86	10/95	Bobbin	ODI	4	1.99	4AVB	+6.89
32	90	10/95	Bobbin	NQI		0.30	7TH TSP	+40.40
		10/95	Bobbin	ODI	13	0.74	9TH TSP	-1.69
		10/95	Bobbin	ODI	22	0.67	7TH TSP	+38.02
		10/95	Bobbin	ODI	16	0.21	10TH TSP	+43.22
		10/95	C/L Speci	VOL		1.35	9TH TSP	-1.88
32	92	10/95	Bobbin	ODI	25	0.28	14TH TSP	+16.00
33	14	10/95	Bobbin	WAR	17	0.55	2AVB	+0.00
33	17	10/95	Bobbin	NQI		0.74	1ST TSP	+27.18
		10/95	H/L Speci	VOL		0.49	2ND TSP	-1.50
33	45	10/95	Bobbin	NQI		0.75	16TH TSP	+15.68
		10/95	C/L Speci	VOL		0.95	15TH TSP	-3.30
33	49	10/95	Bobbin	ODI	12	2.81	1ST TSP	+11.91
33	55	10/95	Bobbin	ODI	33	0.63	1AVB	+10.90
		10/95	Bobbin	WAR	27	1.11	3AVB	+0.00
33	61	10/95	Bobbin	ODI	5	0.19	8TH TSP	-1.15
33	64	10/95	Bobbin	ODI	31	1.01	4TH TSP	+9.28
33	65	10/95	Bobbin	ADI		1.70	4TH TSP	+7.61
		10/95	Bobbin	NQI		1.16	2ND TSP	+11.97
		10/95	H/L Speci	VOL		0.54	4TH TSP	+6.46
		10/95	H/L Speci	VOL		1.73	2ND TSP	+12.90
33	66	10/95	Bobbin	NQI		0.97	11TH TSP	+20.31
		10/95	C/L Speci	VOL		0.96	11TH TSP	+20.95
33	68	10/95	Bobbin	ODI	26	0.66	10TH TSP	+38.74
33	76	10/95	Bobbin	NQI		0.83	11TH TSP	+6.97
		10/95	C/L Speci	VOL		1.32	11TH TSP	+7.24
33	80	10/95	Bobbin	ODI	14	0.48	18TH TSP	+3.97
33	84	10/95	Bobbin	ADI		0.93	11TH TSP	+17.23
33	87	10/95	Bobbin	NQI		0.72	10TH TSP	+11.40
33	90	10/95	Bobbin	ADI		1.53	17TH TSP	+3.77
		10/95	C/L Speci	VOL		0.66	17TH TSP	+3.84
33	94	10/95	Bobbin	ODI	34	0.26	10TH TSP	+41.21
34	13	10/95	Bobbin	ADI		1.05	11TH TSP	+36.43
		10/95	C/L Speci	VOL		0.44	10TH TSP	-4.74
		10/95	C/L Speci	VOL		0.55	10TH TSP	-5.80
34	15	10/95	Bobbin	NQI		0.68	9TH TSP	+1.15
34	20	10/95	Bobbin	NQI		0.49	5TH TSP	+3.50
		10/95	Bobbin	NQI		0.57	14TH TSP	+4.00
		10/95	Bobbin	NQI		0.88	10TH TSP	+5.98
		10/95	Bobbin	ODI	21	0.57	7TH TSP	+35.94
		10/95	Bobbin	ODI	22	0.61	6TH TSP	+9.82
		10/95	H/L Speci	VOL		0.58	5TH TSP	+3.53
		10/95	C/L Speci	VOL		0.53	14TH TSP	+3.80
		10/95	C/L Speci	VOL		0.71	10TH TSP	+5.65
34	22	10/95	Bobbin	ODI	18	0.52	10TH TSP	+3.47
34	28	10/95	Bobbin	NQI		0.30	13TH TSP	+27.19
		10/95	Bobbin	NQI		0.34	13TH TSP	+25.04
		10/95	C/L Speci	VOL		0.22	13TH TSP	+24.21
		10/95	C/L Speci	VOL		0.38	13TH TSP	+18.71
		10/95	C/L Speci	VOL		0.43	13TH TSP	+31.10
		10/95	C/L Speci	VOL		0.60	13TH TSP	+26.08
34	39	10/95	Bobbin	ODI	28	0.53	11TH TSP	+9.67
		10/95	C/L Speci	VOL		0.47	11TH TSP	+9.87
34	54	10/95	Bobbin	ADI		1.66	13TH TSP	+16.17
		10/95	C/L Speci	VOL		0.55	13TH TSP	+15.52
34	63	10/95	Bobbin	NQI		0.33	6TH TSP	+36.20

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		0.56	7TH TSP	-7.59	
		10/95	H/L Speci	VOL		0.57	7TH TSP	-6.42	
34	68	10/95	Bobbin	ODI	2	1.51	11TH TSP	+6.06	
34	72	10/95	Bobbin	NQI		0.42	3RD TSP	+24.48	
		10/95	Bobbin	NQI		0.55	1ST TSP	+3.83	
		10/95	Bobbin	NQI		0.55	3RD TSP	+22.93	
		10/95	Bobbin	NQI		0.48	10TH TSP	+37.88	
		10/95	Bobbin	ODI	20	0.39	10TH TSP	+8.81	
		10/95	H/L Speci	VOL		0.42	3RD TSP	+20.95	
		10/95	H/L Speci	VOL		0.44	3RD TSP	+22.47	
		10/95	H/L Speci	VOL		0.93	1ST TSP	+3.47	
		10/95	C/L Speci	VOL		0.63	10TH TSP	+8.79	
		10/95	C/L Speci	VOL		0.80	10TH TSP	+37.77	
34	82	10/95	Bobbin	ODI	6	0.39	12TH TSP	+34.45	
34	88	10/95	Bobbin	ODI	11	0.68	10TH TSP	+11.63	
35	24	10/95	Bobbin	ODI	26	0.27	11TH TSP	+20.84	
35	27	10/95	Bobbin	ODI	6	0.80	1ST TSP	+16.13	
35	34	10/95	Bobbin	ODI	31	0.45	14TH TSP	+12.58	
35	41	10/95	Bobbin	NQI		0.56	11TH TSP	+34.13	
35	61	10/95	Bobbin	NQI		0.27	8TH TSP	-0.71	
		10/95	Bobbin	NQI		0.33	4TH TSP	+12.71	
35	62	10/95	Bobbin	NQI		0.88	10TH TSP	+33.74	
35	64	10/95	Bobbin	ADI		2.54	2ND TSP	+12.15	to +20.71
		10/95	H/L Speci	VOL		1.57	2ND TSP	+16.10	to +22.62
35	65	10/95	Bobbin	ODI	23	1.05	TTS-HL	+1.26	
		10/95	H/L Tubes	VOL		0.76	TTS-HL	+1.61	
35	74	10/95	Bobbin	ADI		0.28	10TH TSP	+39.65	
		10/95	Bobbin	ODI	24	0.39	8TH TSP	-1.27	
		10/95	C/L Speci	VOL		2.17	9TH TSP	-4.95	
35	80	10/95	Bobbin	ODI	15	0.57	17TH TSP	+7.78	
35	87	10/95	Bobbin	ODI	10	1.00	5TH TSP	+13.33	
		10/95	Bobbin	ODI	31	0.39	4TH TSP	+14.78	
35	97	10/95	Bobbin	ODI	39	0.63	8TH TSP	-1.46	
36	21	10/95	Bobbin	ODI	17	0.65	10TH TSP	+36.46	
36	24	10/95	Bobbin	ADI		6.45	4AVB	+1.50	
		10/95	U-Bend	VOL		0.61	4AVB	+0.69	
36	25	10/95	Bobbin	ADI		1.54	13TH TSP	+20.51	
		10/95	C/L Speci	VOL		0.38	13TH TSP	+19.77	
36	31	10/95	Bobbin	ODI	4	1.29	11TH TSP	+36.80	
36	39	10/95	Bobbin	ADI		1.92	TTS-HL	+7.07	
		10/95	Bobbin	ODI	28	0.69	8TH TSP	+9.19	
		10/95	H/L Speci	VOL		0.49	TTS-HL	+7.23	
36	40	10/95	Bobbin	ADI		4.17	12TH TSP	+18.57	
		10/95	Bobbin	ODI	9	0.88	13TH TSP	+41.34	
		10/95	C/L Speci	VOL		0.37	12TH TSP	+5.00	
		10/95	C/L Speci	VOL		0.52	12TH TSP	+11.96	
		10/95	C/L Speci	VOL		0.59	12TH TSP	+17.02	
36	54	10/95	Bobbin	ODI	35	0.42	11TH TSP	+13.86	
		10/95	C/L Speci	VOL		0.33	11TH TSP	+13.36	
36	85	10/95	Bobbin	NQI		0.43	7TH TSP	+41.34	
		10/95	Bobbin	NQI		0.84	8TH TSP	-0.47	
		10/95	Bobbin	NQI		0.26	10TH TSP	+25.97	
		10/95	Bobbin	NQI		0.32	10TH TSP	+42.64	
		10/95	Bobbin	NQI		0.36	10TH TSP	+23.19	
		10/95	Bobbin	ODI	11	0.22	10TH TSP	+27.15	
		10/95	Bobbin	ODI	11	0.41	10TH TSP	+30.91	
		10/95	C/L Speci	VOL		0.46	9TH TSP	-23.48	
36	90	10/95	Bobbin	ODI	6	0.98	12TH TSP	+19.72	
36	98	10/95	Bobbin	WAR	14	0.41	2AVB	+0.00	
37	23	10/95	Bobbin	ODI	32	0.21	11TH TSP	+33.87	
37	27	10/95	Bobbin	NQI		0.65	9TH TSP	+0.91	
		10/95	U-Bend	VOL		0.71	9TH TSP	+1.21	
37	31	10/95	Bobbin	ODI	5	0.57	17TH TSP	-1.61	
37	40	10/95	Bobbin	ADI		4.99	1AVB	+16.96	
		10/95	U-Bend	VOL		0.83	1AVB	+16.50	

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

S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	ODI	26	0.97	2ND TSP	+18.94	
		10/95	Bobbin	ODI	32	0.96	7TH TSP	+2.25	
		10/95	Bobbin	ODI	9	1.09	11TH TSP	+5.57	
37	41	10/95	Bobbin	ADI		4.23	9TH TSP	+27.52	
		10/95	U-Bend	VOL		1.61	9TH TSP	+24.00	
37	53	10/95	Bobbin	ODI	2	0.82	17TH TSP	+10.84	
		10/95	Bobbin	ODI	4	0.42	17TH TSP	+4.49	
37	55	10/95	Bobbin	ODI	20	0.84	17TH TSP	+1.39	
37	61	10/95	Bobbin	NQI		0.44	11TH TSP	+41.33	
		10/95	Bobbin	ODI	1	1.45	13TH TSP	+34.84	
		10/95	Bobbin	ODI	16	0.55	11TH TSP	+26.48	
		10/95	C/L Speci	VOL		0.58	10TH TSP	-3.19	
37	68	10/95	Bobbin	ADI		2.09	12TH TSP	+28.72	
		10/95	C/L Speci	VOL		0.69	12TH TSP	+29.47	
37	77	10/95	Bobbin	ODI	3	0.82	7TH TSP	+30.40	
		10/95	Bobbin	ODI	3	0.89	18TH TSP	+7.15	
		10/95	Bobbin	ODI	9	0.31	12TH TSP	+32.24	
37	87	10/95	Bobbin	ODI	4	1.24	14TH TSP	+14.22	
37	88	10/95	Bobbin	NQI		5.94	13TH TSP	-11.87	to -1.20
37	90	10/95	Bobbin	ODI	6	1.51	TTS-HL	+6.01	
37	92	10/95	Bobbin	ODI	3	1.12	7TH TSP	+23.94	
37	98	10/95	Bobbin	ODI	7	1.49	9TH TSP	+12.94	
37	99	10/95	Bobbin	ODI	4	0.40	1ST TSP	+22.89	
38	17	10/95	Bobbin	WAR	17	0.45	2AVB	+0.00	
38	23	10/95	Bobbin	WAR	10	0.23	4AVB	+0.00	
38	27	10/95	Bobbin	ODI	16	1.51	11TH TSP	+25.30	
		10/95	C/L Speci	VOL		0.81	11TH TSP	+25.04	
38	34	10/95	Bobbin	WAR	10	0.24	2AVB	+0.00	
38	39	10/95	Bobbin	NQI		0.23	7TH TSP	+36.67	
		10/95	Bobbin	NQI		0.46	10TH TSP	+28.39	
		10/95	Bobbin	ODI	6	0.87	17TH TSP	+5.56	
38	41	10/95	Bobbin	ODI	13	1.30	1AVB	+12.48	
		10/95	Bobbin	ODI	28	0.26	14TH TSP	+13.43	
38	54	10/95	Bobbin	ADI		1.21	6TH TSP	+39.18	
		10/95	H/L Speci	VOL		0.43	7TH TSP	-3.82	
38	63	10/95	Bobbin	NQI		0.33	8TH TSP	+1.52	
		10/95	Bobbin	ODI	21	0.67	2ND TSP	+10.76	
38	69	10/95	Bobbin	ODI	5	0.94	4TH TSP	+15.73	
38	74	10/95	Bobbin	ODI	15	2.69	9TH TSP	+22.61	
38	86	10/95	Bobbin	ODI	11	0.66	16TH TSP	+6.33	
38	88	10/95	Bobbin	ODI	10	0.98	16TH TSP	+8.95	
38	90	10/95	Bobbin	ODI	5	3.97	19TH TSP	+4.89	
		10/95	C/L Speci	VOL		1.35	19TH TSP	+5.15	
38	96	10/95	Bobbin	ODI	13	1.17	10TH TSP	+26.75	
38	97	10/95	Bobbin	WAR	18	0.58	2AVB	+0.00	
		10/95	Bobbin	ODI	4	1.70	11TH TSP	+29.81	
		10/95	Bobbin	ODI	14	0.73	12TH TSP	+24.05	
38	99	10/95	Bobbin	WAR	19	0.62	3AVB	+0.00	
		10/95	Bobbin	WAR	33	1.62	4AVB	+0.00	
39	17	10/95	Bobbin	WAR	9	0.21	1AVB	+0.00	
39	27	10/95	Bobbin	WAR	16	0.42	3AVB	+0.00	
39	40	10/95	Bobbin	ODI	26	0.30	11TH TSP	+37.20	
39	46	10/95	Bobbin	ADI		2.25	13TH TSP	+13.08	
		10/95	C/L Speci	VOL		0.75	13TH TSP	+12.14	
39	62	10/95	Bobbin	ODI	20	1.07	13TH TSP	+15.62	
39	66	10/95	Bobbin	ODI	3	1.61	4TH TSP	+25.70	
39	69	10/95	Bobbin	NQI		1.38	9TH TSP	+19.41	
39	74	10/95	Bobbin	ADI		0.94	7TH TSP	+31.39	
39	80	10/95	Bobbin	ODI	11	0.99	18TH TSP	+12.50	
39	83	10/95	Bobbin	ADI		1.83	3AVB	+6.86	
39	89	10/95	Bobbin	NQI		0.51	9TH TSP	+1.07	
39	96	10/95	Bobbin	ODI	11	1.21	11TH TSP	-0.96	
39	97	10/95	Bobbin	WAR	10	0.28	3AVB	+0.00	
		10/95	Bobbin	WAR	13	0.37	2AVB	+0.00	
		10/95	Bobbin	WAR	16	0.49	4AVB	+0.00	

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

39	98	10/95	Bobbin	NQI		0.25	10TH TSP	+38.38
		10/95	Bobbin	NQI		0.29	10TH TSP	+31.38
		10/95	Bobbin	ODI	3	0.56	10TH TSP	+37.40
40	19	10/95	Bobbin	ODI	8	0.41	10TH TSP	+29.08
40	30	10/95	Bobbin	ODI	1	0.41	11TH TSP	+28.53
		10/95	C/L Speci	VOL		0.63	11TH TSP	+27.53
40	32	10/95	Bobbin	ODI	9	1.36	6TH TSP	+30.98
40	38	10/95	Bobbin	ODI	23	0.91	6TH TSP	+33.09
40	46	10/95	Bobbin	ODI	16	0.44	6TH TSP	+4.26
40	49	10/95	U-Bend	VOL		1.50	4AVB	-0.75
		10/95	Bobbin	WAR	36	2.13	4AVB	+0.00
40	69	10/95	Bobbin	ODI	18	0.58	7TH TSP	+9.94
		10/95	Bobbin	ODI	25	0.42	11TH TSP	+20.96
40	73	10/95	Bobbin	NQI		0.58	11TH TSP	+25.85
		10/95	C/L Speci	VOL		0.76	11TH TSP	+25.82
40	82	10/95	Bobbin	ODI	18	0.31	6TH TSP	+32.61
40	84	10/95	Bobbin	NQI		0.49	11TH TSP	+28.44
		10/95	C/L Speci	VOL		0.45	10TH TSP	-14.56
40	85	10/95	H/L Tubes	VOL		1.03	TTS-HL	+1.21
40	88	10/95	Bobbin	ODI	11	0.52	10TH TSP	+33.23
40	90	10/95	Bobbin	ODI	1	0.74	16TH TSP	+8.53
		10/95	Bobbin	ODI	3	2.91	11TH TSP	+26.52
40	97	10/95	Bobbin	ODI	6	0.97	10TH TSP	+37.24
41	34	10/95	Bobbin	ODI	6	0.47	14TH TSP	+10.03
41	68	10/95	Bobbin	ADI		1.93	11TH TSP	+31.69
		10/95	C/L Speci	VOL		0.67	10TH TSP	-11.45
41	83	10/95	Bobbin	NQI		1.00	5TH TSP	+33.21
		10/95	H/L Speci	VOL		1.22	6TH TSP	-8.83
41	88	10/95	Bobbin	NQI		2.13	2AVB	+9.55
41	92	10/95	Bobbin	NQI		0.31	9TH TSP	-1.61
		10/95	Bobbin	ODI	17	0.62	10TH TSP	+25.59
42	26	10/95	Bobbin	NQI		1.03	2AVB	+10.43
		10/95	U-Bend	VOL		0.64	2AVB	+9.89
42	51	10/95	Bobbin	ODI	5	0.60	10TH TSP	+16.54
		10/95	Bobbin	ODI	19	1.01	11TH TSP	+30.76
42	80	10/95	Bobbin	NQI		0.59	11TH TSP	+1.03
		10/95	C/L Speci	VOL		0.97	11TH TSP	+1.33
42	84	10/95	Bobbin	NQI		0.29	5TH TSP	+34.02
		10/95	H/L Speci	VOL		0.53	6TH TSP	-6.96
42	87	10/95	Bobbin	ADI		1.36	19TH TSP	+5.92
		10/95	C/L Speci	VOL		0.35	19TH TSP	+5.95
42	89	10/95	Bobbin	NQI		0.52	7TH TSP	+21.06
42	90	10/95	Bobbin	NQI		0.78	14TH TSP	+5.21
		10/95	C/L Speci	VOL		0.53	14TH TSP	+5.25
43	22	10/95	Bobbin	ODI	9	1.03	1ST TSP	+4.35
43	23	10/95	Bobbin	ODI	8	1.22	7TH TSP	+14.04
43	29	10/95	Bobbin	ODI	2	1.59	16TH TSP	+9.61
		10/95	Bobbin	ODI	4	0.94	12TH TSP	+13.24
		10/95	Bobbin	ODI	21	0.38	11TH TSP	+23.54
		10/95	Bobbin	ODI	22	0.79	17TH TSP	+15.96
43	37	10/95	Bobbin	NQI		0.64	1ST TSP	+11.33
		10/95	H/L Speci	VOL		1.56	1ST TSP	+11.02
43	45	10/95	Bobbin	NQI		0.58	10TH TSP	+43.18
		10/95	Bobbin	NQI		0.77	11TH TSP	+9.04
		10/95	C/L Speci	VOL		0.72	9TH TSP	-4.24
		10/95	C/L Speci	VOL		0.58	11TH TSP	+9.43
43	55	10/95	Bobbin	ODI	21	0.48	6TH TSP	-0.72
		10/95	Bobbin	ODI	15	1.41	11TH TSP	+20.24
43	59	10/95	Bobbin	ODI	4	1.17	10TH TSP	+15.60
		10/95	C/L Speci	VOL		0.36	18TH TSP	-1.69
43	66	10/95	Bobbin	ODI	22	0.29	6TH TSP	+32.04
43	71	10/95	Bobbin	NQI		0.51	3RD TSP	+6.97
		10/95	Bobbin	ODI	30	0.99	1ST TSP	+27.43
		10/95	H/L Speci	VOL		0.86	3RD TSP	+7.48
		10/95	H/L Speci	VOL		1.14	2ND TSP	-3.30

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

43	86	10/95	Bobbin	ADI		4.24	13TH TSP	+25.50 to +55.01
		10/95	C/L Speci	VOL		0.34	12TH TSP	+1.19
		10/95	C/L Speci	VOL		0.34	13TH TSP	+26.17
		10/95	C/L Speci	VOL		0.52	13TH TSP	+40.71
		10/95	C/L Speci	VOL		0.88	12TH TSP	+3.04
		10/95	C/L Speci	VOL		0.92	12TH TSP	+11.37
43	89	10/95	Bobbin	NQI		0.28	11TH TSP	+25.86
43	92	10/95	Bobbin	ODI	16	0.47	10TH TSP	+30.70
44	23	10/95	Bobbin	WAR	11	0.32	3AVB	+0.00
44	46	10/95	Bobbin	NQI		0.23	13TH TSP	+1.97
		10/95	C/L Speci	VOL		0.63	13TH TSP	+1.95
44	50	10/95	Bobbin	ODI	9	0.38	9TH TSP	-0.64
44	54	10/95	H/L Tubes	VOL		1.15	TTS-HL	+0.63
44	71	10/95	Bobbin	ADI		0.97	18TH TSP	+2.51
		10/95	C/L Speci	VOL		0.51	18TH TSP	+2.21
44	76	10/95	Bobbin	ODI	1	1.03	14TH TSP	+5.37
		10/95	C/L Speci	VOL		0.87	14TH TSP	+5.78
44	80	10/95	Bobbin	ODI	1	0.62	6TH TSP	+22.56
44	81	10/95	Bobbin	WAR	24	0.88	3AVB	+0.00
		10/95	Bobbin	WAR	28	1.17	2AVB	+0.00
44	86	10/95	Bobbin	ODI	13	0.38	11TH TSP	+30.61
44	87	10/95	Bobbin	NQI		2.89	18TH TSP	+11.11
		10/95	Bobbin	ODI	32	0.24	11TH TSP	+39.14
		10/95	C/L Speci	VOL		1.14	18TH TSP	+11.49
44	88	10/95	Bobbin	NQI		0.56	16TH TSP	+11.50
		10/95	Bobbin	ODI	11	0.31	10TH TSP	+42.26
44	92	10/95	Bobbin	WAR	6	0.20	4AVB	+0.00
		10/95	Bobbin	WAR	8	0.27	3AVB	+0.00
45	41	10/95	Bobbin	ODI	1	0.96	13TH TSP	+21.64
		10/95	Bobbin	ODI	9	0.47	13TH TSP	+31.01
45	46	10/95	Bobbin	ODI	27	0.19	7TH TSP	+39.65
45	50	10/95	Bobbin	ODI	31	0.33	9TH TSP	-1.17
		10/95	Bobbin	ODI	8	1.90	17TH TSP	+26.06
45	51	10/95	Bobbin	ODI	4	1.59	4AVB	+8.35
		10/95	Bobbin	NQI		0.21	10TH TSP	+15.96
45	56	10/95	Bobbin	ODI	10	0.50	4AVB	+15.07
45	59	10/95	Bobbin	ODI	19	1.04	4AVB	-1.40
		10/95	Bobbin	NQI		0.53	4TH TSP	+8.59
		10/95	Bobbin	ADI		0.77	11TH TSP	+18.25
		10/95	Bobbin	NQI		0.60	11TH TSP	+0.60
		10/95	Bobbin	ODI	20	2.86	13TH TSP	+6.49
		10/95	Bobbin	ODI	32	0.80	13TH TSP	+24.08
		10/95	H/L Speci	VOL		0.83	4TH TSP	+8.63
		10/95	C/L Speci	VOL		0.22	11TH TSP	+18.53
		10/95	C/L Speci	VOL		0.87	11TH TSP	+0.74
45	61	10/95	Bobbin	NQI		0.77	13TH TSP	+18.13
		10/95	C/L Speci	VOL		0.54	13TH TSP	+18.70
45	62	10/95	Bobbin	ODI	7	1.95	2ND TSP	+12.11
45	67	10/95	Bobbin	ODI	24	0.77	2ND TSP	+13.89
45	70	10/95	Bobbin	NQI		0.47	1ST TSP	+8.53
45	73	10/95	Bobbin	NQI		0.54	4TH TSP	+27.15
45	86	10/95	Bobbin	ODI	1	3.86	3AVB	+3.14
		10/95	Bobbin	ODI	15	0.83	12TH TSP	+40.98
45	88	10/95	Bobbin	ODI	1	1.20	7TH TSP	+38.64
46	34	10/95	Bobbin	ODI	25	1.06	12TH TSP	+11.55
46	41	10/95	Bobbin	ODI	12	0.85	7TH TSP	+5.41
46	47	10/95	Bobbin	ODI	16	0.55	13TH TSP	+4.78
		10/95	Bobbin	ODI	17	0.64	13TH TSP	+21.19
		10/95	Bobbin	ODI	18	1.21	13TH TSP	+10.20
		10/95	Bobbin	ODI	32	0.88	13TH TSP	+17.88
46	49	10/95	Bobbin	ODI	9	0.40	11TH TSP	+31.52
46	55	10/95	Bobbin	ODI	36	0.61	8TH TSP	-1.37
46	88	10/95	Bobbin	ODI	22	0.53	10TH TSP	+28.00
47	28	10/95	Bobbin	NQI		0.80	8TH TSP	+1.53
47	35	10/95	Bobbin	NQI		0.50	9TH TSP	+1.67

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G C

10/95 RFO

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

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S/G C - ATTACHMENT #3 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGC

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

47	42	10/95	U-Bend	VOL		1.51	9TH TSP	+25.60	
		10/95	Bobbin	ODI	14	5.03	9TH TSP	+27.58	
		10/95	Bobbin	ODI	16	0.42	15TH TSP	+32.42	
47	55	10/95	Bobbin	NQI		0.84	1ST TSP	+15.32	
47	82	10/95	Bobbin	ODI	6	3.84	15TH TSP	+27.61	
		10/95	C/L Speci	VOL		1.61	13TH TSP	-6.48	
48	29	10/95	Bobbin	ODI	15	1.20	11TH TSP	+39.67	
		10/95	Bobbin	ODI	29	0.56	15TH TSP	+21.18	
48	30	10/95	Bobbin	ADI		1.46	13TH TSP	+29.49	
		10/95	C/L Speci	VOL		0.31	12TH TSP	-13.69	
48	32	10/95	Bobbin	ODI	37	0.48	5TH TSP	+35.49	
		10/95	H/L Speci	VOL		0.44	6TH TSP	-7.07	
48	37	10/95	U-Bend	VOL		0.79	1AVB	+27.40	
		10/95	Bobbin	ODI	10	1.47	1AVB	+29.57	
48	45	10/95	Bobbin	ADI		2.47	5TH TSP	+13.66	
		10/95	Bobbin	ADI		1.09	15TH TSP	+32.15	
		10/95	H/L Speci	VOL		1.06	5TH TSP	+13.80	
		10/95	C/L Speci	VOL		0.87	13TH TSP	-4.03	
48	48	10/95	Bobbin	ADI		3.27	3RD TSP	+16.15	
		10/95	Bobbin	ADI		2.62	13TH TSP	+18.58	
		10/95	Bobbin	ODI	30	0.48	17TH TSP	+26.04	
		10/95	H/L Speci	VOL		2.02	3RD TSP	+16.30	
		10/95	C/L Speci	VOL		0.57	18TH TSP	+6.13	
		10/95	C/L Speci	VOL		1.24	13TH TSP	+18.20	
48	50	10/95	Bobbin	NQI		0.52	11TH TSP	-1.26	
		10/95	C/L Speci	VOL		0.99	11TH TSP	-1.20	
48	52	10/95	Bobbin	ODI	7	0.57	15TH TSP	+29.60	
		10/95	Bobbin	ODI	17	0.32	15TH TSP	+29.37	
48	53	10/95	Bobbin	NQI		0.92	4TH TSP	+10.93	
		10/95	Bobbin	NQI		1.73	18TH TSP	+3.63	to +12.68
48	60	10/95	Bobbin	ODI	35	1.10	13TH TSP	+31.56	
48	72	10/95	Bobbin	NQI		0.38	8TH TSP	+2.56	
48	75	10/95	Bobbin	ADI		1.82	6TH TSP	+19.66	
48	76	10/95	Bobbin	ODI	6	1.29	15TH TSP	+7.05	
		10/95	Bobbin	ODI	6	4.48	10TH TSP	+6.80	
48	86	10/95	Bobbin	NQI		0.21	17TH TSP	+19.36	
		10/95	Bobbin	ODI	2	1.46	13TH TSP	+7.38	
		10/95	Bobbin	ODI	8	0.99	18TH TSP	+13.88	
		10/95	Bobbin	ODI	11	4.27	11TH TSP	+15.09	
49	31	10/95	Bobbin	ADI		4.75	3RD TSP	+9.92	to +35.00
		10/95	H/L Speci	VOL		0.85	3RD TSP	+9.92	to +35.00
49	32	10/95	Bobbin	ODI	24	0.75	1AVB	+0.00	
49	39	10/95	Bobbin	ADI		4.93	5TH TSP	+5.85	
		10/95	H/L Speci	VOL		0.69	5TH TSP	+5.91	
		10/95	H/L Speci	VOL		1.03	5TH TSP	+7.38	
49	52	10/95	Bobbin	ADI		1.44	15TH TSP	+5.98	
49	55	10/95	Bobbin	NQI		0.59	7TH TSP	+34.03	
		10/95	Bobbin	ODI	22	0.43	7TH TSP	+38.22	
		10/95	H/L Speci	VOL		0.99	8TH TSP	-8.65	
49	59	10/95	Bobbin	ODI	11	1.37	11TH TSP	+36.13	
49	63	10/95	Bobbin	ODI	30	0.48	15TH TSP	+31.88	
49	65	10/95	Bobbin	ODI	16	0.34	19TH TSP	+5.05	
49	69	10/95	Bobbin	ADI		1.15	12TH TSP	+20.85	
49	72	10/95	Bobbin	NQI		0.54	17TH TSP	+6.85	
49	73	10/95	Bobbin	NQI		0.22	TTS-CL	+2.62	
49	76	10/95	Bobbin	ADI		4.30	1AVB	-0.98	
		10/95	U-Bend	VOL		0.86	1AVB	-0.57	
49	81	10/95	Bobbin	ODI	14	0.63	15TH TSP	+26.75	

Total Indications Found = 1033
 Total Tubes Found = 533

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G D

10/95 RFO

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

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

1	3	10/95	Bobbin	ODI	9	0.38	4TH TSP	+12.10	
1	9	10/95	Bobbin	NQI		0.87	5TH TSP	+13.82	
		10/95	H/L Speci	VOL		1.04	5TH TSP	+13.85	
1	14	10/95	Bobbin	NQI		0.59	2ND TSP	+33.42	
		10/95	H/L Speci	VOL		0.93	3RD TSP	-2.56	
1	30	10/95	Bobbin	ADI		4.36	7TH TSP	+20.27	
		10/95	Bobbin	ADI		4.79	7TH TSP	+15.75	
		10/95	H/L Speci	VOL		0.97	7TH TSP	+16.10	
		10/95	H/L Speci	VOL		1.96	7TH TSP	+11.26	
1	32	10/95	Bobbin	ODI	13	1.17	13TH TSP	+20.69	
		10/95	Bobbin	ODI	15	0.52	12TH TSP	+23.99	
		10/95	C/L Speci	VOL		0.39	13TH TSP	+20.80	
1	34	10/95	Bobbin	ADI		1.72	7TH TSP	+33.95	
		10/95	Bobbin	ADI		2.87	3RD TSP	+29.37	
		10/95	Bobbin	ADI		3.24	7TH TSP	+31.41	
		10/95	Bobbin	NQI		0.63	1ST TSP	+19.59	
		10/95	H/L Speci	VOL		0.33	3RD TSP	+29.09	
		10/95	H/L Speci	VOL		0.65	7TH TSP	+33.34	
		10/95	H/L Speci	VOL		0.77	1ST TSP	+19.03	
		10/95	H/L Speci	VOL		0.86	7TH TSP	+30.38	
		10/95	H/L Speci	VOL		1.30	7TH TSP	+27.39	
1	37	10/95	Bobbin	ADI		0.80	5TH TSP	+34.11	
		10/95	Bobbin	NQI		0.29	5TH TSP	+33.24	
		10/95	Bobbin	ODI	26	0.53	12TH TSP	+33.46	
		10/95	H/L Speci	VOL		0.19	5TH TSP	+34.49	
		10/95	H/L Speci	VOL		0.75	5TH TSP	+33.50	
1	42	10/95	Bobbin	ODI	4	1.15	2ND TSP	+2.51	
		10/95	Bobbin	ODI	14	0.60	2ND TSP	+5.88	
1	46	10/95	Bobbin	ODI	9	0.45	4TH TSP	+8.32	
		10/95	H/L Speci	VOL		0.80	4TH TSP	+7.87	
1	50	10/95	Bobbin	ODI	7	0.34	2ND TSP	+18.04	
1	59	10/95	Bobbin	NQI		0.47	12TH TSP	+18.17	
1	66	10/95	Bobbin	ADI		8.06	10TH TSP	+34.71	
		10/95	C/L Speci	VOL		2.00	9TH TSP	-12.41	
1	94	10/95	Bobbin	NQI		0.56	3RD TSP	+5.24	
		10/95	Bobbin	ODI	11	0.80	7TH TSP	+24.78	
		10/95	Bobbin	NQI		0.75	18TH TSP	+14.59	to +19.88
		10/95	C/L Speci	VOL		0.61	18TH TSP	+14.59	to +19.88
1	95	10/95	Bobbin	ODI	28	1.73	18TH TSP	+4.34	
		10/95	C/L Speci	VOL		2.08	18TH TSP	+4.18	
1	97	10/95	Bobbin	NQI		0.42	2ND TSP	+2.86	
1	104	10/95	Bobbin	ADI		1.77	1ST TSP	+5.31	
		10/95	H/L Speci	VOL		0.45	1ST TSP	+4.85	
		10/95	H/L Speci	VOL		0.19	1ST TSP	+5.91	to +13.81
1	106	10/95	Bobbin	ODI	14	1.28	7TH TSP	+31.14	
1	113	10/95	Bobbin	ADI		1.67	16TH TSP	+28.11	
		10/95	Bobbin	ADI		2.38	14TH TSP	+10.58	
		10/95	Bobbin	ADI		2.65	16TH TSP	+18.95	
		10/95	Bobbin	NQI		0.94	18TH TSP	+26.76	
		10/95	C/L Speci	VOL		0.28	14TH TSP	+11.16	
		10/95	C/L Speci	VOL		0.32	18TH TSP	+18.70	
		10/95	C/L Speci	VOL		0.40	18TH TSP	+28.11	
		10/95	C/L Speci	VOL		0.52	16TH TSP	+19.39	
		10/95	C/L Speci	VOL		0.55	16TH TSP	+18.42	
		10/95	C/L Speci	VOL		0.90	16TH TSP	+28.19	
2	1	10/95	Bobbin	ODI	37	0.72	14TH TSP	+11.54	
		10/95	C/L Speci	VOL		0.81	14TH TSP	+11.55	
2	2	10/95	Bobbin	ADI		3.02	18TH TSP	+29.20	
		10/95	C/L Speci	VOL		4.82	18TH TSP	+28.23	
2	3	10/95	Bobbin	ODI	9	1.46	3RD TSP	+26.80	
		10/95	Bobbin	ODI	24	0.58	5TH TSP	+31.35	
		10/95	Bobbin	ODI	32	1.84	13TH TSP	+25.71	
2	7	10/95	Bobbin	ODI	16	0.89	7TH TSP	+19.69	
		10/95	Bobbin	ODI	26	0.94	7TH TSP	+18.33	
2	38	10/95	Bobbin	ODI	8	0.43	16TH TSP	+24.37	

BWNT TUBAN II (Version 2.1)

10/30/1995 13:43:14

Catawba Nuclear Station - Unit Two

S/G D

10/95 RFO

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

Page 2

2	45	10/95	Bobbin	NQI		0.34	1ST TSP	+25.46		
		10/95	H/L Speci	VOL		0.89	1ST TSP	+24.70		
2	72	10/95	Bobbin	ADI		3.06	16TH TSP	+29.35		
		10/95	Bobbin	ODI	11	0.88	5TH TSP	+14.32		
		10/95	C/L Speci	VOL		1.52	16TH TSP	+30.24		
2	84	10/95	Bobbin	ODI	3	0.40	4TH TSP	+36.98		
		10/95	H/L Speci	VOL		0.62	4TH TSP	+36.34		
		10/95	H/L Speci	VOL		0.76	4TH TSP	+9.77		
2	91	10/95	Bobbin	ODI	9	1.16	7TH TSP	+26.29		
		10/95	Bobbin	ODI	5	1.13	10TH TSP	+26.18		
2	95	10/95	Bobbin	NQI		1.19	18TH TSP	+2.70	to	+21.08
		10/95	C/L Speci	VOL		1.73	18TH TSP	+2.70	to	+21.08
2	102	10/95	Bobbin	ODI	17	0.51	5TH TSP	+2.51		
2	113	10/95	Bobbin	ADI		2.67	16TH TSP	+32.68		
		10/95	C/L Speci	VOL		0.78	16TH TSP	+32.86		
3	2	10/95	Bobbin	NQI		0.23	10TH TSP	+38.06		
3	4	10/95	Bobbin	ODI	22	0.35	7TH TSP	+37.68		
3	6	10/95	Bobbin	ODI	11	0.68	10TH TSP	+18.25		
3	8	10/95	Bobbin	NQI		0.31	12TH TSP	+33.01		
3	9	10/95	Bobbin	ODI	7	2.85	10TH TSP	+38.96		
3	13	10/95	Bobbin	ODI	16	2.24	17TH TSP	+13.52		
3	29	10/95	Bobbin	NQI		0.98	12TH TSP	+36.00		
		10/95	Bobbin	ODI	5	0.91	11TH TSP	+35.50		
		10/95	Bobbin	ODI	11	0.54	16TH TSP	+9.54		
		10/95	Bobbin	ODI	20	0.36	10TH TSP	+15.12		
		10/95	C/L Speci	VOL		1.74	11TH TSP	-6.96		
3	37	10/95	Bobbin	ODI	15	0.80	7TH TSP	+27.93		
3	53	10/95	Bobbin	ODI	4	0.60	3RD TSP	+9.08		
3	58	10/95	Bobbin	ADI		1.78	16TH TSP	+13.09		
3	64	10/95	Bobbin	ADI		3.35	13TH TSP	+18.55		
		10/95	C/L Speci	VOL		1.44	13TH TSP	+17.66		
3	70	10/95	Bobbin	ADI		0.80	11TH TSP	+26.61		
		10/95	Bobbin	ODI	18	0.72	11TH TSP	+33.79		
		10/95	C/L Speci	VOL		0.47	10TH TSP	-19.24		
		10/95	C/L Speci	VOL		0.59	10TH TSP	-16.62		
		10/95	C/L Speci	VOL		0.69	10TH TSP	-9.62		
3	76	10/95	Bobbin	ADI		0.82	10TH TSP	+17.42		
		10/95	Bobbin	ADI		1.11	12TH TSP	+5.61		
		10/95	Bobbin	ADI		2.03	10TH TSP	+18.52		
		10/95	Bobbin	ODI	17	1.42	7TH TSP	+16.29		
		10/95	C/L Speci	VOL		0.62	12TH TSP	+5.22		
3	89	10/95	Bobbin	ADI		3.62	10TH TSP	+42.62		
		10/95	C/L Speci	VOL		2.10	10TH TSP	+42.73		
3	101	10/95	Bobbin	ODI	10	0.98	12TH TSP	+14.36		
3	109	10/95	Bobbin	ADI		1.23	12TH TSP	+16.84		
		10/95	Bobbin	ADI		2.50	12TH TSP	+18.15		
		10/95	C/L Speci	VOL		0.46	12TH TSP	+17.52		
		10/95	C/L Speci	VOL		0.53	12TH TSP	+19.03		
3	112	10/95	Bobbin	ODI	17	0.93	18TH TSP	+13.90		
4	1	10/95	Bobbin	NQI		0.17	7TH TSP	+36.88		
		10/95	Bobbin	ODI	4	0.48	7TH TSP	+37.90		
		10/95	Bobbin	ODI	8	0.96	8TH TSP	-1.46		
		10/95	Bobbin	ODI	2	0.57	10TH TSP	+29.31		
		10/95	H/L Speci	VOL		0.48	8TH TSP	-8.54		
		10/95	H/L Speci	VOL		0.28	8TH TSP	-1.59	to	-0.84
4	3	10/95	Bobbin	NQI		0.41	7TH TSP	+42.81		
		10/95	Bobbin	NQI		0.36	10TH TSP	+38.82		
		10/95	C/L Speci	VOL		1.07	9TH TSP	-6.47		
4	4	10/95	Bobbin	ODI	5	0.17	7TH TSP	+20.55		
		10/95	Bobbin	ODI	20	0.20	7TH TSP	+37.48		
4	5	10/95	Bobbin	ODI	26	0.55	7TH TSP	+41.69		
4	12	10/95	Bobbin	ODI	28	0.39	7TH TSP	+27.22		
4	31	10/95	Bobbin	ODI	36	0.59	18TH TSP	+5.56		
4	34	10/95	Bobbin	ODI	10	0.70	12TH TSP	+19.33		
4	38	10/95	Bobbin	ODI	16	0.78	17TH TSP	+4.33		

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	TW	VOLTS	LOCATION
4	51	10/95	Bobbin	NQI		0.69	16TH TSP	+5.49
		10/95	C/L Speci	VOL		0.92	16TH TSP	+5.44
4	53	10/95	Bobbin	ODI	20	1.83	3RD TSP	+12.78
		10/95	H/L Speci	VOL		1.02	3RD TSP	+12.61
4	54	10/95	Bobbin	ADI		2.12	5TH TSP	+15.81
		10/95	Bobbin	NQI		1.27	5TH TSP	+33.72
4	65	10/95	Bobbin	ADI		1.91	15TH TSP	+8.71 to +13.33
		10/95	C/L Speci	VOL		1.00	15TH TSP	+11.23
		10/95	C/L Speci	VOL		1.06	15TH TSP	+9.91
		10/95	C/L Speci	VOL		1.26	15TH TSP	+12.62
4	67	10/95	Bobbin	ADI		3.23	2ND TSP	+17.46
		10/95	H/L Speci	VOL		0.26	2ND TSP	+16.65
4	68	10/95	Bobbin	ODI	7	2.50	3RD TSP	+10.29
		10/95	Bobbin	ODI	10	1.14	2ND TSP	+3.33
4	90	10/95	Bobbin	ODI	8	0.54	1ST TSP	+2.28
4	93	10/95	Bobbin	ODI	7	2.76	10TH TSP	+34.13
4	95	10/95	Bobbin	NQI		0.72	1ST TSP	+19.49 to +26.13
4	104	10/95	Bobbin	ODI	7	1.50	1ST TSP	+21.79
4	109	10/95	Bobbin	ODI	6	0.68	5TH TSP	+17.92
4	113	10/95	Bobbin	ADI		2.22	14TH TSP	+2.63
		10/95	C/L Speci	VOL		0.86	14TH TSP	+2.75
5	2	10/95	Bobbin	ODI	18	0.78	10TH TSP	+42.10
5	10	10/95	Bobbin	NQI		0.87	1ST TSP	+23.06
		10/95	Bobbin	ODI	7	0.47	TTS-CL	+5.36
		10/95	H/L Speci	VOL		1.04	2ND TSP	-5.26
5	11	10/95	Bobbin	ODI	23	0.20	5TH TSP	+17.39
		10/95	Bobbin	ODI	26	0.80	6TH TSP	+24.37
		10/95	H/L Speci	VOL		0.73	6TH TSP	+23.89
5	19	10/95	Bobbin	NQI		1.94	8TH TSP	+1.48
5	34	10/95	Bobbin	ADI		1.63	13TH TSP	+5.24 to +10.60
		10/95	C/L Speci	VOL		1.27	13TH TSP	+5.37 to +10.75
5	35	10/95	Bobbin	NQI		0.12	7TH TSP	+10.78
		10/95	Bobbin	NQI		0.26	4TH TSP	+34.97
		10/95	Bobbin	NQI		0.37	4TH TSP	+12.33
		10/95	Bobbin	ADI		3.64	17TH TSP	+6.50
		10/95	H/L Speci	VOL		0.86	4TH TSP	+12.33
		10/95	C/L Speci	VOL		1.21	17TH TSP	+6.23
5	42	10/95	Bobbin	ADI		1.85	13TH TSP	+31.71
		10/95	Bobbin	ADI		3.35	17TH TSP	+12.25
		10/95	C/L Speci	VOL		0.85	12TH TSP	-11.14
		10/95	C/L Speci	VOL		0.94	16TH TSP	-7.05
5	65	10/95	Bobbin	ADI		0.85	11TH TSP	+18.14
		10/95	Bobbin	ADI		1.34	13TH TSP	+39.26
		10/95	C/L Speci	VOL		0.52	11TH TSP	+18.02
		10/95	C/L Speci	VOL		0.61	12TH TSP	-3.85
5	76	10/95	Bobbin	ADI		4.44	12TH TSP	+23.51
		10/95	C/L Speci	VOL		1.22	12TH TSP	+24.04
5	81	10/95	Bobbin	ADI		3.00	11TH TSP	+25.20
		10/95	C/L Speci	VOL		1.77	11TH TSP	+25.07
5	82	10/95	Bobbin	ADI		2.09	16TH TSP	+4.58
		10/95	Bobbin	ADI		2.12	16TH TSP	+7.16
		10/95	C/L Speci	VOL		1.17	16TH TSP	+4.08
		10/95	C/L Speci	VOL		1.18	16TH TSP	+6.77
5	88	10/95	Bobbin	NQI		0.67	5TH TSP	+20.41
		10/95	H/L Speci	VOL		0.32	5TH TSP	+20.13
5	105	10/95	Bobbin	ADI		0.66	10TH TSP	+41.99
		10/95	Bobbin	ADI		0.74	10TH TSP	+15.69
		10/95	Bobbin	ADI		1.83	18TH TSP	+13.13
		10/95	Bobbin	ODI	15	0.85	3RD TSP	+2.14
		10/95	C/L Speci	VOL		1.31	10TH TSP	+42.34
		10/95	C/L Speci	VOL		1.37	18TH TSP	+12.97
5	107	10/95	Bobbin	ODI	3	1.09	3RD TSP	+16.19
6	1	10/95	Bobbin	NQI		0.31	10TH TSP	+24.72
		10/95	C/L Speci	VOL		0.40	9TH TSP	-20.08
6	3	10/95	Bobbin	NQI		2.02	10TH TSP	+39.26

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	Bobbin	ODI	25	0.45	7TH TSP	+29.62
6	5	10/95	Bobbin	NQI		0.58	7TH TSP	+27.79
		10/95	Bobbin	ODI	24	1.05	7TH TSP	+35.39
6	6	10/95	Bobbin	ODI	17	0.29	7TH TSP	+25.35
6	10	10/95	Bobbin	ODI	1	0.35	7TH TSP	+25.36
		10/95	Bobbin	ODI	11	0.55	7TH TSP	+27.49
6	11	10/95	Bobbin	ODI	16	0.54	10TH TSP	+31.19
6	18	10/95	Bobbin	NQI		0.40	10TH TSP	+27.21
		10/95	Bobbin	ODI	4	1.10	7TH TSP	+21.95
		10/95	Bobbin	ODI	8	0.58	7TH TSP	+23.76
		10/95	Bobbin	ODI	9	0.90	7TH TSP	+26.35
		10/95	Bobbin	ODI	5	0.58	10TH TSP	+22.86
		10/95	Bobbin	ODI	6	0.48	10TH TSP	+24.84
		10/95	Bobbin	ODI	9	0.39	10TH TSP	+25.45
		10/95	Bobbin	ODI	11	0.81	10TH TSP	+25.09
		10/95	Bobbin	ODI	13	0.41	10TH TSP	+28.73
6	19	10/95	Bobbin	NQI		0.62	10TH TSP	+33.44
		10/95	C/L Speci	VOL		0.70	9TH TSP	-13.76
6	27	10/95	Bobbin	ODI	31	0.30	7TH TSP	+30.81
6	42	10/95	Bobbin	ADI		3.60	3RD TSP	+20.08
		10/95	H/L Speci	VOL		0.98	3RD TSP	+19.88
6	44	10/95	Bobbin	ODI	8	0.91	2ND TSP	+4.01
6	47	10/95	Bobbin	ODI	6	0.80	15TH TSP	+7.92
		10/95	Bobbin	ODI	8	0.67	15TH TSP	+1.73
6	53	10/95	Bobbin	ODI	5	0.58	16TH TSP	+11.88
6	59	10/95	Bobbin	NQI		1.19	2ND TSP	+33.32
		10/95	H/L Speci	VOL		1.17	3RD TSP	-2.95
6	66	10/95	Bobbin	ADI		2.24	3RD TSP	+7.89
		10/95	H/L Speci	VOL		0.13	3RD TSP	+8.62
6	68	10/95	Bobbin	ODI	13	0.81	4TH TSP	+15.13
		10/95	Bobbin	ODI	4	0.31	11TH TSP	+4.83
6	77	10/95	Bobbin	ADI		2.55	18TH TSP	+9.63
		10/95	C/L Speci	VOL		2.71	18TH TSP	+8.69
6	81	10/95	Bobbin	NQI		0.79	12TH TSP	+6.07
		10/95	C/L Speci	VOL		0.25	12TH TSP	+6.14
6	82	10/95	Bobbin	ADI		1.83	18TH TSP	+8.75
		10/95	Bobbin	ODI	4	0.60	3RD TSP	+21.96
		10/95	Bobbin	ODI	11	0.40	1ST TSP	-0.85
		10/95	H/L Speci	VOL		0.20	1ST TSP	-0.87
		10/95	C/L Speci	VOL		1.64	18TH TSP	+7.78
6	91	10/95	Bobbin	ADI		2.67	4TH TSP	+10.23
		10/95	Bobbin	ADI		3.67	2ND TSP	+23.23
6	100	10/95	Bobbin	ODI	10	2.00	3RD TSP	+5.33
		10/95	Bobbin	ODI	33	1.50	3RD TSP	+7.59
		10/95	H/L Speci	VOL		0.28	3RD TSP	+5.33
		10/95	H/L Speci	VOL		0.30	3RD TSP	+7.71
6	113	10/95	Bobbin	NQI		2.38	4TH TSP	+32.43
		10/95	H/L Speci	VOL		0.42	5TH TSP	-9.46
7	2	10/95	Bobbin	ODI	4	1.22	10TH TSP	+29.30
7	3	10/95	Bobbin	NQI		1.31	7TH TSP	+30.60
		10/95	Bobbin	NQI		0.77	10TH TSP	+28.19
7	8	10/95	Bobbin	ODI	9	0.96	7TH TSP	+33.11
		10/95	Bobbin	ODI	8	1.58	15TH TSP	+8.30
7	9	10/95	Bobbin	ODI	14	0.45	10TH TSP	+36.20
		10/95	Bobbin	ODI	23	0.45	10TH TSP	+24.72
7	11	10/95	Bobbin	ODI	9	0.59	7TH TSP	+16.89
7	12	10/95	Bobbin	ODI	17	0.82	10TH TSP	+34.36
7	13	10/95	Bobbin	ODI	6	0.61	7TH TSP	+35.33
		10/95	Bobbin	ODI	18	0.30	7TH TSP	+33.73
		10/95	Bobbin	ODI	6	0.38	10TH TSP	+33.23
7	14	10/95	Bobbin	ODI	14	1.37	15TH TSP	+1.59
		10/95	Bobbin	ODI	19	2.11	12TH TSP	+4.32
7	26	10/95	Bobbin	NQI		0.96	14TH TSP	+10.04
		10/95	Bobbin	ODI	25	0.44	7TH TSP	+13.40
		10/95	Bobbin	ODI	7	0.58	13TH TSP	+17.88

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
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 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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		10/95	Bobbin	ODI	22	0.39	10TH TSP	+13.15		
		10/95	C/L Speci	VOL		1.15	13TH TSP	-8.07		
7	36	10/95	Bobbin	ODI	6	1.21	5TH TSP	+27.85		
		10/95	Bobbin	ODI	14	1.46	4TH TSP	+8.64		
		10/95	Bobbin	ODI	14	1.46	4TH TSP	+8.79		
7	44	10/95	Bobbin	NQI		0.35	10TH TSP	+10.76		
		10/95	C/L Speci	VOL		2.21	10TH TSP	+9.34		
7	47	10/95	Bobbin	ODI	6	0.50	7TH TSP	+16.40		
		10/95	Bobbin	ODI	10	0.27	10TH TSP	+8.78		
7	58	10/95	Bobbin	NQI		0.81	1ST TSP	+6.97		
		10/95	Bobbin	NQI		0.81	4TH TSP	+40.66		
		10/95	Bobbin	NQI		0.94	4TH TSP	+33.29		
		10/95	H/L Speci	VOL		0.52	4TH TSP	+33.09		
		10/95	H/L Speci	VOL		0.75	1ST TSP	+6.66		
		10/95	H/L Speci	VOL		1.01	4TH TSP	+40.78		
7	69	10/95	Bobbin	NQI		0.40	2ND TSP	+5.16		
		10/95	Bobbin	ODI	13	2.61	7TH TSP	+28.53		
		10/95	Bobbin	ODI	25	0.31	17TH TSP	+10.43		
7	71	10/95	Bobbin	ADI		6.24	7TH TSP	+9.65	to	+36.65
		10/95	H/L Speci	VOL		1.27	7TH TSP	+9.65	to	+36.65
7	84	10/95	Bobbin	ADI		1.18	10TH TSP	+18.42		
		10/95	Bobbin	ADI		1.81	10TH TSP	+11.41		
7	87	10/95	Bobbin	ODI	8	1.42	7TH TSP	+23.11		
7	93	10/95	Bobbin	ADI		1.24	12TH TSP	+21.26		
		10/95	C/L Speci	VOL		0.92	12TH TSP	+21.78		
7	98	10/95	Bobbin	NQI		0.43	2ND TSP	+14.08		
7	99	10/95	Bobbin	ADI		3.69	17TH TSP	-0.78		
		10/95	Bobbin	ODI	2	2.83	11TH TSP	+35.11		
		10/95	C/L Speci	VOL		1.26	17TH TSP	-1.58		
7	112	10/95	Bobbin	ADI		2.72	11TH TSP	+31.99		
		10/95	C/L Speci	VOL		1.33	10TH TSP	-11.64		
8	2	10/95	Bobbin	ODI	4	0.51	7TH TSP	+28.71		
8	3	10/95	Bobbin	ODI	35	0.80	7TH TSP	+31.45		
8	5	10/95	Bobbin	NQI		2.59	8TH TSP	+1.09		
		10/95	Bobbin	ODI	16	1.24	7TH TSP	+35.43		
		10/95	Bobbin	ODI	14	1.15	10TH TSP	+41.23		
8	6	10/95	Bobbin	ODI	7	1.66	7TH TSP	+17.09		
		10/95	Bobbin	ODI	21	0.71	7TH TSP	+27.09		
		10/95	Bobbin	ODI	26	0.28	10TH TSP	+37.40		
8	7	10/95	Bobbin	ODI	1	3.41	7TH TSP	+23.94		
8	8	10/95	Bobbin	ODI	8	0.93	7TH TSP	+26.96		
		10/95	Bobbin	ODI	21	0.66	7TH TSP	+20.12		
8	9	10/95	Bobbin	ODI	13	0.45	7TH TSP	+33.27		
		10/95	Bobbin	ODI	9	0.44	10TH TSP	+36.43		
8	10	10/95	Bobbin	ODI	16	0.43	7TH TSP	+30.51		
		10/95	Bobbin	ODI	25	0.31	7TH TSP	+18.50		
8	12	10/95	Bobbin	NQI		1.01	7TH TSP	+26.13		
		10/95	Bobbin	NQI		1.18	10TH TSP	+27.93		
8	13	10/95	Bobbin	ODI	7	0.69	7TH TSP	+29.71		
		10/95	Bobbin	ODI	3	0.60	10TH TSP	+27.69		
8	19	10/95	Bobbin	NQI		0.85	5TH TSP	+16.42		
		10/95	H/L Speci	VOL		1.86	5TH TSP	+17.01		
8	21	10/95	Bobbin	ODI	13	0.93	2ND TSP	+11.32		
		10/95	Bobbin	ODI	15	1.55	2ND TSP	+7.57		
		10/95	Bobbin	ODI	27	0.59	16TH TSP	+7.53		
		10/95	H/L Speci	VOL		0.38	2ND TSP	+7.43		
8	28	10/95	Bobbin	NQI		1.10	9TH TSP	+1.20		
8	56	10/95	Bobbin	ODI	1	0.88	2ND TSP	+22.45		
8	59	10/95	Bobbin	ODI	17	0.39	10TH TSP	+24.22		
8	60	10/95	Bobbin	ODI	13	0.85	7TH TSP	+2.41		
		10/95	Bobbin	NQI		0.77	6TH TSP	+38.61	to	+40.55
		10/95	Bobbin	NQI		1.10	2ND TSP	+8.17	to	+21.96
8	66	10/95	Bobbin	ODI	5	1.20	15TH TSP	+12.50		
8	71	10/95	Bobbin	ADI		1.67	18TH TSP	+3.00		
		10/95	Bobbin	ADI		2.72	18TH TSP	+12.93		

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	C/L Speci	VOL		1.33	18TH TSP	+2.56
		10/95	C/L Speci	VOL		3.42	18TH TSP	+10.33
8	84	10/95	Bobbin	ADI		1.35	19TH TSP	+2.89
		10/95	Bobbin	ODI	13	0.93	18TH TSP	+14.32
		10/95	Bobbin	ODI	15	0.73	18TH TSP	+4.99
		10/95	Bobbin	ODI	22	1.10	10TH TSP	+6.86
		10/95	C/L Speci	VOL		0.46	19TH TSP	+2.50
8	88	10/95	Bobbin	ADI		5.29	1ST TSP	+27.47
		10/95	H/L Speci	VOL		0.81	2ND TSP	-1.59
8	92	10/95	Bobbin	NQI		1.37	9TH TSP	+1.43
		10/95	Bobbin	ODI	24	0.47	2ND TSP	+18.60
8	96	10/95	Bobbin	ODI	13	2.14	10TH TSP	+27.34
8	104	10/95	Bobbin	ADI		1.29	16TH TSP	+5.77
		10/95	C/L Speci	VOL		1.48	16TH TSP	+5.54
8	105	10/95	Bobbin	ODI	19	1.67	11TH TSP	+5.05
8	109	10/95	Bobbin	ODI	26	1.52	11TH TSP	+21.58
8	111	10/95	Bobbin	ODI	22	0.88	2ND TSP	+15.82
		10/95	Bobbin	ODI	22	2.02	7TH TSP	+16.36
9	3	10/95	Bobbin	ODI	33	0.26	7TH TSP	+24.00
9	5	10/95	Bobbin	ODI	11	0.89	10TH TSP	+23.78
9	10	10/95	Bobbin	ODI	10	0.98	2ND TSP	+20.22
9	12	10/95	Bobbin	ODI	15	0.49	10TH TSP	+22.96
9	20	10/95	Bobbin	NQI		0.44	5TH TSP	+37.49
9	34	10/95	Bobbin	ODI	28	0.78	12TH TSP	+34.17
		10/95	Bobbin	ODI	35	0.63	12TH TSP	+32.91
9	47	10/95	Bobbin	ODI	20	0.80	2ND TSP	+9.91
9	49	10/95	Bobbin	NQI		0.65	3RD TSP	+2.23 to +10.95
9	56	10/95	Bobbin	NQI		0.51	13TH TSP	+18.45
		10/95	C/L Speci	VOL		0.39	13TH TSP	+18.61
9	61	10/95	Bobbin	ODI	11	0.45	17TH TSP	+12.04
		10/95	Bobbin	ODI	16	0.52	17TH TSP	+13.57
9	62	10/95	Bobbin	NQI		1.17	1ST TSP	+21.68 to +24.14
9	68	10/95	Bobbin	ODI	2	1.04	6TH TSP	+21.54
9	71	10/95	Bobbin	ODI	16	1.26	2ND TSP	+30.89
9	72	10/95	Bobbin	ODI	19	0.45	16TH TSP	+12.02
9	75	10/95	Bobbin	ODI	15	1.63	2ND TSP	+11.85
		10/95	Bobbin	ODI	16	1.73	1ST TSP	+13.12
9	91	10/95	Bobbin	ODI	18	0.83	13TH TSP	+28.44
9	92	10/95	Bobbin	ODI	15	0.94	17TH TSP	+7.72
9	93	10/95	Bobbin	ADI		3.01	7TH TSP	+28.69
		10/95	H/L Speci	VOL		0.63	7TH TSP	+30.54
10	3	10/95	Bobbin	NQI		0.35	7TH TSP	+28.05
		10/95	Bobbin	ODI	24	0.63	7TH TSP	+21.10
		10/95	Bobbin	ODI	3	1.04	10TH TSP	+37.62
10	8	10/95	Bobbin	NQI		0.50	7TH TSP	+38.48
10	24	10/95	Bobbin	ADI		2.05	6TH TSP	+11.05
		10/95	H/L Speci	VOL		0.59	6TH TSP	+12.37
10	26	10/95	Bobbin	ODI	16	0.38	7TH TSP	+10.52
		10/95	Bobbin	ODI	27	0.61	7TH TSP	+24.88
10	31	10/95	Bobbin	NQI		0.24	10TH TSP	+36.52
		10/95	Bobbin	ODI	26	0.44	7TH TSP	+35.46
		10/95	Bobbin	ODI	11	0.74	10TH TSP	+34.65
		10/95	Bobbin	ODI	18	0.74	10TH TSP	+23.76
		10/95	Bobbin	ODI	22	0.52	10TH TSP	+15.14
		10/95	C/L Speci	VOL		0.90	9TH TSP	-9.36
10	33	10/95	Bobbin	ODI	2	0.94	13TH TSP	+8.98
		10/95	Bobbin	ODI	6	0.51	10TH TSP	+37.35
		10/95	Bobbin	ODI	17	1.03	14TH TSP	+7.45
		10/95	Bobbin	ODI	19	0.62	19TH TSP	+7.12
		10/95	Bobbin	ODI	30	0.29	10TH TSP	+36.22
10	35	10/95	Bobbin	ODI	2	1.31	18TH TSP	+15.56
10	38	10/95	Bobbin	ODI	20	0.75	7TH TSP	+19.59
10	51	10/95	Bobbin	ODI	29	0.44	10TH TSP	+31.98
10	64	10/95	Bobbin	NQI		0.31	1ST TSP	+9.88
		10/95	H/L Speci	VOL		0.59	1ST TSP	+9.88

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

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		1.11	1ST TSP	-4.30
10	70	10/95	Bobbin	NQI		3.30	3RD TSP	+23.14
		10/95	H/L Speci	VOL		1.51	4TH TSP	-13.73
10	75	10/95	Bobbin	ODI	6	0.72	3RD TSP	+9.97
		10/95	H/L Speci	VOL		0.36	3RD TSP	+10.81
10	76	10/95	Bobbin	ADI		0.81	12TH TSP	-1.13
		10/95	C/L Speci	VOL		2.41	12TH TSP	-1.35
10	88	10/95	Bobbin	ADI		1.23	3RD TSP	+23.71
		10/95	H/L Speci	VOL		0.98	3RD TSP	+27.53
10	91	10/95	Bobbin	ADI		3.59	6TH TSP	+32.27
		10/95	H/L Speci	VOL		1.44	7TH TSP	-10.38
10	106	10/95	Bobbin	ODI	12	1.93	14TH TSP	+13.47
10	109	10/95	Bobbin	ODI	12	0.55	10TH TSP	+22.99
10	112	10/95	Bobbin	ADI		0.82	15TH TSP	+14.30
		10/95	C/L Speci	VOL		0.46	15TH TSP	+14.77
11	2	10/95	Bobbin	ADI		1.05	7TH TSP	+39.15
		10/95	Bobbin	ODI	19	0.86	10TH TSP	+38.54
11	3	10/95	Bobbin	ADI		2.46	10TH TSP	+32.56
		10/95	C/L Speci	VOL		1.75	9TH TSP	-14.63
11	4	10/95	Bobbin	ADI		0.94	7TH TSP	+28.90
		10/95	Bobbin	ODI	25	0.56	7TH TSP	+27.94
11	9	10/95	Bobbin	ODI	9	0.73	7TH TSP	+35.26
11	10	10/95	Bobbin	NQI		0.72	10TH TSP	+34.83
		10/95	C/L Speci	VOL		3.10	9TH TSP	-10.75
11	37	10/95	Bobbin	NQI		0.54	10TH TSP	+5.64
		10/95	C/L Speci	VOL		1.91	10TH TSP	+5.32
		10/95	C/L Speci	VOL		2.24	10TH TSP	+9.44
11	40	10/95	Bobbin	ADI		2.75	3RD TSP	+9.13
		10/95	Bobbin	ODI	3	0.79	10TH TSP	+38.43
		10/95	Bobbin	ODI	10	0.84	10TH TSP	+38.52
		10/95	H/L Speci	VOL		2.10	3RD TSP	+9.44
11	45	10/95	Bobbin	ODI	9	0.94	2ND TSP	+32.71
11	49	10/95	Bobbin	NQI		1.18	11TH TSP	+39.55
		10/95	C/L Speci	VOL		1.24	10TH TSP	-3.31
11	61	10/95	Bobbin	ODI	15	1.11	2ND TSP	+5.20
11	73	10/95	Bobbin	ODI	16	1.04	12TH TSP	+5.86
		10/95	C/L Speci	VOL ^a		0.63	12TH TSP	+5.40
11	82	10/95	Bobbin	ODI	3	1.21	4TH TSP	+37.33
		10/95	Bobbin	ODI	3	0.39	13TH TSP	+26.75
		10/95	Bobbin	ODI	21	0.35	10TH TSP	+15.21
		10/95	C/L Speci	VOL		0.81	13TH TSP	+26.69
		10/95	C/L Speci	VOL		1.17	10TH TSP	+15.05
11	83	10/95	Bobbin	NQI		0.15	12TH TSP	+15.80
11	88	10/95	Bobbin	ODI	12	1.27	3RD TSP	+1.20
11	89	10/95	Bobbin	ODI	21	1.40	15TH TSP	+2.22
11	90	10/95	Bobbin	ADI		1.30	14TH TSP	+9.18
		10/95	Bobbin	ODI	10	1.01	14TH TSP	+15.34
		10/95	Bobbin	ODI	14	0.69	14TH TSP	+4.00
		10/95	Bobbin	ODI	14	0.91	13TH TSP	+7.65
		10/95	Bobbin	ODI	26	0.46	14TH TSP	+12.97
		10/95	C/L Speci	VOL		0.65	14TH TSP	+9.02
11	93	10/95	Bobbin	ADI		1.74	7TH TSP	+26.57
		10/95	H/L Speci	VOL		0.55	7TH TSP	+28.07
11	95	10/95	Bobbin	ADI		0.88	12TH TSP	+14.17
		10/95	C/L Speci	VOL		0.73	12TH TSP	+14.56
12	2	10/95	Bobbin	ADI		0.66	7TH TSP	+37.38
		10/95	Bobbin	ODI	2	1.17	7TH TSP	+36.63
12	3	10/95	Bobbin	NQI		0.33	10TH TSP	+30.23
		10/95	C/L Speci	VOL		1.38	9TH TSP	-16.04
12	13	10/95	Bobbin	ODI	33	1.50	12TH TSP	-1.01
12	33	10/95	Bobbin	ODI	6	0.90	18TH TSP	+11.80
		10/95	Bobbin	ODI	12	0.55	10TH TSP	+40.99
12	80	10/95	Bobbin	ODI	8	1.16	7TH TSP	+38.19
		10/95	Bobbin	ODI	19	0.87	15TH TSP	+9.03
12	91	10/95	Bobbin	NQI		0.63	2ND TSP	+9.79

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		0.93	2ND TSP	+10.56
12	109	10/95	Bobbin	ODI	7	0.72	7TH TSP	+19.20
		10/95	Bobbin	ODI	13	1.18	6TH TSP	+39.04
13	10	10/95	Bobbin	ODI	14	0.99	12TH TSP	+26.23
13	20	10/95	Bobbin	ODI	38	0.61	9TH TSP	-1.44
		10/95	C/L Speci	VOL		0.98	9TH TSP	-1.62
		10/95	C/L Speci	VOL		1.60	9TH TSP	+0.79
13	24	10/95	Bobbin	ODI	10	0.80	10TH TSP	+39.75
13	53	10/95	H/L Tubes	VOL		1.27	TTS-HL	+0.00
13	69	10/95	Bobbin	ADI		1.08	13TH TSP	+2.39
		10/95	Bobbin	ODI	22	0.22	13TH TSP	+11.39
		10/95	Bobbin	ODI	24	0.86	13TH TSP	+18.16
		10/95	C/L Speci	VOL		0.52	13TH TSP	+2.15
		10/95	C/L Speci	VOL		0.56	13TH TSP	+11.31
		10/95	C/L Speci	VOL		0.86	13TH TSP	+0.79
13	85	10/95	Bobbin	NQI		0.34	17TH TSP	+10.45
		10/95	C/L Speci	VOL		1.19	17TH TSP	+10.70
13	88	10/95	Bobbin	ODI	30	1.23	16TH TSP	+11.65
13	90	10/95	Bobbin	NQI		0.90	13TH TSP	+7.12
		10/95	C/L Speci	VOL		0.92	13TH TSP	+7.52
13	92	10/95	Bobbin	ADI		3.84	13TH TSP	+26.24
		10/95	Bobbin	ADI		4.20	13TH TSP	+38.57
		10/95	Bobbin	ADI		4.25	12TH TSP	+10.76
		10/95	Bobbin	ADI		5.61	13TH TSP	+3.43
		10/95	C/L Speci	VOL		0.71	13TH TSP	+38.19
		10/95	C/L Speci	VOL		0.83	13TH TSP	+27.21
		10/95	C/L Speci	VOL		0.85	13TH TSP	+3.07
13	101	10/95	Bobbin	ODI	10	0.65	1ST TSP	+9.88
		10/95	H/L Speci	VOL		0.18	1ST TSP	+12.05
		10/95	H/L Speci	VOL		0.26	1ST TSP	+9.53
13	109	10/95	Bobbin	ODI	10	1.40	17TH TSP	+6.73
14	6	10/95	Bobbin	ADI		0.67	5TH TSP	-1.43
		10/95	Bobbin	ODI	5	1.45	4TH TSP	+39.83
14	37	10/95	Bobbin	ODI	21	0.64	15TH TSP	+12.82
14	39	10/95	Bobbin	ODI	19	0.28	7TH TSP	+33.70
		10/95	Bobbin	ODI	31	0.21	7TH TSP	+28.63
14	63	10/95	Bobbin	ODI	5	1.20	13TH TSP	+4.75
14	65	10/95	Bobbin	ADI		1.42	15TH TSP	+10.74
		10/95	C/L Speci	VOL		0.34	15TH TSP	+10.94
14	69	10/95	Bobbin	ADI		1.50	15TH TSP	+6.56
		10/95	C/L Speci	VOL		0.52	15TH TSP	+6.52
14	70	10/95	Bobbin	ODI	9	0.94	4TH TSP	+12.72
14	77	10/95	Bobbin	ADI		2.70	4TH TSP	+34.65
		10/95	H/L Speci	VOL		1.03	5TH TSP	-8.33
14	82	10/95	Bobbin	ODI	11	0.90	4TH TSP	+41.32
		10/95	H/L Speci	VOL		0.62	5TH TSP	-1.74
14	91	10/95	Bobbin	ODI	9	2.28	10TH TSP	+40.65
15	5	10/95	Bobbin	NQI		0.43	10TH TSP	+23.31
		10/95	Bobbin	NQI		1.17	10TH TSP	+23.93
15	6	10/95	Bobbin	ODI	11	0.65	10TH TSP	+22.27
15	8	10/95	Bobbin	ODI	10	0.60	10TH TSP	+27.37
15	13	10/95	Bobbin	NQI		1.46	12TH TSP	+26.28
		10/95	C/L Speci	VOL		0.88	12TH TSP	+28.12
15	29	10/95	Bobbin	ADI		3.03	12TH TSP	+12.95
		10/95	C/L Speci	VOL		1.01	12TH TSP	+13.73
		10/95	C/L Speci	VOL		1.09	12TH TSP	+12.86
15	36	10/95	Bobbin	ADI		0.56	10TH TSP	+21.35
		10/95	Bobbin	ADI		1.18	10TH TSP	+26.75
		10/95	C/L Speci	VOL		1.77	9TH TSP	-25.29 to -13.56
15	45	10/95	Bobbin	NQI		1.31	4TH TSP	+39.64
15	49	10/95	Bobbin	WAR	28	1.44	1AVB	+0.00
15	56	10/95	Bobbin	ODI	13	1.40	11TH TSP	+30.35
		10/95	C/L Speci	VOL		2.21	10TH TSP	-12.97
15	72	10/95	Bobbin	ODI	4	0.43	6TH TSP	+22.51
15	79	10/95	Bobbin	ODI	19	0.87	11TH TSP	-1.26

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INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	C/L Speci	VOL		0.95	11TH TSP	-1.93
15	84	10/95	Bobbin	ODI	10	0.86	2ND TSP	+32.57
15	87	10/95	Bobbin	ODI	25	0.67	3RD TSP	+25.48
15	90	10/95	Bobbin	ODI	8	0.65	15TH TSP	+13.20
15	91	10/95	Bobbin	ODI	4	0.89	3RD TSP	+26.07
15	98	10/95	Bobbin	ADI		1.66	17TH TSP	+9.54
		10/95	C/L Speci	VOL		0.93	17TH TSP	+9.24
16	4	10/95	Bobbin	NQI		0.35	5TH TSP	+20.73
16	13	10/95	Bobbin	ODI	9	1.52	1ST TSP	+15.01
16	19	10/95	Bobbin	ODI	9	1.29	1ST TSP	+8.38
		10/95	Bobbin	ODI	6	0.89	19TH TSP	+7.98
		10/95	C/L Speci	VOL		0.74	18TH TSP	-2.12
16	23	10/95	Bobbin	ADI		1.12	10TH TSP	+34.72
		10/95	C/L Speci	VOL		0.47	9TH TSP	-11.65
		10/95	C/L Speci	VOL		0.74	9TH TSP	-10.10
		10/95	C/L Speci	VOL		1.28	9TH TSP	-1.00
16	32	10/95	H/L Tubes	VOL		0.72	TTS-HL	-2.78
16	36	10/95	Bobbin	ODI	15	1.34	11TH TSP	+28.93
16	53	10/95	Bobbin	NQI		0.70	5TH TSP	+19.16
		10/95	Bobbin	ODI	7	1.19	6TH TSP	+13.51
		10/95	Bobbin	ODI	10	1.20	3RD TSP	+33.53
		10/95	Bobbin	ODI	36	0.96	7TH TSP	+26.18
		10/95	Bobbin	ODI	10	3.38	14TH TSP	+9.46
		10/95	Bobbin	ODI	31	0.62	10TH TSP	+20.60
		10/95	H/L Speci	VOL		0.41	5TH TSP	+21.81
16	69	10/95	Bobbin	ODI	5	0.33	2ND TSP	+6.07
16	72	10/95	Bobbin	NQI		0.40	11TH TSP	+37.51
		10/95	Bobbin	NQI		0.49	11TH TSP	+37.19
16	88	10/95	Bobbin	ADI	10.64	11TH TSP	+15.18	
		10/95	C/L Speci	VOL		3.61	11TH TSP	+15.72
16	100	10/95	Bobbin	ADI		3.37	11TH TSP	+34.35
		10/95	C/L Speci	VOL		1.45	10TH TSP	-8.86
16	103	10/95	Bobbin	NQI		0.73	2ND TSP	+29.42
		10/95	H/L Speci	VOL		0.28	3RD TSP	-7.72
17	5	10/95	Bobbin	ODI	13	0.34	7TH TSP	+2.62
		10/95	Bobbin	ODI	37	0.19	7TH TSP	+20.59
		10/95	Bobbin	ODI	3	1.15	10TH TSP	+22.53
		10/95	Bobbin	ODI	35	0.18	10TH TSP	+30.83
17	6	10/95	Bobbin	ODI	11	0.51	10TH TSP	+19.41
		10/95	C/L Speci	VOL		1.06	10TH TSP	+18.98
17	8	10/95	Bobbin	ADI		2.30	5TH TSP	+13.17
		10/95	Bobbin	ADI		1.45	11TH TSP	+24.71
		10/95	H/L Speci	VOL		1.29	5TH TSP	+14.32
		10/95	C/L Speci	VOL		0.77	11TH TSP	+26.15
17	13	10/95	Bobbin	ODI	5	1.71	10TH TSP	+16.57
		10/95	Bobbin	ODI	16	0.64	11TH TSP	+11.51
17	25	10/95	Bobbin	ODI	16	2.35	16TH TSP	+10.37
17	36	10/95	Bobbin	ODI	10	0.84	6TH TSP	+12.93
17	37	10/95	Bobbin	ODI	5	2.63	14TH TSP	+5.25
17	40	10/95	Bobbin	NQI		0.82	10TH TSP	+10.40
		10/95	C/L Speci	VOL		1.83	10TH TSP	-0.01
17	42	10/95	Bobbin	ADI		3.74	1ST TSP	+3.96
		10/95	Bobbin	ODI	8	1.75	6TH TSP	+8.43
		10/95	H/L Speci	VOL		1.40	1ST TSP	+4.34
		10/95	H/L Speci	VOL		1.55	1ST TSP	+4.34
17	47	10/95	Bobbin	ADI		1.60	1ST TSP	+9.44
		10/95	H/L Speci	VOL		1.03	1ST TSP	+10.30
17	59	10/95	Bobbin	ADI		1.86	2ND TSP	+9.99
		10/95	Bobbin	ADI		2.66	2ND TSP	+29.88
		10/95	Bobbin	ODI	14	1.80	2ND TSP	+26.89
		10/95	H/L Speci	VOL		0.40	2ND TSP	+10.60
		10/95	H/L Speci	VOL		0.70	2ND TSP	+30.17
		10/95	H/L Speci	VOL		0.80	2ND TSP	+24.04
		10/95	H/L Speci	VOL		0.99	2ND TSP	+25.26
		10/95	H/L Speci	VOL		1.08	2ND TSP	+27.02

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

17	73	10/95	Bobbin	ADI		0.41	5TH TSP	+26.06	
		10/95	Bobbin	ODI	19	0.52	13TH TSP	+10.52	
17	87	10/95	Bobbin	NQI		2.76	4TH TSP	-0.87	
		10/95	Bobbin	ODI	21	2.20	3RD TSP	+32.03	
		10/95	Bobbin	ADI		1.95	4TH TSP	+2.13	to +21.14
		10/95	Bobbin	ADI		3.98	3RD TSP	+15.71	to +21.74
		10/95	Bobbin	ADI		5.27	2ND TSP	+20.98	to +28.17
		10/95	H/L Spec	VOL		0.33	2ND TSP	+25.20	
		10/95	H/L Spec	VOL		0.79	2ND TSP	+22.79	
		10/95	H/L Spec	VOL		0.80	2ND TSP	+21.45	
		10/95	H/L Spec	VOL		1.34	2ND TSP	+26.89	
		10/95	H/L Spec	VOL		1.46	3RD TSP	+33.03	
		10/95	H/L Spec	VOL		1.93	3RD TSP	+21.16	
		10/95	H/L Spec	VOL		1.97	3RD TSP	+19.63	
		10/95	H/L Spec	VOL		2.09	3RD TSP	+35.20	
		10/95	H/L Spec	VOL		2.65	3RD TSP	+16.29	
		10/95	H/L Spec	VOL		1.16	4TH TSP	+2.13	to +21.14
18	5	10/95	Bobbin	ODI	34	0.40	10TH TSP	+21.01	
18	9	10/95	Bobbin	ODI	7	1.00	10TH TSP	+40.06	
18	20	10/95	Bobbin	ADI		3.21	16TH TSP	+1.95	
		10/95	C/L Spec	VOL		1.13	16TH TSP	+1.69	
18	22	10/95	Bobbin	ODI	30	0.31	7TH TSP	+13.51	
		10/95	Bobbin	ODI	34	0.19	7TH TSP	+24.04	
18	59	10/95	Bobbin	ADI		0.45	18TH TSP	+2.14	
18	72	10/95	Bobbin	ADI		2.22	18TH TSP	+14.20	
		10/95	C/L Spec	VOL		0.74	18TH TSP	+14.08	
18	73	10/95	Bobbin	ADI		1.79	13TH TSP	+4.84	to +18.55
		10/95	C/L Spec	VOL		0.29	13TH TSP	+4.84	to +18.55
18	80	10/95	Bobbin	ODI	5	3.95	13TH TSP	+33.44	
		10/95	Bobbin	ODI	12	2.26	13TH TSP	+27.74	
18	85	10/95	Bobbin	ODI	8	1.16	18TH TSP	+15.90	
		10/95	C/L Spec	VOL		0.66	17TH TSP	-3.33	
18	86	10/95	Bobbin	ADI		0.70	6TH TSP	+35.87	
		10/95	H/L Spec	VOL		0.66	7TH TSP	-6.20	
		10/95	H/L Spec	VOL		0.79	7TH TSP	-5.41	
18	87	10/95	Bobbin	NQI		0.60	1ST TSP	+13.54	
		10/95	H/L Spec	VOL		1.34	1ST TSP	+13.98	
18	96	10/95	Bobbin	ADI		1.13	10TH TSP	+41.99	
		10/95	C/L Spec	VOL		1.01	9TH TSP	-4.94	
18	108	10/95	Bobbin	ADI		0.92	4TH TSP	+8.07	
		10/95	Bobbin	ODI	22	0.56	6TH TSP	+6.87	
		10/95	H/L Spec	VOL		0.14	4TH TSP	+12.98	
		10/95	H/L Spec	VOL		0.20	4TH TSP	+4.67	
		10/95	H/L Spec	VOL		0.29	4TH TSP	+8.68	
19	11	10/95	Bobbin	ADI		1.32	17TH TSP	+4.94	
		10/95	Bobbin	ADI		1.49	13TH TSP	+19.13	
		10/95	Bobbin	ODI	6	1.00	17TH TSP	+6.98	
		10/95	C/L Spec	VOL		0.64	17TH TSP	+4.94	
		10/95	C/L Spec	VOL		0.71	17TH TSP	+7.16	
		10/95	C/L Spec	VOL		0.90	13TH TSP	+19.91	
19	15	10/95	Bobbin	NQI		0.33	10TH TSP	+38.12	
		10/95	C/L Spec	VOL		0.92	9TH TSP	-6.95	
19	21	10/95	Bobbin	ADI		1.06	18TH TSP	+9.14	
		10/95	C/L Spec	VOL		0.36	18TH TSP	+9.50	
19	22	10/95	Bobbin	ODI	29	0.66	10TH TSP	+41.94	
19	23	10/95	Bobbin	ADI		3.38	11TH TSP	+33.88	
		10/95	Bobbin	NQI		0.40	14TH TSP	-1.25	
		10/95	Bobbin	NQI		0.66	13TH TSP	-0.96	
		10/95	Bobbin	ODI	27	1.54	7TH TSP	+9.06	
		10/95	Bobbin	ODI	7	1.06	10TH TSP	+9.66	
		10/95	Bobbin	ODI	16	0.98	13TH TSP	+17.49	
		10/95	Bobbin	ODI	38	0.44	13TH TSP	+36.18	
		10/95	C/L Spec	VOL		0.37	10TH TSP	-10.14	
		10/95	C/L Spec	VOL		0.62	12TH TSP	-7.23	
		10/95	C/L Spec	VOL		0.93	13TH TSP	-0.77	

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

19	24	10/95	Bobbin	ODI	20	0.77	13TH TSP	+34.04	
19	48	10/95	Bobbin	ODI	5	0.46	13TH TSP	+27.72	
19	59	10/95	Bobbin	ODI	2	0.63	7TH TSP	+37.49	
19	60	10/95	Bobbin	ODI	22	0.47	18TH TSP	+5.97	
19	61	10/95	Bobbin	NQI		0.34	11TH TSP	+35.01	
19	62	10/95	Bobbin	ADI		0.78	7TH TSP	+13.29	to +40.14
		10/95	H/L Speci	VOL		0.91	7TH TSP	+35.20	
		10/95	H/L Speci	VOL		1.54	7TH TSP	+22.68	
		10/95	H/L Speci	VOL		1.54	7TH TSP	+31.66	
		10/95	H/L Speci	VOL		1.84	7TH TSP	+25.21	
19	86	10/95	Bobbin	ADI		1.59	11TH TSP	+7.20	
		10/95	C/L Speci	VOL		1.27	11TH TSP	+7.46	
19	95	10/95	Bobbin	NQI		0.38	10TH TSP	+23.88	
		10/95	Bobbin	ODI	16	0.40	7TH TSP	+24.97	
		10/95	Bobbin	ODI	22	0.51	7TH TSP	+27.63	
		10/95	Bobbin	ODI	15	0.48	10TH TSP	+35.16	
		10/95	C/L Speci	VOL		0.24	10TH TSP	+23.05	
19	99	10/95	Bobbin	ODI	25	0.38	18TH TSP	+4.10	
19	107	10/95	Bobbin	ODI	22	3.06	16TH TSP	+15.85	
20	5	10/95	Bobbin	ODI	37	0.25	10TH TSP	+21.53	
20	9	10/95	Bobbin	ODI	26	0.33	10TH TSP	+33.79	
20	18	10/95	Bobbin	NQI		0.38	12TH TSP	+34.38	
		10/95	C/L Speci	VOL		0.65	11TH TSP	-9.57	
20	19	10/95	Bobbin	ODI	19	0.26	7TH TSP	+26.88	
20	20	10/95	Bobbin	ODI	20	1.07	1AVB	+5.07	
20	21	10/95	Bobbin	NQI		1.24	9TH TSP	+6.63	
		10/95	U-Bend	VOL		0.79	9TH TSP	+6.50	
20	23	10/95	Bobbin	ADI		2.66	1AVB	+6.11	
		10/95	U-Bend	VOL		0.96	1AVB	+5.39	
20	29	10/95	Bobbin	ODI	10	1.03	13TH TSP	+15.21	
20	40	10/95	Bobbin	ODI	7	1.54	12TH TSP	+6.74	
		10/95	C/L Speci	VOL		1.41	12TH TSP	+6.53	
		10/95	C/L Speci	VOL		0.89	12TH TSP	+7.96	to +12.31
20	41	10/95	Bobbin	ADI		1.17	5TH TSP	+14.83	
		10/95	H/L Speci	VOL		0.90	5TH TSP	+14.75	
20	46	10/95	Bobbin	ODI	20	1.09	12TH TSP	+23.73	
		10/95	C/L Speci	VOL		1.64	12TH TSP	+23.83	
20	53	10/95	Bobbin	ODI	15	1.45	TTS-HL	+16.33	
20	54	10/95	Bobbin	ODI	19	1.51	TTS-CL	+4.62	
		10/95	Bobbin	ODI	6	1.03	10TH TSP	+17.42	
		10/95	Bobbin	ODI	7	0.63	14TH TSP	+6.29	
		10/95	Bobbin	ODI	13	0.95	18TH TSP	+14.18	
20	55	10/95	Bobbin	ODI	10	0.40	19TH TSP	+5.62	
20	58	10/95	Bobbin	ODI	11	0.68	10TH TSP	+37.39	
20	61	10/95	Bobbin	ODI	3	0.68	3RD TSP	+29.64	
		10/95	Bobbin	ODI	6	1.09	4TH TSP	+8.88	
		10/95	Bobbin	ODI	8	1.19	3RD TSP	+28.03	
		10/95	H/L Speci	VOL		0.23	4TH TSP	+9.38	
		10/95	H/L Speci	VOL		0.29	4TH TSP	-8.64	
20	64	10/95	Bobbin	ADI		1.95	12TH TSP	+1.24	
		10/95	C/L Speci	VOL		0.67	12TH TSP	+1.02	
20	70	10/95	Bobbin	ODI	12	0.64	18TH TSP	+11.94	
20	71	10/95	Bobbin	ODI	6	3.18	TTS-HL	+1.98	
20	72	10/95	Bobbin	ODI	15	0.87	18TH TSP	+8.38	
20	73	10/95	Bobbin	ODI	14	0.45	18TH TSP	+8.24	
20	74	10/95	Bobbin	ADI		1.90	4AVB	+10.13	
		10/95	Bobbin	ADI		2.56	4TH TSP	+38.34	
		10/95	Bobbin	ODI	25	0.54	4TH TSP	+27.16	
		10/95	Bobbin	ODI	5	0.61	14TH TSP	+2.92	
		10/95	Bobbin	ODI	5	1.10	12TH TSP	+37.95	
		10/95	H/L Speci	VOL		0.42	5TH TSP	-5.10	
		10/95	C/L Speci	VOL		0.42	14TH TSP	+3.14	
		10/95	C/L Speci	VOL		0.73	11TH TSP	-5.58	
20	75	10/95	Bobbin	ODI	8	0.37	18TH TSP	+8.56	
20	78	10/95	Bobbin	ODI	15	1.32	10TH TSP	+20.59	

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

20	80	10/95	Bobbin	ODI	8	2.08	10TH TSP	+7.51
20	82	10/95	Bobbin	ODI	22	0.23	18TH TSP	+8.11
20	83	10/95	Bobbin	ODI	26	0.20	18TH TSP	+7.88
20	92	10/95	Bobbin	ODI	23	0.92	18TH TSP	+6.78
		10/95	C/L Speci	VOL		1.27	18TH TSP	+6.81
20	93	10/95	Bobbin	ODI	4	0.56	18TH TSP	+9.17
20	95	10/95	Bobbin	ODI	17	0.48	18TH TSP	+8.98
20	96	10/95	Bobbin	ODI	33	0.47	18TH TSP	+8.07
20	99	10/95	Bobbin	ODI	18	0.25	18TH TSP	+9.49
20	100	10/95	Bobbin	ODI	19	0.52	18TH TSP	+9.35
20	102	10/95	Bobbin	ODI	18	0.41	18TH TSP	+9.47
20	103	10/95	Bobbin	ODI	5	0.60	18TH TSP	+9.33
20	104	10/95	Bobbin	ODI	12	0.71	18TH TSP	+9.46
20	106	10/95	Bobbin	ADI		2.40	1ST TSP	+23.20
20	108	10/95	Bobbin	ODI	29	0.24	18TH TSP	+9.70
21	9	10/95	Bobbin	ODI	8	0.98	1ST TSP	+9.33
21	13	10/95	Bobbin	ODI	7	1.82	2ND TSP	+16.87
21	15	10/95	Bobbin	ODI	13	0.89	10TH TSP	+10.43
21	20	10/95	Bobbin	ODI	16	0.49	7TH TSP	+20.41
21	21	10/95	Bobbin	ADI		2.37	14TH TSP	+5.79
		10/95	Bobbin	ODI	2	0.95	11TH TSP	+3.45
		10/95	Bobbin	ODI	6	1.48	13TH TSP	+24.14
		10/95	C/L Speci	VOL		1.10	14TH TSP	+5.56
21	30	10/95	Bobbin	NQI		0.28	13TH TSP	+31.02
21	33	10/95	Bobbin	ADI		3.58	1AVB	+13.75
		10/95	U-Bend	VOL		0.68	1AVB	+12.87
		10/95	Bobbin	ODI	10	0.63	5TH TSP	+19.40
21	36	10/95	Bobbin	NQI		0.30	10TH TSP	+41.28
		10/95	Bobbin	ODI	32	0.26	7TH TSP	+39.17
		10/95	Bobbin	ODI	35	0.56	7TH TSP	+36.78
		10/95	Bobbin	ODI	8	0.50	10TH TSP	+33.38
		10/95	Bobbin	ODI	38	0.35	10TH TSP	+41.70
		10/95	C/L Speci	VOL		0.26	10TH TSP	+33.39
		10/95	C/L Speci	VOL		0.34	10TH TSP	+41.42
		10/95	C/L Speci	VOL		0.56	10TH TSP	+44.91
21	47	10/95	Bobbin	ADI		0.47	14TH TSP	+15.72
		10/95	Bobbin	ODI	24	1.35	16TH TSP	+15.31
		10/95	C/L Speci	VOL		0.35	13TH TSP	-2.40
21	49	10/95	Bobbin	ODI	9	0.29	13TH TSP	+8.16
21	55	10/95	Bobbin	ODI	11	0.35	19TH TSP	+6.55
21	61	10/95	Bobbin	ODI	23	0.74	18TH TSP	+11.88
21	63	10/95	Bobbin	ODI	12	0.43	18TH TSP	+14.45
21	65	10/95	Bobbin	ODI	38	0.42	18TH TSP	+13.56
21	66	10/95	Bobbin	ODI	18	0.42	18TH TSP	+15.32
21	68	10/95	Bobbin	ODI	6	0.82	4TH TSP	+7.55
		10/95	Bobbin	ODI	23	0.55	18TH TSP	+11.40
21	69	10/95	Bobbin	ODI	17	1.21	18TH TSP	+13.59
21	73	10/95	Bobbin	ODI	34	0.26	18TH TSP	+13.07
21	74	10/95	Bobbin	ODI	28	0.63	18TH TSP	+11.40
21	76	10/95	Bobbin	ODI	26	0.45	18TH TSP	+14.05
21	77	10/95	Bobbin	ODI	5	0.92	7TH TSP	+23.65
		10/95	Bobbin	ODI	20	0.61	18TH TSP	+11.24
		10/95	H/L Speci	VOL		0.55	7TH TSP	+24.71
21	80	10/95	Bobbin	ODI	6	0.66	18TH TSP	+12.29
21	81	10/95	Bobbin	ODI	17	0.64	18TH TSP	+12.41
21	82	10/95	Bobbin	ODI	32	0.54	18TH TSP	+12.37
21	83	10/95	Bobbin	ODI	14	0.84	15TH TSP	+12.07
		10/95	Bobbin	ODI	18	1.78	18TH TSP	+12.30
		10/95	C/L Speci	VOL		0.77	15TH TSP	+12.76
		10/95	C/L Speci	VOL		1.05	17TH TSP	-6.60
21	84	10/95	Bobbin	ODI	8	0.45	18TH TSP	+12.50
21	85	10/95	Bobbin	ODI	19	1.24	18TH TSP	+12.45
21	87	10/95	Bobbin	ODI	3	0.83	TTS-CL	+3.19
		10/95	Bobbin	ODI	10	1.61	18TH TSP	+12.39
21	88	10/95	Bobbin	ODI	6	1.20	18TH TSP	+12.49

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Catawba Nuclear Station - Unit Two

S/G D

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

Page 1:

21	89	10/95	Bobbin	ODI	3	0.62	18TH TSP	+12.70	
21	90	10/95	Bobbin	NQI		0.34	10TH TSP	+14.84	
		10/95	Bobbin	ODI	17	0.89	18TH TSP	+12.78	
21	91	10/95	Bobbin	ADI		2.81	12TH TSP	+20.04	
		10/95	Bobbin	ODI	12	0.56	18TH TSP	+12.71	
		10/95	Bobbin	ODI	13	0.40	12TH TSP	+9.03	
		10/95	C/L Speci	VOL		1.27	12TH TSP	+20.41	
21	93	10/95	Bobbin	ODI	10	0.41	18TH TSP	+12.72	
		10/95	Bobbin	ADI		4.09	11TH TSP	+11.73	to +32.87
		10/95	C/L Speci	VOL		0.85	11TH TSP	+12.31	to +31.12
21	94	10/95	Bobbin	ODI	9	1.24	18TH TSP	+12.59	
21	96	10/95	Bobbin	ODI	8	0.87	18TH TSP	+12.93	
21	99	10/95	Bobbin	ODI	4	1.08	18TH TSP	+2.80	
21	101	10/95	Bobbin	ODI	9	1.00	18TH TSP	+3.12	
21	103	10/95	Bobbin	ODI	30	0.87	18TH TSP	+2.82	
21	104	10/95	Bobbin	ODI	4	0.92	18TH TSP	+3.34	
21	105	10/95	Bobbin	ODI	3	1.65	1AVB	+5.72	
		10/95	Bobbin	ODI	6	1.11	18TH TSP	+2.78	
21	108	10/95	Bobbin	ODI	3	0.71	18TH TSP	+2.71	
22	8	10/95	Bobbin	ADI		0.43	13TH TSP	+30.76	
		10/95	Bobbin	ADI		1.54	11TH TSP	+33.56	
		10/95	Bobbin	ADI		5.00	11TH TSP	+37.99	
		10/95	C/L Speci	VOL		1.10	10TH TSP	-6.15	
22	16	10/95	Bobbin	NQI		0.27	10TH TSP	+27.99	
		10/95	Bobbin	ODI	13	0.84	10TH TSP	+37.57	
		10/95	Bobbin	ODI	20	0.30	10TH TSP	+36.42	
		10/95	C/L Speci	VOL		0.73	10TH TSP	+29.54	
		10/95	C/L Speci	VOL		1.02	10TH TSP	+29.57	
22	23	10/95	Bobbin	ADI		0.80	12TH TSP	+20.63	
		10/95	C/L Speci	VOL		0.46	12TH TSP	+22.06	
22	27	10/95	Bobbin	NQI		0.56	16TH TSP	+11.07	
		10/95	C/L Speci	VOL		0.91	15TH TSP	-7.45	
22	30	10/95	Bobbin	NQI		0.49	18TH TSP	+13.62	
		10/95	C/L Speci	VOL		0.54	17TH TSP	-4.90	
22	36	10/95	Bobbin	ODI	19	1.27	4TH TSP	+29.97	
22	40	10/95	Bobbin	ODI	23	0.93	16TH TSP	+11.81	
22	70	10/95	Bobbin	ODI	2	0.60	15TH TSP	+9.03	
22	74	10/95	Bobbin	ADI		1.53	16TH TSP	+15.42	
		10/95	Bobbin	ODI	13	1.08	10TH TSP	+4.12	
		10/95	C/L Speci	VOL		0.68	15TH TSP	-3.75	
22	75	10/95	Bobbin	ODI	11	1.48	4TH TSP	+23.58	
		10/95	Bobbin	ODI	18	1.20	14TH TSP	+2.75	
22	83	10/95	Bobbin	ODI	29	0.38	7TH TSP	+31.92	
		10/95	H/L Speci	VOL		0.55	8TH TSP	-14.08	
22	88	10/95	Bobbin	ODI	2	1.18	17TH TSP	+6.94	
22	89	10/95	Bobbin	NQI		0.43	7TH TSP	+39.55	
		10/95	Bobbin	ODI	2	1.35	5TH TSP	+34.82	
		10/95	Bobbin	ODI	4	0.92	10TH TSP	+26.90	
		10/95	Bobbin	ODI	9	0.70	12TH TSP	+5.80	
		10/95	Bobbin	ODI	15	0.76	18TH TSP	+3.53	
		10/95	H/L Speci	VOL		1.31	6TH TSP	-8.78	
22	91	10/95	Bobbin	ODI	13	0.39	16TH TSP	+10.20	
22	102	10/95	Bobbin	ODI	12	1.48	13TH TSP	+16.85	
23	6	10/95	Bobbin	NQI		0.54	8TH TSP	+0.56	
23	9	10/95	Bobbin	ADI		1.13	7TH TSP	+37.12	
		10/95	Bobbin	ODI	10	0.62	1ST TSP	+20.95	
23	25	10/95	Bobbin	NQI		1.00	11TH TSP	+26.36	
		10/95	C/L Speci	VOL		0.87	11TH TSP	+28.28	
23	28	10/95	Bobbin	ADI		1.01	5TH TSP	+20.89	to +28.61
		10/95	H/L Speci	VOL		0.24	5TH TSP	+24.20	to +31.09
23	45	10/95	Bobbin	ODI	6	0.83	7TH TSP	+34.76	
		10/95	Bobbin	ODI	6	1.10	7TH TSP	+28.16	
		10/95	Bobbin	ODI	8	2.00	8TH TSP	+9.49	
		10/95	Bobbin	ODI	26	1.53	7TH TSP	+2.53	
23	99	10/95	Bobbin	ODI	8	0.70	18TH TSP	+9.28	

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Catawba Nuclear Station - Unit Two

S/G D

10/95 RFO

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

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	Bobbin	ODI	9	0.52	11TH TSP	+7.35
23	103	10/95	Bobbin	ODI	18	0.84	10TH TSP	+44.04
23	108	10/95	Bobbin	ODI	17	0.22	15TH TSP	+12.29
23	109	10/95	Bobbin	ODI	2	0.40	17TH TSP	+12.66
		10/95	C/L Speci	VOL		0.62	17TH TSP	+12.20
24	7	10/95	Bobbin	ODI	15	1.33	7TH TSP	+7.23
		10/95	Bobbin	ODI	20	0.87	11TH TSP	+1.83
24	10	10/95	Bobbin	ADI		1.07	1ST TSP	+11.47
		10/95	Bobbin	ADI		2.74	1ST TSP	+4.21
		10/95	H/L Speci	VOL		1.12	1ST TSP	+4.01
24	13	10/95	Bobbin	ADI		0.97	18TH TSP	+10.15
		10/95	Bobbin	ADI		1.35	14TH TSP	+14.10
		10/95	Bobbin	ADI		1.96	17TH TSP	+10.67
		10/95	C/L Speci	VOL		0.32	13TH TSP	-4.23
		10/95	C/L Speci	VOL		0.38	18TH TSP	+9.91
		10/95	C/L Speci	VOL		0.63	17TH TSP	+10.72
24	18	10/95	Bobbin	ADI		4.22	2ND TSP	+27.14
		10/95	Bobbin	ADI		0.65	11TH TSP	+25.46
		10/95	H/L Speci	VOL		1.18	2ND TSP	+25.42
		10/95	C/L Speci	VOL		2.21	10TH TSP	-18.53
24	19	10/95	Bobbin	ODI	6	2.11	13TH TSP	+29.34
		10/95	C/L Speci	VOL		1.09	12TH TSP	-13.69
24	28	10/95	Bobbin	ADI		2.86	12TH TSP	-1.19
		10/95	Bobbin	NQI		0.86	13TH TSP	+22.57
		10/95	Bobbin	ODI	2	2.15	7TH TSP	+21.53
		10/95	C/L Speci	VOL		1.17	12TH TSP	-21.12
		10/95	C/L Speci	VOL		1.51	12TH TSP	-1.99
24	32	10/95	Bobbin	ADI		1.74	13TH TSP	+17.47
24	37	10/95	Bobbin	ODI	4	1.10	9TH TSP	-0.94
24	40	10/95	Bobbin	ODI	6	0.60	10TH TSP	+22.76
24	44	10/95	Bobbin	ODI	17	0.36	8TH TSP	-0.79
24	47	10/95	Bobbin	ODI	16	0.61	19TH TSP	+2.19
24	51	10/95	Bobbin	ODI	5	0.56	5TH TSP	+29.15
		10/95	Bobbin	ODI	3	1.00	16TH TSP	+5.97
24	53	10/95	Bobbin	ADI		2.15	8TH TSP	+14.84
24	60	10/95	Bobbin	ODI	34	1.44	7TH TSP	+22.73
		10/95	H/L Speci	VOL		1.60	7TH TSP	+24.57
24	62	10/95	Bobbin	NQI		0.24	11TH TSP	-0.81
		10/95	C/L Speci	VOL		0.97	11TH TSP	-0.84
24	71	10/95	Bobbin	NQI		0.78	13TH TSP	+10.30
		10/95	C/L Speci	VOL		1.00	13TH TSP	+13.46
		10/95	C/L Speci	VOL		1.35	13TH TSP	+10.67
24	72	10/95	Bobbin	ODI	9	1.25	10TH TSP	+39.38
24	79	10/95	Bobbin	ODI	16	0.85	17TH TSP	+12.60
24	86	10/95	Bobbin	ODI	8	1.56	9TH TSP	+36.99
		10/95	Bobbin	ODI	14	0.90	4TH TSP	+10.52
		10/95	Bobbin	ODI	10	1.25	10TH TSP	+39.13
24	91	10/95	Bobbin	ODI	6	0.40	17TH TSP	+8.44
		10/95	C/L Speci	VOL		1.32	17TH TSP	+7.31
24	102	10/95	Bobbin	ODI	4	0.99	11TH TSP	+28.56
		10/95	C/L Speci	VOL		1.44	10TH TSP	-14.26
24	103	10/95	Bobbin	ODI	10	0.98	17TH TSP	+3.21
		10/95	C/L Speci	VOL		1.63	17TH TSP	+3.08
24	104	10/95	Bobbin	ODI	10	2.19	11TH TSP	+2.00 to +29.00
24	105	10/95	Bobbin	NQI		0.49	13TH TSP	+35.04
		10/95	C/L Speci	VOL		1.36	12TH TSP	-7.57
25	8	10/95	Bobbin	NQI		0.42	10TH TSP	+24.96
		10/95	Bobbin	NQI		0.69	10TH TSP	+35.89
		10/95	C/L Speci	VOL		0.55	9TH TSP	-8.57
		10/95	C/L Speci	VOL		1.93	9TH TSP	-20.27
25	14	10/95	Bobbin	ODI	19	0.52	7TH TSP	+17.26
		10/95	Bobbin	NQI		0.90	8TH TSP	-8.08 to +0.00
		10/95	Bobbin	NQI		2.97	7TH TSP	+23.89 to +28.25
		10/95	H/L Speci	VOL		0.62	7TH TSP	+25.63 to +29.93
		10/95	H/L Speci	VOL		0.68	7TH TSP	+39.33 to +44.57

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S/G D

10/95 RFO

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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25	15	10/95	Bobbin	ODI	24	0.54	10TH TSP	+34.58
25	16	10/95	Bobbin	ODI	2	1.37	10TH TSP	+32.79
		10/95	C/L Speci	VOL		0.47	9TH TSP	-12.56
25	21	10/95	Bobbin	ODI	14	0.93	1AVB	+0.95
		10/95	Bobbin	ODI	16	1.14	4AVB	+15.67
		10/95	Bobbin	ODI	16	1.18	7TH TSP	+27.60
25	23	10/95	Bobbin	ODI	17	0.61	10TH TSP	+39.61
		10/95	Bobbin	ODI	26	0.35	10TH TSP	+38.33
25	29	10/95	Bobbin	ODI	8	0.59	15TH TSP	+10.67
25	31	10/95	Bobbin	NQI		0.35	4TH TSP	+9.72
		10/95	Bobbin	NQI		0.36	8TH TSP	+17.34
25	34	10/95	Bobbin	ODI	13	0.48	6TH TSP	+36.13
25	40	10/95	Bobbin	ADI		1.29	12TH TSP	+14.10
		10/95	Bobbin	ODI	2	0.83	12TH TSP	+23.56
		10/95	C/L Speci	VOL		0.54	12TH TSP	+14.95
25	45	10/95	Bobbin	NQI		0.32	16TH TSP	+2.04
		10/95	Bobbin	ODI	5	0.30	13TH TSP	+18.40
		10/95	C/L Speci	VOL		0.37	16TH TSP	+6.89
		10/95	C/L Speci	VOL		0.77	16TH TSP	+2.25
25	50	10/95	Bobbin	NQI		0.81	6TH TSP	+40.22
		10/95	H/L Speci	VOL		1.51	7TH TSP	-2.73
25	51	10/95	Bobbin	ODI	3	0.91	7TH TSP	+34.16
		10/95	Bobbin	ODI	5	1.31	6TH TSP	+4.52
		10/95	Bobbin	ODI	10	1.07	15TH TSP	+9.91
		10/95	Bobbin	ODI	15	0.46	13TH TSP	+28.98
25	56	10/95	Bobbin	NQI		0.62	12TH TSP	+5.82
		10/95	Bobbin	ODI	22	0.81	11TH TSP	+34.68
		10/95	C/L Speci	VOL		1.30	12TH TSP	+6.51
25	62	10/95	Bobbin	ODI	15	1.36	4TH TSP	+32.02
25	63	10/95	Bobbin	ADI		3.31	4AVB	+9.62
		10/95	U-Bend	VOL		1.99	4AVB	+9.30
25	71	10/95	Bobbin	NQI		0.50	12TH TSP	+7.18
		10/95	C/L Speci	VOL		0.67	12TH TSP	+7.60
25	103	10/95	Bobbin	ADI		2.77	1ST TSP	+25.95
25	105	10/95	Bobbin	NQI		0.72	18TH TSP	+15.23
25	107	10/95	Bobbin	WAR	12	0.26	3AVB	+0.00
		10/95	Bobbin	WAR	25	0.65	2AVB	+0.00
26	9	10/95	Bobbin	NQI		0.73	12TH TSP	+17.09
		10/95	Bobbin	ODI	22	0.42	10TH TSP	+15.39
		10/95	C/L Speci	VOL		1.39	12TH TSP	+17.89
26	10	10/95	Bobbin	ODI	11	1.40	7TH TSP	+31.56
26	18	10/95	Bobbin	NQI		0.56	12TH TSP	+30.78
		10/95	C/L Speci	VOL		1.06	11TH TSP	-12.72
26	19	10/95	Bobbin	ODI	8	1.29	3RD TSP	+32.88
		10/95	Bobbin	ODI	9	0.80	3RD TSP	+29.07
		10/95	Bobbin	ODI	12	0.61	4TH TSP	+6.28
		10/95	Bobbin	ODI	3	0.95	10TH TSP	+22.02
		10/95	H/L Speci	VOL		0.33	4TH TSP	-7.49
		10/95	H/L Speci	VOL		0.39	4TH TSP	+5.28
		10/95	H/L Speci	VOL		0.92	4TH TSP	-3.24
26	23	10/95	Bobbin	ODI	2	0.40	7TH TSP	+40.14
		10/95	Bobbin	ODI	17	2.19	7TH TSP	+31.37
		10/95	Bobbin	ODI	26	0.25	7TH TSP	+37.38
		10/95	Bobbin	ODI	2	0.52	10TH TSP	+29.41
		10/95	Bobbin	ODI	14	0.51	10TH TSP	+33.27
		10/95	H/L Speci	VOL		0.75	8TH TSP	-11.51
26	25	10/95	Bobbin	ODI	19	1.02	5TH TSP	+29.75
26	27	10/95	Bobbin	NQI		0.93	4TH TSP	+11.95
		10/95	H/L Speci	VOL		1.12	4TH TSP	+12.94
26	28	10/95	Bobbin	ODI	9	0.75	16TH TSP	+4.23
26	32	10/95	Bobbin	ADI		1.17	7TH TSP	+16.51
		10/95	H/L Speci	VOL		0.63	7TH TSP	+17.96
26	36	10/95	Bobbin	ODI	12	0.37	6TH TSP	+30.80
26	37	10/95	Bobbin	ODI	11	1.42	10TH TSP	+38.89
26	39	10/95	Bobbin	NQI		0.75	5TH TSP	+8.45

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

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	Bobbin	NQI		0.85	5TH TSP	+8.88
		10/95	Bobbin	ODI	3	0.62	7TH TSP	+32.35
		10/95	Bobbin	ODI	18	0.63	7TH TSP	+37.92
		10/95	Bobbin	ODI	34	0.44	7TH TSP	+37.12
		10/95	H/L Speci	VOL		1.20	5TH TSP	+8.96
26	42	10/95	Bobbin	NQI		0.29	5TH TSP	+16.00
		10/95	Bobbin	NQI		0.37	15TH TSP	+12.44
		10/95	Bobbin	ODI	13	0.60	15TH TSP	+7.50
		10/95	C/L Speci	VOL		0.58	15TH TSP	+13.53
26	43	10/95	Bobbin	ODI	30	0.65	8TH TSP	+1.15
26	45	10/95	Bobbin	ODI	2	0.81	7TH TSP	+36.57
26	46	10/95	Bobbin	NQI		1.74	4AVB	+14.46
		10/95	Bobbin	NQI		1.02	9TH TSP	-1.14
		10/95	Bobbin	ODI	5	1.17	10TH TSP	+6.53
		10/95	Bobbin	ODI	11	1.31	10TH TSP	+40.10
		10/95	Bobbin	ODI	13	2.15	10TH TSP	+42.01
		10/95	Bobbin	ODI	27	2.64	10TH TSP	+42.52
26	52	10/95	Bobbin	NQI		0.33	5TH TSP	+6.37
		10/95	H/L Speci	VOL		0.25	5TH TSP	+5.45
26	56	10/95	Bobbin	ADI		4.36	2AVB	+3.13
		10/95	Bobbin	ADI		2.83	10TH TSP	+18.21
		10/95	C/L Speci	VOL		2.32	10TH TSP	+18.57
26	67	10/95	Bobbin	ODI	10	1.16	10TH TSP	+13.36
26	72	10/95	Bobbin	ODI	9	1.43	10TH TSP	+27.79
26	77	10/95	Bobbin	ADI		1.86	8TH TSP	+14.69
		10/95	U-Bend	VOL		0.81	8TH TSP	+14.40
26	82	10/95	Bobbin	ODI	26	0.45	15TH TSP	+2.39
26	83	10/95	Bobbin	ODI	23	0.51	6TH TSP	+38.02
26	95	10/95	Bobbin	ODI	38	0.88	11TH TSP	+25.95
		10/95	C/L Speci	VOL		1.00	10TH TSP	-18.00
27	11	10/95	Bobbin	NQI		1.02	13TH TSP	+13.54
		10/95	C/L Speci	VOL		1.05	13TH TSP	+14.15
27	12	10/95	Bobbin	NQI		0.23	12TH TSP	+34.09
		10/95	Bobbin	ODI	6	1.24	18TH TSP	+10.85
		10/95	C/L Speci	VOL		1.01	11TH TSP	-9.32
27	15	10/95	Bobbin	NQI		0.21	10TH TSP	+41.63
		10/95	Bobbin	ODI	5	0.22	10TH TSP	+40.69
27	22	10/95	Bobbin	ODI	11	0.72	10TH TSP	+42.41
		10/95	C/L Speci	VOL		1.43	9TH TSP	-1.87
27	26	10/95	U-Bend	VOL		1.20	8TH TSP	+8.32
		10/95	Bobbin	ODI	1	2.17	8TH TSP	+9.55
27	39	10/95	Bobbin	ODI	1	1.06	9TH TSP	-1.16
		10/95	Bobbin	ODI	14	0.26	7TH TSP	+36.28
		10/95	Bobbin	ODI	14	0.48	7TH TSP	+36.59
		10/95	Bobbin	ODI	37	0.70	10TH TSP	+43.68
		10/95	C/L Speci	VOL		1.52	9TH TSP	-2.24
27	43	10/95	Bobbin	ODI	9	0.75	14TH TSP	+10.81
27	49	10/95	Bobbin	ADI		1.35	11TH TSP	+26.54
27	56	10/95	Bobbin	NQI		0.90	9TH TSP	+0.71
27	67	10/95	Bobbin	ODI	11	0.97	13TH TSP	+14.08
27	73	10/95	Bobbin	NQI		0.22	18TH TSP	+13.03
		10/95	C/L Speci	VOL		0.55	17TH TSP	-5.15
27	88	10/95	Bobbin	ODI	16	0.25	12TH TSP	+21.58
		10/95	Bobbin	ODI	27	0.56	12TH TSP	+20.46
27	94	10/95	Bobbin	ODI	12	0.79	17TH TSP	+11.62
		10/95	C/L Speci	VOL		0.79	17TH TSP	+12.10
27	97	10/95	Bobbin	ADI		3.88	7TH TSP	+13.97
		10/95	Bobbin	NQI		0.96	2ND TSP	+17.21
		10/95	Bobbin	ODI	1	1.66	2ND TSP	+9.69
		10/95	Bobbin	ODI	12	1.33	13TH TSP	+37.68
		10/95	Bobbin	ODI	24	0.57	12TH TSP	+31.32
		10/95	Bobbin	ODI	27	0.97	13TH TSP	+39.56
		10/95	Bobbin	ODI	16	1.74	12TH TSP	+5.93 to +28.59
		10/95	H/L Speci	VOL		0.51	2ND TSP	+17.21
		10/95	H/L Speci	VOL		0.69	7TH TSP	+10.53

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

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 INDS OF IMPERFECTIONS - SGD

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ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	H/L Speci	VOL		0.81	7TH TSP	+15.38	
		10/95	H/L Speci	VOL		0.96	2ND TSP	+0.77	
		10/95	C/L Speci	VOL		0.58	12TH TSP	-5.47	
		10/95	C/L Speci	VOL		0.61	12TH TSP	-3.43	
		10/95	C/L Speci	VOL		0.68	12TH TSP	+32.33	
		10/95	C/L Speci	VOL		1.08	12TH TSP	+6.07	to +32.74
27	104	10/95	Bobbin	ODI	15	0.42	18TH TSP	+1.97	
28	10	10/95	Bobbin	ODI	28	0.41	18TH TSP	+3.88	
28	12	10/95	Bobbin	ODI	10	0.57	15TH TSP	+3.27	
		10/95	Bobbin	ODI	17	0.86	10TH TSP	+25.86	
28	13	10/95	Bobbin	NQI		0.45	8TH TSP	+0.60	
		10/95	Bobbin	NQI		0.75	8TH TSP	+1.17	
		10/95	Bobbin	ODI	34	0.28	5TH TSP	+37.75	
28	16	10/95	Bobbin	ODI	33	0.50	9TH TSP	+0.60	
		10/95	Bobbin	ODI	2	0.48	10TH TSP	+27.20	
		10/95	Bobbin	ODI	23	1.13	12TH TSP	+12.86	
		10/95	C/L Speci	VOL		0.62	9TH TSP	-18.91	
		10/95	C/L Speci	VOL		0.99	12TH TSP	+13.19	
28	18	10/95	Bobbin	NQI		0.82	11TH TSP	+25.54	
		10/95	C/L Speci	VOL		2.09	11TH TSP	+28.20	
28	19	10/95	Bobbin	NQI		0.58	9TH TSP	+0.49	
		10/95	Bobbin	NQI		0.77	10TH TSP	+37.10	
		10/95	Bobbin	ODI	11	0.98	7TH TSP	+36.99	
28	25	10/95	Bobbin	ODI	4	1.03	10TH TSP	+37.67	
28	27	10/95	Bobbin	NQI		0.45	6TH TSP	+24.84	
		10/95	Bobbin	NQI		0.38	16TH TSP	+8.46	
		10/95	C/L Speci	VOL		0.71	16TH TSP	+9.03	
28	31	10/95	Bobbin	ODI	20	0.39	10TH TSP	+35.18	
28	32	10/95	Bobbin	NQI		0.49	17TH TSP	+8.70	
		10/95	Bobbin	ODI	11	0.42	18TH TSP	+8.66	
		10/95	Bobbin	ODI	11	0.75	11TH TSP	+26.57	
		10/95	C/L Speci	VOL		0.75	17TH TSP	+9.56	
		10/95	C/L Speci	VOL		0.98	17TH TSP	+9.92	
28	33	10/95	Bobbin	NQI		0.35	12TH TSP	+5.23	
		10/95	Bobbin	NQI		1.31	19TH TSP	+2.81	
		10/95	C/L Speci	VOL		1.39	12TH TSP	+5.69	
		10/95	C/L Speci	VOL		1.73	19TH TSP	+3.09	
28	36	10/95	Bobbin	ODI	20	0.38	10TH TSP	+42.64	
28	40	10/95	Bobbin	ODI	1	1.21	7TH TSP	+31.92	
		10/95	Bobbin	ODI	22	1.18	8TH TSP	+0.85	
28	41	10/95	Bobbin	ODI	3	0.75	1ST TSP	+10.86	
		10/95	H/L Speci	VOL		0.72	1ST TSP	+11.22	
28	45	10/95	Bobbin	ODI	16	1.16	12TH TSP	+24.05	
28	63	10/95	Bobbin	NQI		0.23	10TH TSP	+40.78	
28	64	10/95	Bobbin	ODI	17	0.84	16TH TSP	+16.47	
28	65	10/95	Bobbin	ODI	10	0.86	14TH TSP	+13.48	
28	68	10/95	Bobbin	ODI	19	0.55	16TH TSP	+13.72	
		10/95	C/L Speci	VOL		0.63	16TH TSP	+14.50	
28	71	10/95	Bobbin	NQI		0.93	2AVB	+0.42	
28	72	10/95	Bobbin	NQI		0.41	16TH TSP	+10.45	
		10/95	C/L Speci	VOL		0.53	16TH TSP	+10.99	
28	73	10/95	Bobbin	ODI	10	0.52	3RD TSP	+3.70	
28	84	10/95	Bobbin	ODI	5	1.45	10TH TSP	+32.48	
28	94	10/95	Bobbin	NQI		1.75	17TH TSP	+1.42	
		10/95	C/L Speci	VOL		1.49	17TH TSP	+2.04	
28	102	10/95	Bobbin	ODI	31	0.60	7TH TSP	+38.38	
28	104	10/95	Bobbin	NQI		0.99	11TH TSP	+24.77	
		10/95	C/L Speci	VOL		0.56	10TH TSP	-17.79	
		10/95	C/L Speci	VOL		0.71	10TH TSP	-13.94	
		10/95	C/L Speci	VOL		1.27	10TH TSP	-19.13	
29	11	10/95	Bobbin	ODI	20	0.41	7TH TSP	+30.59	
29	14	10/95	Bobbin	ADI		0.32	7TH TSP	+31.31	
		10/95	Bobbin	ADI		0.76	7TH TSP	+32.28	
29	17	10/95	Bobbin	ADI		2.41	18TH TSP	+9.44	
		10/95	Bobbin	ODI	4	1.53	10TH TSP	+23.31	

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

29	24	10/95	Bobbin	ODI	18	1.03	2ND TSP	+31.00	
29	32	10/95	Bobbin	ODI	6	0.55	5TH TSP	+40.83	
29	33	10/95	Bobbin	ODI	5	1.85	10TH TSP	+1.16	
29	36	10/95	Bobbin	ADI		0.41	10TH TSP	+43.22	
		10/95	Bobbin	ODI	3	0.41	7TH TSP	+38.31	
		10/95	Bobbin	ODI	15	0.75	5TH TSP	+5.28	
		10/95	Bobbin	ODI	33	1.10	4TH TSP	+37.87	
		10/95	Bobbin	ODI	35	0.52	5TH TSP	+1.58	
		10/95	C/L Spec	VOL		0.58	9TH TSP	-2.38	
		10/95	H/L Spec	VOL		0.63	5TH TSP	+6.48	
		10/95	H/L Spec	VOL		0.84	5TH TSP	+3.65	
29	37	10/95	Bobbin	NQI		0.54	3RD TSP	+13.44	
		10/95	Bobbin	NQI		2.02	7TH TSP	+28.61	to +38.92
		10/95	Bobbin	NQI		0.48	10TH TSP	+23.28	to +39.59
		10/95	H/L Spec	VOL		0.45	3RD TSP	+14.78	
		10/95	H/L Spec	VOL		1.55	3RD TSP	+17.17	
29	39	10/95	Bobbin	NQI		0.33	7TH TSP	+35.20	
		10/95	Bobbin	NQI		1.57	7TH TSP	+39.55	
		10/95	Bobbin	ODI	10	0.38	7TH TSP	+38.58	
		10/95	Bobbin	ODI	1	1.48	10TH TSP	+43.07	
		10/95	Bobbin	ODI	22	0.42	10TH TSP	+41.76	
		10/95	C/L Spec	VOL		2.60	9TH TSP	-2.55	
29	40	10/95	Bobbin	NQI		0.80	7TH TSP	+36.78	
29	42	10/95	Bobbin	NQI		0.38	8TH TSP	+0.91	
29	43	10/95	Bobbin	ODI	14	0.56	17TH TSP	+6.55	
29	44	10/95	Bobbin	ODI	29	0.68	6TH TSP	+8.94	
29	50	10/95	Bobbin	NQI		0.72	6TH TSP	+9.74	
		10/95	Bobbin	ODI	33	0.57	2ND TSP	+13.49	
		10/95	Bobbin	ODI	36	0.74	4TH TSP	+15.40	
		10/95	H/L Spec	VOL		1.18	6TH TSP	+9.74	
29	51	10/95	Bobbin	ODI	1	0.77	7TH TSP	+16.29	
		10/95	Bobbin	ODI	7	0.49	7TH TSP	+14.28	
29	56	10/95	Bobbin	ODI	13	0.48	14TH TSP	+15.19	
29	59	10/95	Bobbin	NQI		1.76	18TH TSP	+12.06	to +13.96
29	60	10/95	Bobbin	ODI	20	0.31	11TH TSP	+20.49	
29	63	10/95	Bobbin	ADI		1.87	14TH TSP	+12.23	
		10/95	C/L Spec	VOL		0.94	14TH TSP	+11.60	
29	66	10/95	Bobbin	ODI	2	0.94	10TH TSP	+25.71	
		10/95	Bobbin	ODI	8	0.43	10TH TSP	+24.57	
		10/95	Bobbin	ODI	12	1.47	15TH TSP	+7.28	
		10/95	Bobbin	ODI	13	1.20	14TH TSP	+6.31	
30	20	10/95	Bobbin	ODI	9	5.03	1ST TSP	+24.54	
30	22	10/95	Bobbin	ODI	9	1.03	7TH TSP	+29.69	
30	29	10/95	Bobbin	ODI	13	0.83	10TH TSP	+37.90	
		10/95	C/L Spec	VOL		0.34	9TH TSP	-7.80	
30	31	10/95	Bobbin	ODI	15	0.51	11TH TSP	+23.07	
30	33	10/95	Bobbin	ODI	15	0.58	10TH TSP	+28.03	
30	36	10/95	Bobbin	ODI	29	0.81	2ND TSP	+25.27	
30	37	10/95	Bobbin	ODI	29	0.17	9TH TSP	-0.46	
30	38	10/95	Bobbin	ODI	4	0.59	7TH TSP	+32.22	
30	39	10/95	Bobbin	ODI	2	0.78	11TH TSP	+9.46	
		10/95	Bobbin	ODI	30	0.63	10TH TSP	+43.69	
30	40	10/95	Bobbin	ODI	9	0.43	7TH TSP	+14.27	
		10/95	Bobbin	ODI	15	0.32	2ND TSP	+23.29	
		10/95	H/L Spec	VOL		0.42	2ND TSP	+23.94	
30	41	10/95	Bobbin	ODI	23	0.30	3RD TSP	+12.71	
		10/95	Bobbin	ODI	17	0.26	18TH TSP	+3.24	
		10/95	Bobbin	ODI	20	2.61	14TH TSP	+1.02	
30	46	10/95	Bobbin	ODI	4	0.45	10TH TSP	+35.05	
		10/95	Bobbin	ODI	4	0.85	10TH TSP	+31.34	
30	47	10/95	Bobbin	NQI		0.83	4TH TSP	+19.06	
		10/95	H/L Spec	VOL		0.70	4TH TSP	+20.31	
30	50	10/95	Bobbin	ODI	37	0.24	8TH TSP	-0.62	
30	54	10/95	Bobbin	ODI	4	0.28	13TH TSP	+14.83	
30	55	10/95	Bobbin	ODI	20	0.41	14TH TSP	-1.24	

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

30	77	10/95	Bobbin	ODI	15	0.88	13TH TSP	+16.42	
		10/95	Bobbin	ODI	31	0.94	17TH TSP	+9.01	
		10/95	C/L Spec	VOL		0.59	17TH TSP	+10.28	
		10/95	C/L Spec	VOL		0.95	13TH TSP	+16.77	
30	79	10/95	Bobbin	NQI		1.84	16TH TSP	+0.90	
		10/95	C/L Spec	VOL		1.43	16TH TSP	+1.24	
30	86	10/95	Bobbin	ODI	17	0.65	16TH TSP	+11.46	
		10/95	Bobbin	ODI	26	0.23	16TH TSP	+10.31	
30	102	10/95	Bobbin	WAR	31	0.92	3AVB	+0.00	
31	13	10/95	Bobbin	ODI	4	1.31	8TH TSP	+0.96	
31	15	10/95	Bobbin	ODI	9	0.77	TTS-CL	+5.71	
31	16	10/95	Bobbin	NQI		0.41	10TH TSP	+36.45	
		10/95	Bobbin	NQI		0.58	10TH TSP	+43.40	
		10/95	Bobbin	ODI	23	0.36	7TH TSP	+25.24	
		10/95	Bobbin	ODI	20	0.36	10TH TSP	+28.94	
		10/95	Bobbin	ODI	30	0.42	10TH TSP	+43.85	
		10/95	Bobbin	NQI		0.43	10TH TSP	+28.44	to +35.89
31	18	10/95	Bobbin	ODI	3	0.76	7TH TSP	+32.65	
31	22	10/95	Bobbin	ODI	21	0.29	14TH TSP	+5.65	
31	23	10/95	Bobbin	NQI		0.28	10TH TSP	+29.69	
		10/95	Bobbin	NQI		0.30	10TH TSP	+32.24	
		10/95	Bobbin	ODI	2	0.81	10TH TSP	+36.50	
		10/95	Bobbin	ODI	10	0.72	13TH TSP	+8.01	
31	24	10/95	Bobbin	NQI		0.30	15TH TSP	+9.60	
		10/95	C/L Spec	VOL		0.83	15TH TSP	+10.15	
31	25	10/95	Bobbin	ODI	18	1.59	17TH TSP	+7.93	
		10/95	C/L Spec	VOL		1.39	17TH TSP	+7.84	
31	37	10/95	Bobbin	ODI	22	0.73	7TH TSP	+29.66	
31	38	10/95	Bobbin	ODI	4	0.54	19TH TSP	+1.59	
31	39	10/95	Bobbin	ODI	27	0.40	11TH TSP	+12.25	
		10/95	C/L Spec	VOL		1.61	11TH TSP	+13.54	
31	41	10/95	Bobbin	ODI	9	0.53	4TH TSP	+32.66	
31	47	10/95	Bobbin	ODI	8	4.09	11TH TSP	+30.03	
		10/95	Bobbin	ODI	17	0.80	14TH TSP	+13.23	
		10/95	Bobbin	ODI	19	0.47	14TH TSP	+12.19	
31	48	10/95	Bobbin	NQI		0.35	7TH TSP	+34.60	
		10/95	H/L Spec	VOL		0.77	8TH TSP	-8.24	
31	49	10/95	Bobbin	ODI	25	0.37	16TH TSP	+6.98	
31	59	10/95	Bobbin	NQI		1.09	7TH TSP	+31.48	
		10/95	H/L Spec	VOL		0.99	8TH TSP	-14.13	
31	63	10/95	Bobbin	NQI		0.75	12TH TSP	+18.90	
		10/95	Bobbin	NQI		1.15	12TH TSP	+27.43	
		10/95	Bobbin	NQI		1.65	12TH TSP	+22.47	
		10/95	Bobbin	NQI		1.87	12TH TSP	+24.41	
		10/95	C/L Spec	VOL		0.92	12TH TSP	+18.99	
		10/95	C/L Spec	VOL		1.49	12TH TSP	+27.60	
		10/95	C/L Spec	VOL		2.28	12TH TSP	+22.53	
		10/95	C/L Spec	VOL		2.35	12TH TSP	+24.57	
31	65	10/95	Bobbin	ODI	4	0.96	18TH TSP	+10.83	
31	67	10/95	Bobbin	NQI		0.86	2ND TSP	+33.71	
		10/95	Bobbin	ODI	16	0.64	2ND TSP	+32.75	
		10/95	Bobbin	ODI	4	0.93	13TH TSP	+38.76	
31	68	10/95	Bobbin	ODI	8	1.19	5TH TSP	+17.41	
		10/95	Bobbin	ODI	19	2.12	7TH TSP	+22.58	
31	76	10/95	Bobbin	NQI		0.36	10TH TSP	+43.84	
31	82	10/95	Bobbin	ODI	23	0.37	10TH TSP	+41.83	
31	86	10/95	Bobbin	ODI	36	0.91	1AVB	+5.82	
		10/95	Bobbin	ADI		1.47	13TH TSP	+22.37	
		10/95	Bobbin	ODI	18	0.46	15TH TSP	+12.02	
		10/95	Bobbin	ODI	23	0.56	11TH TSP	+10.70	
31	88	10/95	Bobbin	NQI		0.74	12TH TSP	+34.61	
		10/95	Bobbin	ODI	14	0.31	6TH TSP	+14.87	
		10/95	H/L Spec	VOL		0.22	6TH TSP	+15.65	
31	92	10/95	Bobbin	ODI	8	0.70	15TH TSP	+11.88	
31	96	10/95	Bobbin	ODI	8	0.56	4TH TSP	+19.73	

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S/G D

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

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
31	104	10/95	Bobbin	ODI	17	0.57	9TH TSP	+0.69
32	12	10/95	Bobbin	ODI	19	0.51	10TH TSP	+39.96
32	27	10/95	Bobbin	ODI	3	0.40	2ND TSP	+29.14
		10/95	Bobbin	ODI	2	0.88	18TH TSP	+3.20
		10/95	C/L Speci	VOL		0.76	18TH TSP	+3.24
32	29	10/95	Bobbin	ODI	1	1.25	3RD TSP	+24.51
		10/95	Bobbin	ODI	4	1.77	3RD TSP	+23.38
		10/95	Bobbin	ODI	14	1.20	3RD TSP	+15.35
		10/95	Bobbin	ODI	23	1.21	3RD TSP	+26.29
		10/95	H/L Speci	VOL		1.25	3RD TSP	+15.28
		10/95	H/L Speci	VOL		1.60	3RD TSP	+23.16
		10/95	H/L Speci	VOL		1.97	3RD TSP	+28.19
32	32	10/95	Bobbin	ADI		1.33	1AVB	+15.87
		10/95	Bobbin	ADI		2.09	2AVB	+1.73
		10/95	U-Bend	VOL		1.46	2AVB	+2.42
32	37	10/95	Bobbin	NQI		0.84	6TH TSP	+21.25
		10/95	H/L Speci	VOL		1.25	6TH TSP	+20.88
32	41	10/95	Bobbin	ODI	14	0.43	10TH TSP	+41.39
32	44	10/95	Bobbin	ODI	4	0.89	10TH TSP	+8.55
32	46	10/95	Bobbin	NQI		0.24	10TH TSP	+37.06
		10/95	Bobbin	NQI		0.29	19TH TSP	+3.89
		10/95	Bobbin	ODI	15	0.63	19TH TSP	+6.38
		10/95	C/L Speci	VOL		0.73	19TH TSP	+4.10
32	47	10/95	Bobbin	ODI	8	0.71	2ND TSP	+27.32
32	48	10/95	Bobbin	NQI		0.71	13TH TSP	+23.23
		10/95	C/L Speci	VOL		0.81	13TH TSP	+24.77
32	59	10/95	Bobbin	ODI	3	1.31	7TH TSP	+31.31
		10/95	Bobbin	ODI	26	0.32	9TH TSP	-0.55
32	62	10/95	Bobbin	ODI	3	0.67	11TH TSP	+33.44
32	64	10/95	Bobbin	ODI	15	0.26	13TH TSP	+29.08
		10/95	Bobbin	ODI	31	0.30	12TH TSP	+33.51
32	65	10/95	Bobbin	ODI	5	2.56	13TH TSP	+25.83
32	70	10/95	Bobbin	ODI	12	0.88	6TH TSP	+25.06
		10/95	H/L Speci	VOL		0.20	6TH TSP	+25.57
32	71	10/95	Bobbin	ODI	1	0.47	7TH TSP	+37.68
32	73	10/95	Bobbin	ODI	29	0.61	7TH TSP	+39.53
32	76	10/95	Bobbin	ODI	28	3.14	8TH TSP	+15.97
32	82	10/95	Bobbin	NQI		0.47	7TH TSP	+25.34
32	86	10/95	Bobbin	ADI		6.84	4AVB	+13.73
		10/95	U-Bend	VOL		0.83	4AVB	+13.09
		10/95	Bobbin	ODI	11	4.17	12TH TSP	+29.12
32	90	10/95	Bobbin	ODI	8	0.58	10TH TSP	+13.61
32	92	10/95	Bobbin	ODI	6	0.89	13TH TSP	+23.04
32	93	10/95	Bobbin	ODI	9	0.82	3RD TSP	+29.02
32	101	10/95	Bobbin	ODI	13	1.13	9TH TSP	+18.79
		10/95	Bobbin	ODI	33	1.14	9TH TSP	+16.25
32	103	10/95	Bobbin	ADI		1.77	10TH TSP	+42.98
		10/95	C/L Speci	VOL		0.77	9TH TSP	-2.73
33	13	10/95	Bobbin	WAR	7	0.31	3AVB	+0.00
		10/95	Bobbin	WAR	15	0.53	2AVB	+0.00
33	14	10/95	Bobbin	ODI	21	0.45	9TH TSP	+1.01
33	16	10/95	Bobbin	ODI	13	0.50	7TH TSP	+0.35
33	17	10/95	Bobbin	ODI	36	0.31	10TH TSP	+40.31
33	26	10/95	Bobbin	ADI		1.42	12TH TSP	+37.95
		10/95	C/L Speci	VOL		0.69	11TH TSP	-5.28
33	28	10/95	Bobbin	ODI	19	0.61	10TH TSP	+33.35
33	34	10/95	Bobbin	ODI	24	0.82	13TH TSP	+16.09
33	35	10/95	Bobbin	ODI	26	0.35	7TH TSP	+27.13
33	40	10/95	Bobbin	NQI		0.42	10TH TSP	+14.27
		10/95	C/L Speci	VOL		0.95	10TH TSP	+14.90
33	41	10/95	Bobbin	NQI		1.06	3RD TSP	+26.88
		10/95	Bobbin	ODI	12	0.33	14TH TSP	+9.69
33	46	10/95	Bobbin	NQI		0.37	10TH TSP	+15.06
		10/95	C/L Speci	VOL		0.89	10TH TSP	+15.16
33	55	10/95	Bobbin	ODI	21	0.43	7TH TSP	+19.35

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S/G D

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

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

INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

33	62	10/95	U-Bend	VOL		1.29	9TH TSP	+21.17
		10/95	Bobbin	ODI	17	3.14	9TH TSP	+20.92
33	63	10/95	Bobbin	ODI	5	0.99	7TH TSP	+35.51
		10/95	Bobbin	ODI	10	1.01	10TH TSP	+40.12
33	64	10/95	Bobbin	ODI	22	0.88	2ND TSP	+6.22
		10/95	Bobbin	ODI	9	1.12	10TH TSP	+25.03
		10/95	C/L Speci	VOL		0.98	9TH TSP	-21.53
33	75	10/95	Bobbin	ODI	33	0.28	14TH TSP	+11.82
33	77	10/95	Bobbin	ODI	9	0.72	1ST TSP	+10.12
33	85	10/95	Bobbin	ODI	6	0.36	7TH TSP	+37.97
33	86	10/95	Bobbin	ODI	27	1.14	15TH TSP	+12.39
33	88	10/95	Bobbin	ODI	13	1.42	15TH TSP	+7.96
33	95	10/95	Bobbin	ODI	5	1.74	17TH TSP	+9.28
33	103	10/95	Bobbin	ODI	33	0.35	7TH TSP	+38.73
34	16	10/95	Bobbin	ADI		2.26	12TH TSP	+26.87
		10/95	Bobbin	ADI		2.56	13TH TSP	+7.63
		10/95	Bobbin	ODI	15	0.86	16TH TSP	+1.50
		10/95	C/L Speci	VOL		0.78	13TH TSP	+6.69
		10/95	C/L Speci	VOL		0.87	11TH TSP	-16.43
34	17	10/95	Bobbin	NQI		0.19	7TH TSP	+36.99
		10/95	Bobbin	NQI		0.29	7TH TSP	+36.71
		10/95	Bobbin	NQI		0.37	7TH TSP	+38.72
		10/95	Bobbin	ODI	19	0.33	7TH TSP	+39.44
34	32	10/95	Bobbin	ODI	18	0.53	10TH TSP	+31.61
34	35	10/95	Bobbin	ODI	33	0.49	10TH TSP	+38.58
34	39	10/95	Bobbin	ADI		2.32	11TH TSP	+6.38
		10/95	Bobbin	ODI	2	0.55	7TH TSP	+10.02
		10/95	C/L Speci	VOL		0.92	11TH TSP	+6.48
34	69	10/95	Bobbin	ODI	2	0.77	7TH TSP	+14.32
		10/95	Bobbin	ODI	22	0.49	8TH TSP	-0.52
		10/95	Bobbin	ODI	26	0.43	7TH TSP	+36.79
34	75	10/95	Bobbin	NQI		0.83	8TH TSP	+14.22
		10/95	U-Bend	VOL		0.74	8TH TSP	+11.30
		10/95	Bobbin	ODI	6	1.10	6TH TSP	+34.54
		10/95	Bobbin	ODI	15	0.39	10TH TSP	+39.27
34	79	10/95	Bobbin	ADI		2.88	3RD TSP	-1.53
		10/95	Bobbin	ODI	14	0.60	18TH TSP	+7.99
		10/95	H/L Speci	VOL		0.70	3RD TSP	-1.25
34	87	10/95	Bobbin	ODI	15	1.32	8TH TSP	-0.50
		10/95	Bobbin	ODI	17	0.42	6TH TSP	+28.62
34	88	10/95	Bobbin	ODI	25	0.51	13TH TSP	+34.48
		10/95	Bobbin	ODI	26	0.89	13TH TSP	+19.94
		10/95	C/L Speci	VOL		0.22	13TH TSP	+32.96
		10/95	C/L Speci	VOL		0.34	13TH TSP	+36.16
		10/95	C/L Speci	VOL		1.01	13TH TSP	+20.91
		10/95	C/L Speci	VOL		1.26	13TH TSP	+24.24
34	89	10/95	Bobbin	ODI	9	2.08	7TH TSP	+39.55
34	90	10/95	Bobbin	ODI	6	0.55	13TH TSP	+3.99
34	97	10/95	Bobbin	ODI	4	0.79	10TH TSP	+33.58
34	98	10/95	U-Bend	VOL		0.57	2AVB	+0.00
		10/95	Bobbin	WAR	24	0.58	2AVB	+0.00
34	99	10/95	Bobbin	WAR	20	0.43	2AVB	+0.00
34	100	10/95	Bobbin	WAR	14	0.31	3AVB	+0.00
35	14	10/95	Bobbin	WAR	31	1.56	2AVB	+0.00
35	16	10/95	Bobbin	ODI	7	0.37	7TH TSP	+34.71
35	17	10/95	Bobbin	ODI	23	0.59	10TH TSP	+21.00
35	25	10/95	Bobbin	ADI		1.41	13TH TSP	+29.92
		10/95	Bobbin	ODI	13	0.43	14TH TSP	+10.25
		10/95	C/L Speci	VOL		0.85	12TH TSP	-13.41
35	41	10/95	Bobbin	ADI		3.02	6TH TSP	+17.83
		10/95	H/L Speci	VOL		0.59	6TH TSP	+17.58
35	66	10/95	Bobbin	NQI		1.22	17TH TSP	-0.63
		10/95	C/L Speci	VOL		2.62	17TH TSP	-0.71
35	74	10/95	Bobbin	ADI		1.83	3RD TSP	+11.53
		10/95	H/L Speci	VOL		1.26	3RD TSP	+4.12

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S/G D

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

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

INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	H/L Speci	VOL		1.58	3RD TSP	+12.02
		10/95	H/L Speci	VOL		1.61	3RD TSP	+11.32
35	79	10/95	Bobbin	ODI	21	0.59	7TH TSP	+35.74
35	93	10/95	Bobbin	IDI	28	29.91	1AVB	+22.63
35	94	10/95	Bobbin	ADI		4.68	3RD TSP	+15.94
		10/95	H/L Speci	VOL		1.73	3RD TSP	+16.62
35	101	10/95	Bobbin	ODI	19	2.32	1ST TSP	+11.78
36	16	10/95	Bobbin	WAR	31	1.47	2AVB	+0.00
		10/95	Bobbin	ODI	2	0.52	11TH TSP	+29.72
		10/95	Bobbin	ODI	14	0.73	11TH TSP	+30.77
		10/95	C/L Speci	VOL		1.10	10TH TSP	-13.74
		10/95	C/L Speci	VOL		1.19	10TH TSP	-12.46
36	18	10/95	Bobbin	ODI	8	0.77	10TH TSP	+43.54
		10/95	C/L Speci	VOL		0.67	9TH TSP	-2.49
36	22	10/95	Bobbin	NQI		1.29	14TH TSP	+8.06
		10/95	Bobbin	ODI	3	0.64	17TH TSP	+11.99
		10/95	Bobbin	ODI	10	0.47	16TH TSP	+11.09
		10/95	Bobbin	ODI	15	0.36	17TH TSP	+14.26
		10/95	C/L Speci	VOL		1.02	16TH TSP	+12.00
		10/95	C/L Speci	VOL		1.06	17TH TSP	+15.11
		10/95	C/L Speci	VOL		1.20	17TH TSP	+12.67
		10/95	C/L Speci	VOL		1.71	14TH TSP	+8.66
36	24	10/95	Bobbin	ADI		4.68	1AVB	+19.13
		10/95	U-Bend	VOL		0.53	1AVB	+18.54
36	27	10/95	Bobbin	ODI	4	0.85	5TH TSP	+18.72
36	31	10/95	H/L Speci	VOL		0.27	7TH TSP	+2.19
36	35	10/95	Bobbin	NQI		0.35	14TH TSP	+13.02
		10/95	C/L Speci	VOL		0.75	14TH TSP	+14.25
36	65	10/95	Bobbin	ODI	18	1.93	3AVB	+0.71
36	80	10/95	Bobbin	ODI	10	2.79	8TH TSP	-0.78
36	88	10/95	Bobbin	ADI		2.18	16TH TSP	+13.83
		10/95	C/L Speci	VOL		1.28	16TH TSP	+14.26
36	91	10/95	Bobbin	ODI	16	0.57	9TH TSP	-0.87
36	93	10/95	Bobbin	WAR	13	0.37	2AVB	+0.00
36	94	10/95	Bobbin	WAR	5	0.17	1AVB	+0.00
		10/95	Bobbin	WAR	10	0.34	2AVB	+0.00
36	95	10/95	Bobbin	ADI		4.41	7TH TSP	+13.73
		10/95	Bobbin	ODI	18	2.22	11TH TSP	+8.62
		10/95	H/L Speci	VOL		0.37	7TH TSP	+14.32
36	96	10/95	U-Bend	VOL		0.26	2AVB	+0.00
		10/95	Bobbin	WAR	15	0.42	2AVB	+0.00
36	98	10/95	Bobbin	WAR	14	0.40	4AVB	+0.00
		10/95	Bobbin	ADI		3.16	4TH TSP	+24.14
		10/95	H/L Speci	VOL		1.47	4TH TSP	+19.39
		10/95	H/L Speci	VOL		2.77	4TH TSP	+21.61
		10/95	H/L Speci	VOL		2.89	4TH TSP	+24.60
		10/95	H/L Speci	VOL		3.02	4TH TSP	+37.15
		10/95	H/L Speci	VOL		3.52	4TH TSP	+33.55
37	17	10/95	Bobbin	WAR	14	0.39	2AVB	+0.00
		10/95	Bobbin	WAR	17	0.52	4AVB	+0.00
37	22	10/95	Bobbin	ODI	7	0.91	TTS-CL	+6.13
		10/95	Bobbin	ODI	10	1.72	12TH TSP	+2.41
		10/95	Bobbin	ODI	13	0.53	11TH TSP	+6.68
37	23	10/95	Bobbin	NQI		0.59	9TH TSP	+1.92
37	25	10/95	U-Bend	VOL		0.80	9TH TSP	+1.83
		10/95	Bobbin	ODI	4	1.20	9TH TSP	+1.88
37	30	10/95	Bobbin	ODI	19	0.31	2ND TSP	+30.98
		10/95	H/L Speci	VOL		0.39	3RD TSP	-4.58
37	36	10/95	Bobbin	NQI		1.44	2AVB	+5.61
37	37	10/95	Bobbin	ODI	2	0.78	10TH TSP	+36.97
		10/95	Bobbin	NQI		1.04	17TH TSP	+1.55 to +10.45
		10/95	C/L Speci	VOL		1.03	10TH TSP	+35.02
		10/95	C/L Speci	VOL		1.01	17TH TSP	+1.33 to +10.90
37	43	10/95	Bobbin	ODI	1	1.23	2ND TSP	+32.54
		10/95	H/L Speci	VOL		0.50	3RD TSP	-3.11

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Catawba Nuclear Station - Unit Two

S/G D

10/95 RFO

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

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S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

37	61	10/95	Bobbin	ODI	9	0.62	13TH TSP	+18.16	
37	63	10/95	Bobbin	NQI		0.55	8TH TSP	+1.45	
		10/95	Bobbin	ODI	3	1.98	10TH TSP	+42.63	
		10/95	C/L Speci	VOL		1.28	9TH TSP	-3.98	
37	82	10/95	Bobbin	ODI	11	0.73	7TH TSP	+22.58	
37	83	10/95	Bobbin	ADI		1.97	1ST TSP	+12.64	
		10/95	H/L Speci	VOL		1.43	1ST TSP	+13.31	
		10/95	H/L Speci	VOL		1.51	1ST TSP	+15.82	
38	17	10/95	U-Bend	VOL		0.85	2AVB	+0.00	
		10/95	Bobbin	WAR	24	0.88	4AVB	+0.00	
		10/95	Bobbin	WAR	35	2.02	2AVB	+0.00	
38	18	10/95	Bobbin	WAR	18	0.54	4AVB	+0.00	
		10/95	Bobbin	WAR	21	0.72	2AVB	+0.00	
38	34	10/95	Bobbin	ODI	13	0.57	11TH TSP	+27.91	
		10/95	C/L Speci	VOL		0.49	11TH TSP	+28.21	
38	36	10/95	Bobbin	ADI		1.40	10TH TSP	+7.39	
		10/95	C/L Speci	VOL		0.49	10TH TSP	+7.07	
38	38	10/95	Bobbin	ODI	28	0.47	10TH TSP	+42.52	
38	49	10/95	Bobbin	ODI	7	3.36	10TH TSP	+6.89	
		10/95	C/L Speci	VOL		3.04	10TH TSP	+7.15	
38	65	10/95	Bobbin	ODI	2	1.25	14TH TSP	+5.67	
38	70	10/95	Bobbin	ADI		2.05	12TH TSP	+1.74	to +9.93
		10/95	C/L Speci	VOL		4.71	12TH TSP	+2.22	to +9.04
38	71	10/95	Bobbin	ODI	10	1.77	6TH TSP	+31.82	
38	73	10/95	Bobbin	ODI	9	2.58	6TH TSP	+33.23	
38	74	10/95	Bobbin	ADI		2.85	10TH TSP	+19.16	
		10/95	Bobbin	ADI		2.98	14TH TSP	+3.25	
		10/95	C/L Speci	VOL		0.53	14TH TSP	+2.60	
		10/95	C/L Speci	VOL		0.39	10TH TSP	+14.09	to +20.44
38	77	10/95	Bobbin	ADI		3.02	1ST TSP	+16.02	
		10/95	H/L Speci	VOL		1.16	1ST TSP	+16.50	
		10/95	H/L Speci	VOL		1.43	1ST TSP	+8.85	
38	80	10/95	Bobbin	ADI		3.70	3AVB	+6.72	
		10/95	U-Bend	VOL		1.91	3AVB	+6.51	
		10/95	Bobbin	ADI		1.79	16TH TSP	+11.43	
		10/95	Bobbin	ODI	13	1.17	7TH TSP	+17.28	
		10/95	H/L Speci	VOL		1.47	7TH TSP	+17.29	
38	93	10/95	Bobbin	WAR	13	0.28	3AVB	+0.00	
		10/95	Bobbin	WAR	30	1.01	2AVB	+0.00	
39	18	10/95	U-Bend	VOL		0.20	2AVB	+0.00	
		10/95	U-Bend	VOL		0.31	1AVB	+0.00	
		10/95	U-Bend	VOL		1.70	3AVB	+0.00	
		10/95	Bobbin	WAR	11	0.29	2AVB	+0.00	
		10/95	Bobbin	WAR	14	0.39	1AVB	+0.00	
		10/95	Bobbin	WAR	18	0.57	4AVB	+0.00	
		10/95	Bobbin	WAR	37	2.51	3AVB	+0.00	
39	19	10/95	Bobbin	ODI	2	1.59	14TH TSP	+2.65	
		10/95	C/L Speci	VOL		0.81	14TH TSP	+2.81	
39	33	10/95	Bobbin	NQI		0.37	9TH TSP	+0.90	
39	35	10/95	Bobbin	NQI		0.47	9TH TSP	+0.85	
		10/95	Bobbin	NQI		0.62	8TH TSP	+2.14	
		10/95	Bobbin	NQI		0.63	10TH TSP	+42.18	
		10/95	C/L Speci	VOL		0.45	9TH TSP	-3.75	
39	41	10/95	Bobbin	ODI	11	2.68	4AVB	+9.62	
39	44	10/95	Bobbin	ODI	15	0.38	16TH TSP	+12.14	
39	55	10/95	Bobbin	ODI	18	0.41	6TH TSP	+35.24	
39	62	10/95	Bobbin	ADI		0.79	7TH TSP	+26.19	
		10/95	Bobbin	ODI	31	1.51	15TH TSP	+6.37	
39	68	10/95	Bobbin	ADI		4.78	1ST TSP	+15.84	
		10/95	Bobbin	ODI	7	0.66	8TH TSP	-0.49	
		10/95	H/L Speci	VOL		1.24	1ST TSP	+16.88	
39	70	10/95	Bobbin	ODI	15	1.72	3RD TSP	+21.33	
39	80	10/95	Bobbin	ADI		1.31	1AVB	+6.34	
39	88	10/95	Bobbin	ODI	9	0.59	13TH TSP	+31.62	
39	90	10/95	Bobbin	ODI	31	0.62	7TH TSP	+40.36	

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
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 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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39	98	10/95	Bobbin	WAR	14	0.32	1AVB	+0.00
40	24	10/95	Bobbin	NQI		1.24	4TH TSP	+9.60
		10/95	Bobbin	ODI	8	1.86	17TH TSP	+1.66
		10/95	H/L Spec	VOL		1.67	4TH TSP	+9.40
		10/95	C/L Spec	VOL		1.35	17TH TSP	+1.56
40	25	10/95	Bobbin	ODI	7	1.19	13TH TSP	+17.24
		10/95	Bobbin	ODI	7	1.25	15TH TSP	+3.28
		10/95	C/L Spec	VOL		1.01	15TH TSP	+3.44
40	28	10/95	Bobbin	ODI	24	2.20	8TH TSP	+3.20
		10/95	Bobbin	ODI	4	1.56	13TH TSP	+4.83
		10/95	C/L Spec	VOL		1.02	13TH TSP	+5.01
40	37	10/95	Bobbin	NQI		0.29	10TH TSP	+41.34
		10/95	Bobbin	NQI		0.60	10TH TSP	+37.64
		10/95	Bobbin	NQI		0.78	10TH TSP	+39.02
		10/95	C/L Spec	VOL		1.24	9TH TSP	-8.45
40	44	10/95	Bobbin	ODI	5	0.72	7TH TSP	+32.88
		10/95	Bobbin	ODI	23	0.43	15TH TSP	+9.78
40	48	10/95	Bobbin	ODI	1	0.81	11TH TSP	+28.35
		10/95	Bobbin	ODI	20	0.27	14TH TSP	+11.64
40	56	10/95	Bobbin	ODI	1	0.73	14TH TSP	+11.89
		10/95	Bobbin	ODI	6	1.07	11TH TSP	+28.48
		10/95	C/L Spec	VOL		0.45	18TH TSP	-0.83
40	61	10/95	Bobbin	NQI		0.41	10TH TSP	+16.17
40	63	10/95	Bobbin	NQI		0.48	8TH TSP	-0.54
40	64	10/95	Bobbin	ADI		5.86	3AVB	+11.89
		10/95	U-Bend	VOL		3.95	3AVB	+10.82
40	84	10/95	Bobbin	ADI		2.41	1AVB	+1.72
		10/95	U-Bend	VOL		0.50	1AVB	+1.58
40	88	10/95	Bobbin	ADI		2.18	9TH TSP	+9.33
		10/95	U-Bend	VOL		1.28	9TH TSP	+10.02
40	89	10/95	Bobbin	ODI	16	0.68	8TH TSP	+1.66
		10/95	Bobbin	ODI	37	0.32	7TH TSP	+38.83
40	94	10/95	Bobbin	WAR	23	0.65	2AVB	+0.00
		10/95	Bobbin	WAR	23	0.65	3AVB	+0.00
40	97	10/95	Bobbin	ODI	10	1.39	10TH TSP	+1.39
		10/95	Bobbin	ODI	22	0.44	13TH TSP	+10.07
41	22	10/95	Bobbin	ODI	8	1.28	9TH TSP	+2.12
41	60	10/95	Bobbin	ODI	4	1.03	6TH TSP	+19.15
41	63	10/95	Bobbin	ODI	9	1.89	1AVB	+10.67
		10/95	Bobbin	ODI	5	0.97	17TH TSP	+8.06
41	69	10/95	Bobbin	ADI		2.51	3AVB	+10.22
		10/95	U-Bend	VOL		1.26	3AVB	+9.30
		10/95	Bobbin	ADI		3.34	5TH TSP	+30.65
		10/95	Bobbin	NQI		1.33	2ND TSP	+17.09
		10/95	Bobbin	ADI		5.01	15TH TSP	+16.78
		10/95	Bobbin	ODI	14	1.15	1ST TSP	+25.81
		10/95	H/L Spec	VOL		1.15	5TH TSP	+32.33
		10/95	H/L Spec	VOL		1.22	2ND TSP	+17.76
		10/95	C/L Spec	VOL		1.52	14TH TSP	-1.00
41	77	10/95	Bobbin	WAR	20	0.50	2AVB	+0.00
41	84	10/95	Bobbin	ODI	36	0.80	8TH TSP	+2.12
41	87	10/95	Bobbin	NQI		0.69	1ST TSP	+17.99
41	88	10/95	Bobbin	ODI	38	1.28	6TH TSP	+6.43
		10/95	H/L Spec	VOL		1.38	6TH TSP	+7.16
41	90	10/95	Bobbin	NQI		0.37	7TH TSP	+36.64
		10/95	Bobbin	ODI	5	1.57	14TH TSP	+11.49
41	93	10/95	Bobbin	ODI	13	0.78	7TH TSP	+36.84
41	95	10/95	Bobbin	ODI	21	0.69	7TH TSP	+4.14
42	23	10/95	Bobbin	WAR	17	0.51	2AVB	+0.00
42	26	10/95	Bobbin	ADI		1.38	11TH TSP	+29.20
		10/95	C/L Spec	VOL		0.70	10TH TSP	-14.95
42	61	10/95	Bobbin	ODI	7	0.45	11TH TSP	+19.42
		10/95	Bobbin	ODI	22	0.86	11TH TSP	+28.15
		10/95	Bobbin	ODI	28	0.65	11TH TSP	+17.81
		10/95	Bobbin	ODI	31	0.56	11TH TSP	+7.96

BWNT TUBAN II (Version 2.1)

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Catawba Nuclear Station - Unit Two

S/G D

10/95 RFO

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD
 ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

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42	64	10/95	Bobbin	WAR	16	1.70	13TH TSP	+0.00
42	67	10/95	Bobbin	ODI	4	1.59	4TH TSP	+34.83
42	69	10/95	Bobbin	ODI	15	0.99	7TH TSP	+36.26
42	71	10/95	Bobbin	ODI	7	0.58	7TH TSP	+18.47
42	77	10/95	Bobbin	NQI		0.68	8TH TSP	+1.35
		10/95	Bobbin	ODI	3	0.70	15TH TSP	+14.28
		10/95	C/L Speci	VOL		0.74	14TH TSP	-3.94
42	82	10/95	Bobbin	NQI		0.54	8TH TSP	+1.74
42	83	10/95	Bobbin	ODI	4	0.91	5TH TSP	+40.75
42	87	10/95	Bobbin	ODI	1	0.87	12TH TSP	+29.28
42	93	10/95	Bobbin	ODI	30	0.37	7TH TSP	+38.63
43	22	10/95	Bobbin	WAR	19	0.63	4AVB	+0.00
		10/95	Bobbin	WAR	26	1.02	3AVB	+0.00
43	70	10/95	Bobbin	ODI	8	0.66	7TH TSP	+15.03
		10/95	Bobbin	ODI	24	0.33	6TH TSP	+40.80
43	72	10/95	Bobbin	NQI		1.09	4AVB	+18.37
		10/95	U-Bend	VOL		0.68	4AVB	+16.90
43	73	10/95	Bobbin	NQI		0.70	1ST TSP	+22.66
		10/95	Bobbin	NQI		0.94	8TH TSP	+11.42
		10/95	U-Bend	VOL		1.03	8TH TSP	+9.75
		10/95	H/L Speci	VOL		1.25	1ST TSP	+23.37
43	74	10/95	Bobbin	NQI		1.07	4TH TSP	+14.08
		10/95	H/L Speci	VOL		0.90	4TH TSP	+13.64
43	78	10/95	Bobbin	WAR	26	0.92	2AVB	+0.00
		10/95	Bobbin	WAR	32	1.38	3AVB	+0.00
43	81	10/95	Bobbin	WAR	18	0.50	4AVB	+0.00
		10/95	Bobbin	WAR	23	0.73	2AVB	+0.00
		10/95	Bobbin	WAR	34	1.61	3AVB	+0.00
43	91	10/95	Bobbin	NQI		0.87	3RD TSP	+2.04
		10/95	H/L Speci	VOL		0.90	3RD TSP	+1.61
44	24	10/95	Bobbin	ODI	8	1.35	4TH TSP	+29.01
44	27	10/95	Bobbin	ODI	11	2.09	13TH TSP	+10.82
44	46	10/95	Bobbin	WAR	14	0.31	3AVB	+0.00
44	54	10/95	Bobbin	ODI	12	0.85	8TH TSP	+2.20
44	64	10/95	Bobbin	NQI		0.48	5TH TSP	+41.11
44	69	10/95	Bobbin	ODI	9	0.58	5TH TSP	+37.61
44	85	10/95	Bobbin	ODI	21	1.19	8TH TSP	+2.35
44	90	10/95	Bobbin	ODI	9	0.58	10TH TSP	+38.51
		10/95	C/L Speci	VOL		0.59	10TH TSP	+42.19
45	24	10/95	Bobbin	ODI	15	1.41	15TH TSP	+25.67
		10/95	C/L Speci	VOL		1.45	13TH TSP	-10.35
45	35	10/95	Bobbin	ODI	6	1.08	7TH TSP	+22.87
		10/95	Bobbin	ODI	33	0.52	7TH TSP	+22.61
45	52	10/95	Bobbin	ODI	8	1.71	10TH TSP	+1.42
		10/95	Bobbin	ODI	24	0.47	17TH TSP	+8.67
		10/95	Bobbin	ODI	36	0.55	11TH TSP	+16.98
		10/95	C/L Speci	VOL		0.82	11TH TSP	+17.06
45	73	10/95	Bobbin	ODI	12	1.68	13TH TSP	+27.66
45	78	10/95	Bobbin	NQI		0.45	13TH TSP	+5.42
		10/95	C/L Speci	VOL		0.76	13TH TSP	+5.75
45	79	10/95	Bobbin	ODI	36	0.98	9TH TSP	+14.62
45	91	10/95	Bobbin	WAR	11	0.37	4AVB	+0.00
46	48	10/95	Bobbin	ADI		3.23	3AVB	+12.58
		10/95	Bobbin	NQI		1.85	1AVB	+30.58
		10/95	Bobbin	NQI		2.06	3AVB	+1.17
		10/95	U-Bend	VOL		1.15	1AVB	+20.60
		10/95	U-Bend	VOL		1.21	3AVB	+0.78
		10/95	U-Bend	VOL		1.28	3AVB	+11.00
		10/95	U-Bend	VOL		1.59	2AVB	+8.94
		10/95	U-Bend	VOL		1.62	1AVB	+29.63
		10/95	U-Bend	VOL		1.81	3AVB	+0.93
		10/95	Bobbin	ODI	15	2.13	2AVB	+9.80
		10/95	Bobbin	ODI	36	0.67	1AVB	+22.34
46	61	10/95	Bobbin	NQI		0.56	11TH TSP	+41.13
46	63	10/95	Bobbin	ADI		3.89	1AVB	+31.05

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
 INDS OF IMPERFECTIONS - SGD

ROW	COL	OUTAGE	TEST	TYPE	IND	%TW	VOLTS	LOCATION
		10/95	U-Bend	VOL		1.38	1AVB	+25.73
47	27	10/95	Bobbin	NQI		1.23	7TH TSP	+36.29
		10/95	Bobbin	ODI	2	0.80	6TH TSP	+7.90
47	29	10/95	Bobbin	ODI	10	0.50	15TH TSP	+27.42
47	33	10/95	Bobbin	ADI		6.03	10TH TSP	+37.80
		10/95	C/L Speci	VOL		2.17	9TH TSP	-7.91
47	34	10/95	Bobbin	NQI		0.66	1AVB	+17.23
		10/95	Bobbin	NQI		0.95	1AVB	+14.77
		10/95	Bobbin	NQI		1.02	1AVB	+11.01
		10/95	Bobbin	NQI		1.18	1AVB	+18.93
		10/95	U-Bend	VOL		0.79	1AVB	+8.87
		10/95	U-Bend	VOL		0.85	1AVB	+10.63
		10/95	U-Bend	VOL		0.93	1AVB	+14.33
		10/95	U-Bend	VOL		1.06	1AVB	+18.21
		10/95	U-Bend	VOL		1.10	1AVB	+16.47
		10/95	Bobbin	ODI	11	0.77	1AVB	+9.15
47	35	10/95	H/L Tubes	VOL		1.51	TTS-HL	-0.17
47	38	10/95	Bobbin	NQI		0.57	9TH TSP	-0.66
		10/95	Bobbin	ODI	1	0.68	9TH TSP	+1.05
47	41	10/95	Bobbin	ODI	13	1.22	9TH TSP	+2.38
47	43	10/95	Bobbin	ODI	5	1.27	10TH TSP	+40.46
47	46	10/95	Bobbin	ODI	22	0.33	9TH TSP	-1.40
		10/95	Bobbin	ODI	26	0.33	10TH TSP	+43.48
47	48	10/95	H/L Tubes	VOL		1.16	TTS-HL	-2.41
47	67	10/95	Bobbin	ODI	36	0.50	7TH TSP	+38.39
47	68	10/95	Bobbin	ADI		5.20	4AVB	+25.38
		10/95	U-Bend	VOL		1.70	4AVB	+24.42
		10/95	Bobbin	ODI	18	0.85	7TH TSP	+32.65
47	70	10/95	Bobbin	ODI	35	0.52	18TH TSP	+7.73
47	81	10/95	Bobbin	ODI	33	2.25	2AVB	+5.41
48	33	10/95	Bobbin	NQI		0.36	13TH TSP	+3.30
		10/95	C/L Speci	VOL		1.15	13TH TSP	+3.41
48	41	10/95	Bobbin	ADI		1.29	7TH TSP	+27.00
48	44	10/95	U-Bend	VOL		0.98	4AVB	-7.79
		10/95	Bobbin	ODI	1	1.42	4AVB	-8.95
		10/95	Bobbin	NQI		0.43	7TH TSP	+42.56
		10/95	Bobbin	NQI		0.71	11TH TSP	+1.97
		10/95	Bobbin	NQI		0.81	15TH TSP	+26.31
		10/95	Bobbin	ODI	5	1.05	7TH TSP	+24.86
		10/95	Bobbin	ODI	18	1.10	11TH TSP	+24.24
		10/95	H/L Speci	VOL		0.74	7TH TSP	+20.34
		10/95	C/L Speci	VOL		0.75	15TH TSP	+26.19
		10/95	C/L Speci	VOL		1.36	11TH TSP	+2.49
48	51	10/95	Bobbin	ODI	2	0.62	11TH TSP	+13.54
		10/95	Bobbin	ODI	15	0.52	11TH TSP	+12.07
48	60	10/95	Bobbin	WAR	13	1.38	13TH TSP	+0.00
48	62	10/95	Bobbin	NQI		0.54	10TH TSP	+29.51
48	68	10/95	Bobbin	ODI	34	2.83	1AVB	+28.55
48	70	10/95	Bobbin	ADI		0.75	7TH TSP	+30.63
		10/95	Bobbin	NQI		0.33	17TH TSP	+27.02
		10/95	C/L Speci	VOL		0.50	17TH TSP	+26.51
48	71	10/95	Bobbin	NQI		0.51	9TH TSP	+2.26
48	72	10/95	C/L Speci	VOL		0.55	18TH TSP	+0.81
48	75	10/95	H/L Tubes	VOL		0.61	TTS-HL	+0.09
48	77	10/95	Bobbin	ADI		2.23	1ST TSP	+16.09
48	78	10/95	Bobbin	ADI		4.04	4AVB	-0.57
49	33	10/95	Bobbin	ODI	19	1.08	13TH TSP	+5.83
49	37	10/95	Bobbin	ODI	12	0.91	12TH TSP	+11.84
		10/95	Bobbin	ODI	13	2.11	15TH TSP	+25.44
49	48	10/95	Bobbin	ODI	5	0.74	8TH TSP	+3.16
49	51	10/95	Bobbin	ODI	14	0.51	15TH TSP	+19.90
		10/95	Bobbin	ODI	29	0.51	11TH TSP	+18.44
		10/95	Bobbin	ODI	29	1.54	11TH TSP	+19.68
49	52	10/95	Bobbin	WAR	12	1.38	13TH TSP	+0.00
		10/95	C/L Speci	VOL		1.17	13TH TSP	-0.48

BWNT TUBAN II (Version 2.1) 10/30/1995 13:43:14
Catawba Nuclear Station - Unit Two
S/G D
10/95 RFO

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

S/G D - ATTACHMENT #4 - INDICATIONS OF IMPERFECTIONS
INDS OF IMPERFECTIONS - SGD

Page 2

ROW COL OUTAGE TEST TYPE IND %TW VOLTS LOCATION

		10/95	C/L Speci	VOL		2.35	13TH TSP	+0.34
49	53	10/95	Bobbin	WAR	12	1.48	13TH TSP	+0.00
49	59	10/95	Bobbin	ADI		1.16	7TH TSP	+23.80
		10/95	H/L Speci	VOL		0.10	7TH TSP	+25.24
49	60	10/95	Bobbin	NQI		0.32	9TH TSP	+36.93
49	70	10/95	Bobbin	ODI	33	1.06	8TH TSP	+3.43

Total Indications Found = 1696

Total Tubes Found = 810

```
***** BWNT TUBAN II (Version 2.1) 10/30/1995 13:51:39 *****
***** Catawba Nuclear Station - Unit Two *****
***** S/G A *****
***** 10/95 RFO *****
*****
```

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STEAM GENERATOR REPAIR LIST -- ATTACHMENT #5
COUNT ROW COL

1.	1	5
2.	1	6
3.	1	7
4.	3	9
5.	19	102
6.	25	19
7.	25	86
8.	34	91
9.	44	49
10.	47	56

Total Data Items Found = 10
Total Tubes Found = 10

```
***** BWNT TUBAN II (Version 2.1) 10/30/1995 13:50:24 *****
***** Catawba Nuclear Station - Unit Two *****
***** S/G B *****
***** 10/95 RFO *****
*****
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STEAM GENERATOR REPAIR LIST -- ATTACHMENT #6
COUNT ROW COL

1.	35	38
2.	36	56

Total Data Items Found = 2
Total Tubes Found = 2

*****	BWNT TUBAN II (Version 2.1)	10/30/1995 13:49:37	*****
*****	Catawba Nuclear Station - Unit Two		*****
*****	S/G C		*****
*****	10/95 RFO		*****
*****			*****

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STEAM GENERATOR REPAIR LIST -- ATTACHMENT #7
COUNT ROW COL

1.	13	15
2.	18	45
3.	19	85
4.	20	109
5.	32	79

Total Data Items Found = 5
Total Tubes Found = 5

***** BWNT TUBAN II (Version 2.1) 10/30/1995 13:48:40 *****
***** Catawba Nuclear Station - Unit Two *****
***** S/G D *****
***** 10/95 RFO *****

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STEAM GENERATOR REPAIR LIST -- ATTACHMENT #8
COUNT ROW COL

1.	2	1
2.	6	19
3.	7	26
4.	15	29
5.	20	40
6.	20	46

Total Data Items Found = 6
Total Tubes Found = 6