

St. Lucie Unit 2  
Docket No. 50-389  
L-99-019 Attachment

**Steam Generator Tube Inservice Inspection**

**St. Lucie Unit 2**

**Special Report**

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PDR ADOCK 05000389  
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FORM NIS-BB OWNERS' DATA REPORT FOR EDDY CURRENT EXAMINATION RESULTS  
As required by the provisions of the ASME CODE RULES

EDDY CURRENT EXAMINATION RESULTS

PLANT: St. Lucie Unit 2

EXAMINATION DATE: November 13, 1998 thru November 20, 1998

STEAM GENERATOR	TOTAL TUBES INSPECTED	TOTAL TUBES 20%-39%	TOTAL TUBES $\geq$ 40%, VOL, Circ. & Axial	TUBES PLUGGED AS PREVENTIVE MAINTENANCE	TUBES PLUGGED THIS OUTAGE	TOTAL PLUGGED TUBES IN S/G
A	8104	199	8 <sub>(1)</sub>	2	12 <sub>(3)</sub>	319
B	8143	133	10 <sub>(2)</sub>	0	11 <sub>(4)</sub>	279

LOCATION OF INDICATIONS  
(20% - 100%, VOL, C?I & A?)

STEAM GENERATOR	U BENDS DHB to DCB	EGGCRATES 1 to 7		PARTIAL SUPPORTS 8 AND 9		TOP OF TUBE SHEET TO #1 EGGCRATE		Total Indications 20%-39%	Total Indications $\geq$ 40%, VOL, Circ. & Axial
		H/L	C/L	H/L	C/L	H/L	C/L		
A	194	0	1	5	1	6	0	199	8
B	132	0	2	2	0	7	0	133	10

Remarks:

- 1) Consisted of two  $\geq$  40% wear flaws and six axial flaws at the hot leg tubesheet .
- 2) Consisted of three  $\geq$  40% wear flaws, six axial and one circumferential at the hot leg tubesheet.
- 3) Includes two loose part indications (LPI).
- 4) Includes one loose part indication.
- 5) VOL - Volumetric Flaw

DATE: 1/13/99

PREPARED BY: Wolfgang K. Heiser  
S/G EDDY CURRENT COORDINATOR

DATE: 1/13/99

REVIEWED BY: John P. O'Leary  
INSPECTIONS SUPERVISOR

DATE: 1/14/99

REVIEWED BY: H. F. Boyer  
S/G TECHNICAL SPECIALIST

CUMULATIVE DISTRIBUTION SUMMARY  
 ST. LUCIE UNIT # 2  
 11/98

COMPONENT : STG #A

Page : 1  
 Date : 01/05/99

Examination Dates : 11/13/98 thru 11/20/98

Total Number of Tubes Inspected .....: 8104

Total Indications

Between 20% and 39% .....: 199  
 Greater than or equal to 40% ...: 2

Total Volumetric type Indications ...: 0  
 Total Axial Sludge Pile Indications ...: 6  
 Total Circumferential Indications ...: 0

Total Tubes Plugged as Preventive Maint : 2  
 Total Tubes Plugged This Outage.....: 12

Location Of Indications 20% to 100%

Hot Leg	Cold Leg
TSH -.5 to 01H -2.1 : 6	TSC -.5 to 01C -2.1 : 0
01H -2.0 to 07H +2.0 : 0	01C -2.0 to 07C +2.0 : 1
07H +2.1 to DHB -3.1 : 5	07C +2.1 to DCB -3.1 : 1
DHB -3.0 to DCB -3.0 : 194	



CUMULATIVE DISTRIBUTION SUMMARY  
 ST. LUCIE UNIT # 2  
 11/98

COMPONENT : STG #B

Page : 1  
 Date : 01/05/99

Examination Dates : 11/13/98 thru 11/20/98

Total Number of Tubes Inspected .....: 8143

Total Indications

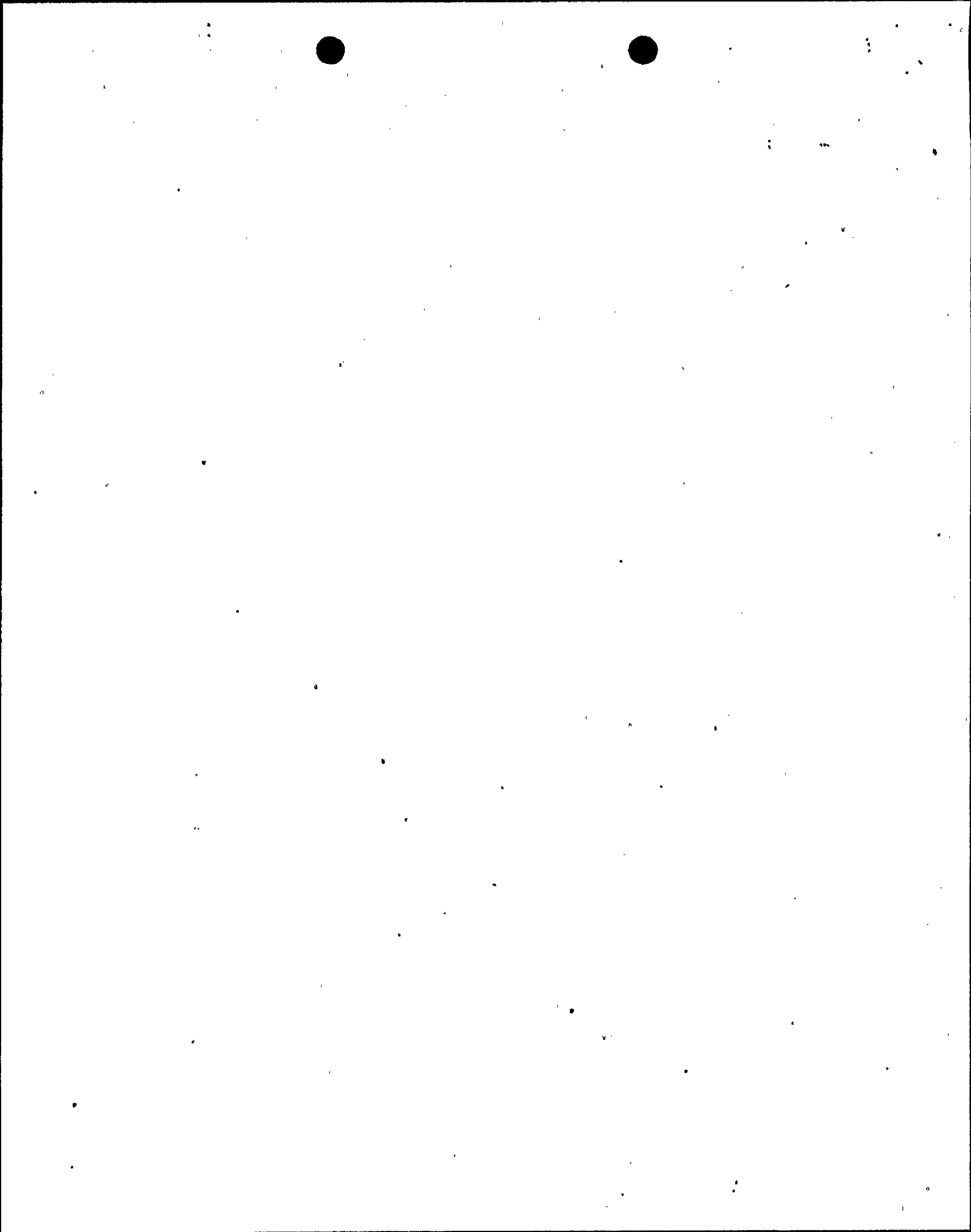
Between 20% and 39% .....: 133  
 Greater than or equal to 40% ....: 3

Total Volumetric type Indications ...: 0  
 Total Axial Sludge Pile Indications ...: 6  
 Total Circumferential Indications ...: 1

Total Tubes Plugged as Preventive Maint : 0  
 Total Tubes Plugged This Outage.....: 11

Location Of Indications 20% to 100%

Hot Leg	Cold Leg
TSH -.5 to 01H -2.1 : 7	TSC -.5 to 01C -2.1 : 0
01H -2.0 to 07H +2.0 : 0	01C -2.0 to 07C +2.0 : 2
07H +2.1 to DHB -3.1 : 2	07C +2.1 to DCB -3.1 : 0
DHB -3.0 to DCB -3.0 : 132	



INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
DESCRIPTION : 20% TO 39%

Page : 1  
Date : 1/ 5/99  
Time : 14:07:10

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	Location	N/A			
								Volts	Deg	Ch	%			Volts	Deg	Ch	%
88	20	C		TEHTECPS	AC042	A-600-M/ULC	VS2	-.9	.3	P 2	21						
89	21	C		TEHTECPS	AC043	A-600-M/ULC	VS2	.7	.6	P 2	31						
86	22	C		TEHTECPS	AC043	A-600-M/ULC	VS2	1.0	.3	P 2	24						
		C		TEHTECRC	AC043	A-600-M/ULC	VS3	-.8	1.1	P 2	35						
		C		TEHTECPS	AC043	A-600-M/ULC	VS3	.8	.4	P 2	24						
		C		TEHTEPC	AC043	A-600-M/ULC	VS4	.9	.3	P 2	22						
90	24	C		TEHTECPS	AC043	A-600-M/ULC	VS3	-.7	.5	P 2	27						
92	26	C		TEHTECPS	AC042A	A-600-M/ULC	VS4	.6	.8	P 2	30						
		C		TEHTECPS	AC042A	A-600-M/ULC	VS4	-.9	.5	P 2	26						
98	26	C		TEHTECRC	AC043A	A-600-M/ULC	08H	-1.0	.2	P 2	20						
88	28	C		TEHTECPC	AC042	A-600-M/ULC	VS3	-.9	.4		23						
		C		TEHTECPS	AC042	A-600-M/ULC	VS4	-.1	.6	P 2	27						
98	28	C		TEHTECPS	AC043A	A-600-M/ULC	VS2	.9	.3	P 2	20						
		C		TEHTECPS	AC043A	A-600-M/ULC	VS4	.5	.8	P 2	34						
81	29	C		TEHTECPS	AC043	A-600-M/ULC	VS3	-.8	.3	P 2	22						
		C		TEHTECPS	AC043	A-600-M/ULC	VS3	.0	.6	P 2	31						
		C	GNL	TEHTECLR	AC043	A-600-M/ULC	VS3	.7	.9	P 2	36						
		C		TEHTECPS	AC043	A-600-M/ULC	VS4	-.8	.7	P 2	32						
96	30	C		TEHTEC	AC042	A-600-M/ULC	VS2	.9	.4	P 2	24						
		C		TEHTEC	AC042	A-600-M/ULC	VS3	.9	.4	P 2	23						
98	30	C		TEHTECPS	AC043	A-600-M/ULC	VS2	.5	.3	P 2	22						
105	33	C		TEHTECPS	AC043	A-600-M/ULC	VS2	.4	.5	P 2	27						
92	34	C	GYL	TEHTECLR	AC042	A-600-M/ULC	VS4	.6	1.4	P 2	38						
82	40	C		TEHTECPS	AC045	A-600-M/ULC	VS3	-.8	.4	P 2	20						
72	42	C		TEHTECPS	AC048	A-600-M/ULC	VS3	.8	.5	P 2	21						
82	44	C		TEHTECPS	AC045	A-600-M/ULC	VS2	.8	.9	P 2	32						
122	44	C		TEHTECPS	AC045	A-600-M/ULC	DCT	.0	.7	P 2	27						
111	47	C		TEHTECPS	AC030	A-600-M/ULC	VS3	-.6	1.7	P 2	37						
		C	GNL	TEHTECLR	AC030	A-600-M/ULC	VS4	-1.0	1.1	P 2	30						
3	49	C		TEHTECRC	AC019	A-580-LRBS	02C	-.8	.5	P 2	21						
41	49	C		TEHTECPS	AC002	A-600-M/ULC	VS3	-.9	.6	P 2	23						
75	49	C		TEHTECPS	AC020	A-600-M/ULC	VS3	-.6	.5	P 2	21						
124	50	C		TEHTECPS	AC028	A-600-M/ULC	VS1	.8	.6	P 2	21						
		C		TEHTECPS	AC028	A-600-M/ULC	VS2	-.9	1.0	P 2	28						
126	50	C		TEHTECPS	AC029	A-600-M/ULC	08H	-.2	.4	P 2	20						
78	52	C		TEHTECPS	AC021	A-600-M/ULC	VS4	1.0	.9	P 2	32						
84	52	C		TEHTECPS	AC030	A-600-M/ULC	VS3	.6	1.1	P 2	29						
		C		TEHTECRC	AC030	A-600-M/ULC	VS4	.5	.7	P 2	23						
128	52	C		TEHTECRC	AC028	A-600-M/ULC	DHT	.0	.6	P 2	21						
126	54	C		TEHTECLC	AC029	A-600-M/ULC	VS1	.9	.5	P 2	22						
95	57	C		TEHTECPS	AC030	A-600-M/ULC	VS2	.9	.5	P 2	20						
129	57	C		TEHTECPS	AC029	A-600-M/ULC	DCT	.0	.6	P 2	26						
92	58	C		TEHTECPS	AC030	A-600-M/ULC	VS4	.0	1.3	P 2	32						





INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
DESCRIPTION : 20% TO 39%

Page : 2  
Date : 1/ 5/99  
Time : 14:07:13

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	Location	N/A				
								Volts	Deg	Ch	%			Volts	Deg	Ch	%	
		C		TEHTECPS	AC030	A-600-M/ULC	VS4	-.8	.9	P	2	26						
96	58	C		TEHTECPS	AC030	A-600-M/ULC	VS4	-.1	.7	P	2	24						
132	58	C		TEHTECPS	AC028	A-600-M/ULC	DHB	.0	.5	P	2	20						
93	59	C		TEHTECPS	AC031	A-600-M/ULC	VS4	-.7	.6	P	2	25						
95	59	C		TEHTECPS	AC030	A-600-M/ULC	VS3	.6	.6	P	2	23						
78	62	C		TEHTECPS	AC021	A-600-M/ULC	VS2	.6	.8	P	2	28						
		C		TEHTECPS	AC021	A-600-M/ULC	VS3	-.8	.4	P	2	21						
		C		TEHTECPS	AC021	A-600-M/ULC	VS4	.8	.4	P	2	20						
19	63	C		TEHTECPS	AC016	A-600-M/ULC	VS3	-.3	.5	P	2	20						
21	63	C		TEHTECPS	AC017	A-600-M/ULC	VS3	-.5	.4	P	2	23						
39	63	C		TEHTECPS	AC003	A-600-M/ULC	VS3	-.9	.7	P	2	24						
133	63	C		TEHTECPS	AC029	A-600-M/ULC	VS1	.9	.5	P	2	22						
135	63	C		TEHTECRC	AC028	A-600-M/ULC	09H	.9	.6	P	2	21						
		C		TEHTECPS	AC028	A-600-M/ULC	VS1	-.9	1.3	P	2	31						
20	64	C		TEHTECPS	AC016	A-600-M/ULC	VS3	-.8	.5	P	2	20						
94	64	C		TEHTECPS	AC033	A-600-M/ULC	VS2	1.0	.9	P	2	33						
		C		TEHTECPS	AC033	A-600-M/ULC	VS4	-.7	.6	P	2	26						
128	64	C		TEHTECPS	AC028	A-600-M/ULC	VS1	.7	.7	P	2	22						
31	67	C		TEHTECPS	AC003	A-600-M/ULC	DCB	.0	.7	P	2	23						
79	67	C		TEHTECPS	AC020	A-600-M/ULC	VS2	-.7	.5	P	2	20						
34	68	C		TEHTEC	AC004	A-600-M/ULC	DHB	.3	.5	P	2	22						
35	69	C		TEHTECPS	AC071	A-600-M/ULC	DCB	.0	1.2	P	2	31						
37	69	C		TEHTECPS	AC072	A-600-M/ULC	DHB	.1	.5	P	2	23						
		C		TEHTECPS	AC072	A-600-M/ULC	DCB	-.4	.8	P	2	32						
42	70	C	GNL	TEHTECLR	AC072	A-600-M/ULC	DCB	-.6	1.1	P	2	38						
44	70	C		TEHTECPS	AC071	A-600-M/ULC	DCB	.0	.6	P	2	22						
136	70	C		TEHTECPS	AC032	A-600-M/ULC	VS1	-.8	.9	P	2	25						
43	71	C		TEHTECPS	AC071	A-600-M/ULC	DCB	-.4	.6	P	2	23						
45	71	C		TEHTECPS	AC072	A-600-M/ULC	DCB	-.7	.5	P	2	23						
95	71	C		TEHTECPC	AC036	A-600-M/ULC	VS2	.8	.6	P	2	21						
40	72	C		TEHTECPS	AC071	A-600-M/ULC	DHB	.0	1.5	P	2	35						
		C		TEHTECPS	AC071	A-600-M/ULC	DCT	.0	1.3	P	2	32						
42	72	C		TEHTECPS	AC072	A-600-M/ULC	DHB	.0	.9	P	2	33						
		C		TEHTECPS	AC072	A-600-M/ULC	DCT	.6	.7	P	2	28						
44	72	C		TEHTEC	AC071	A-600-M/ULC	DHB	.0	.7	P	2	23						
48	72	C		TEHTECPS	AC071	A-600-M/ULC	VS3	.6	.4	P	2	20						
50	72	C		TEHTECPS	AC072	A-600-M/ULC	DCB	.0	.5	P	2	22						
126	72	C		TEHTECPS	AC033	A-600-M/ULC	08H	.9	.5	P	2	23						
134	72	C		TEHTECPS	AC033	A-600-M/ULC	VS1	.9	.3	P	2	20						
43	73	C		TEHTECPS	AC071	A-600-M/ULC	DHB	.0	.7	P	2	25						
49	73	C		TEHTECPS	AC072	A-600-M/ULC	DCB	-.1	.5	P	2	22						
135	73	C		TEHTECPS	AC032	A-600-M/ULC	VS1	.8	1.0	P	2	26						
		C		TEHTECPS	AC032	A-600-M/ULC	VS4	1.0	.8	P	2	24						

INDICATIONS/TRENDING REPORT

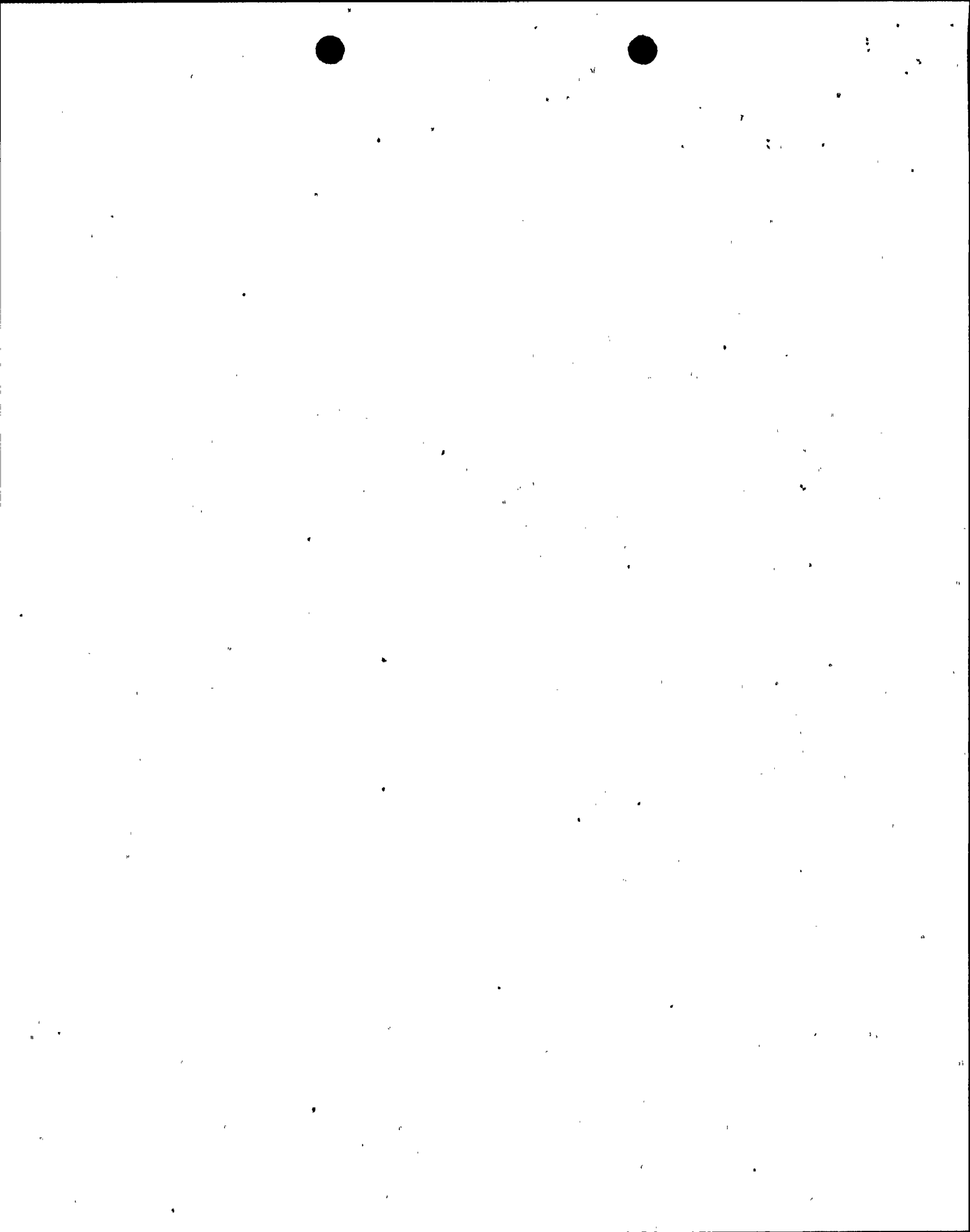
PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
 DESCRIPTION : 20% TO 39%

Page : 3  
 Date : 1/ 5/99  
 Time : 14:07:13

										11/98				N/A			
Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
46	74	C		TEHTECLR	AC072	A-600-M/ULC	DHB .0	.5	P 2	22							
82	74	C		TEHTECPS	AC037	A-600-M/ULC	VS2 -.7	.5	P 2	25							
57	75	C		TEHTECPS	AC072	A-600-M/ULC	VS3 -.7	.4	P 2	22							
46	76	C	GNL	TEHTECLR	AC072	A-600-M/ULC	DHT -.4	.9	P 2	33							
48	76	C		TEHTECPS	AC071	A-600-M/ULC	DCB .0	.5	P 2	20							
45	77	C		TEHTECPC	AC072	A-600-M/ULC	DHB .3	.7	P 2	28							
		C		TEHTECSS	AC072	A-600-M/ULC	DCT .4	1.0	P 2	30							
47	77	C		TEHTECPC	AC071	A-600-M/ULC	DCT .0	1.6	P 2	30							
51	77	C		TEHTECPC	AC071	A-600-M/ULC	DCT .0	1.3	P 2	33							
53	77	C		TEHTECPS	AC072	A-600-M/ULC	DHB .1	.7	P 2	30							
57	77	C		TEHTECRC	AC072	A-600-M/ULC	DCT .0	.6	P 2	25							
46	78	C		TEHTECPS	AC072	A-600-M/ULC	DHB -.3	.4	P 2	22							
50	78	C		TEHTECPS	AC072	A-600-M/ULC	DHB .0	1.1	P 2	37							
72	78	C		TEHTECPS	AC071	A-600-M/ULC	VS4 -.5	.8	P 2	25							
96	78	C		TEHTECPS	AC038	A-600-M/ULC	VS3 -.4	.9	P 2	28							
49	79	C		TEHTECPS	AC074	A-600-M/ULC	DHT .0	.8	P 2	33							
		C		TEHTECPS	AC074	A-600-M/ULC	VS3 .2	.9	P 2	33							
		C	GNL	TEHTECLR	AC074	A-600-M/ULC	VS3 .8	1.1	P 2	38							
		C		TEHTECLR	AC074	A-600-M/ULC	DCT .0	.8	P 2	32							
61	79	C		TEHTECPS	AC074	A-600-M/ULC	DCB .0	.7	P 2	30							
62	80	C		TEHTECPS	AC074	A-600-M/ULC	DCB .0	.7	P 2	30							
47	81	C		TEHTECLR	AC073	A-600-M/ULC	DHB .0	.6	P 2	22							
		C		TEHTEC	AC073	A-600-M/ULC	VS3 -1.0	.9	P 2	27							
		C	GNL	TEHTECLR	AC073	A-600-M/ULC	DCT .0	1.7	P 2	38							
53	81	C		TEHTECPS	AC074	A-600-M/ULC	DHB .0	.6	P 2	27							
		C		TEHTECPS	AC074	A-600-M/ULC	DCT .0	.9	P 2	34							
55	81	C		TEHTEC	AC073	A-600-M/ULC	DCT .0	1.4	P 2	35							
60	82	C		TEHTEC	AC073	A-600-M/ULC	DHB .0	.6	P 2	23							
85	83	C		TEHTECPC	AC041	A-600-M/ULC	VS2 -.8	.4	P 2	21							
48	84	C		TEHTEC	AC073	A-600-M/ULC	DCT .0	.8	P 2	26							
52	84	C		TEHTEC	AC073	A-600-M/ULC	DCT .0	.6	P 2	22							
56	84	C		TEHTEC	AC073	A-600-M/ULC	DCB .0	.5	P 2	21							
49	85	C	GNL	TEHTECLR	AC074	A-600-M/ULC	DCB .0	1.3	P 2	39							
51	85	C		TEHTEC	AC073	A-600-M/ULC	DHB .0	1.3	P 2	32							
		C		TEHTEC	AC073	A-600-M/ULC	DCB .0	.5	P 2	21							
57	85	C		TEHTECLR	AC074	A-600-M/ULC	DCB .0	.9	P 2	33							
56	86	C		TEHTEC	AC073	A-600-M/ULC	DCB .0	1.2	P 2	32							
58	86	C		TEHTECPS	AC074	A-600-M/ULC	DCB .0	.6	P 2	29							
92	86	C		TEHTECPS	AC070	A-600-M/ULC	VS2 .8	.6	P 2	24							
		C		TEHTECPS	AC070	A-600-M/ULC	VS3 -1.0	1.4	P 2	34							
		C		TEHTECPS	AC070	A-600-M/ULC	VS4 -.8	.4	P 2	20							
140	86	C		TEHTECPS	AC034	A-600-M/ULC	DCT .0	1.4	P 2	35							
49	87	C		TEHTECLR	AC074	A-600-M/ULC	DCT .0	1.0	P 2	36							



INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
 DESCRIPTION : 20% TO 39%

Page : 4  
 Date : 1/ 5/99  
 Time : 14:07:13

										11/98				N/A			
Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
51	87	C		TEHTEC	AC073	A-600-M/ULC	DHB	.0	.6	P 2	23						
		C		TEHTEC	AC073	A-600-M/ULC	DCT	.0	1.2	P 2	31						
55	87	C		TEHTEC	AC073	A-600-M/ULC	DHB	.0	.7	P 2	25						
		C		TEHTEC	AC073	A-600-M/ULC	VS3	-.7	.5	P 2	21						
		C		TEHTEC	AC073	A-600-M/ULC	DCT	.0	.7	P 2	23						
59	87	C		TEHTEC	AC073	A-600-M/ULC	DHB	.0	.4	P 2	20						
93	87	C		TEHTECPS	AC041	A-600-M/ULC	VS2	-.7	.5	P 2	24						
97	87	C		TEHTEC	AC041	A-600-M/ULC	VS2	-.6	.4	P 2	22						
46	88	C		TEHTECLR	AC078	A-600-M/ULC	DHT	.0	1.1	P 2	31						
		C		TEHTECLR	AC078	A-600-M/ULC	DCT	.0	1.0	P 2	30						
50	88	C		TEHTECPS	AC078	A-600-M/ULC	DHT	.0	.9	P 2	29						
		C		TEHTECPS	AC078	A-600-M/ULC	DCB	.0	.9	P 2	28						
52	88	C		TEHTECPS	AC077	A-600-M/ULC	DCT	.0	.5	P 2	20						
		C		TEHTECPS	AC077	A-600-M/ULC	DCB	.0	.5	P 2	21						
56	88	C		TEHTECPS	AC077	A-600-M/ULC	DCT	.0	.5	P 2	21						
94	88	C		TEHTEC	AC041	A-600-M/ULC	VS2	-.9	.4	P 2	21						
		C		TEHTEC	AC041	A-600-M/ULC	VS4	1.0	.5	P 2	24						
95	89	C		TEHTECSS	AC040	A-600-M/ULC	VS4	-.5	.8	P 2	23						
47	91	C		TEHTECPS	AC077	A-600-M/ULC	DHB	.0	.6	P 2	21						
139	91	C		TEHTECPS	AC034	A-600-M/ULC	DHT	.0	1.0	P 2	29						
52	92	C		TEHTECPS	AC077	A-600-M/ULC	VS3	.9	.9	P 2	26						
97	93	C		TEHTECPS	AC043	A-600-M/ULC	VS2	-.9	.2	P 2	20						
		C		TEHTECPS	AC043	A-600-M/ULC	VS3	.8	.6	P 2	31						
44	94	C		TEHTECPS	AC077	A-600-M/ULC	DHB	.0	.6	P 2	21						
38	96	C		TEHTECPS	AC078	A-600-M/ULC	DCB	.0	.6	P 2	23						
48	96	C		TEHTECPS	AC077	A-600-M/ULC	VS3	-.9	.5	P 2	20						
94	96	C	GNL	TEHTECLR	AC043	A-600-M/ULC	VS2	-.8	.8	P 2	30						
		C		TEHTECPS	AC043	A-600-M/ULC	VS4	1.1	.3	P 2	24						
47	97	C		TEHTECPS	AC079	A-600-M/ULC	VS3	.6	.8	P 2	25						
		C		TEHTECPS	AC079	A-600-M/ULC	DCB	.0	.6	P 2	21						
135	97	C		TEHTECSS	AC036	A-600-M/ULC	VS3	.9	.6	P 2	21						
138	98	C		TEHTECPS	AC037	A-600-M/ULC	DHT	.0	1.0	P 2	36						
37	99	C		TEHTECPS	AC080	A-600-M/ULC	DCB	.0	.5	P 2	22						
45	99	C		TEHTECPS	AC080	A-600-M/ULC	VS3	-.8	.5	P 2	21						
46	100	C		TEHTECPS	AC006	A-600-M/ULC	VS3	.6	.6	P 2	26						
48	100	C		TEHTECPS	AC005	A-600-M/ULC	DCB	.0	.7	P 2	24						
54	100	C		TEHTECPS	AC021	A-600-M/ULC	VS3	.7	.7	P 2	27						
31	101	C		TEHTECPS	AC005	A-600-M/ULC	DCT	.0	1.5	P 2	35						
134	102	C		TEHTECSS	AC025	A-600-M/ULC	DCT	.0	.7	P 2	24						
91	103	C		TEHTEC	AC022	A-600-M/ULC	VS4	-.9	.5	P 2	20						
24	104	C		TEHTECPS	AC005	A-600-M/ULC	VS3	.2	.5	P 2	20						
95	105	C		TEHTECPS	AC022	A-600-M/ULC	VS3	.9	.5	P 2	21						
53	107	C		TEHTECPS	AC021	A-600-M/ULC	VS3	.6	.5	P 2	21						



INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
DESCRIPTION : 20X TO 39X

Page : 5  
Date : 1/ 5/99  
Time : 14:07:13

-----																		
Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	N/A					
								Volts	Deg	Ch	%		Location	Volts	Deg	Ch	%	
-----																		
96	108	C		TEHTECPC	AC022	A-600-H/ULC	VS2	-.8	.8	P 2	26							
		C		TEHTEC	AC022	A-600-H/ULC	VS3	-.9	1.0	P 2	29							
46	112	C		TEHTECPS	AC006	A-600-H/ULC	VS3	.7	.4	P 2	20							
123	113	C		TEHTEC	AC026	A-600-H/ULC	VS4	.7	.6	P 2	21							
47	115	C		TEHTECPS	AC007	A-600-H/ULC	VS3	-.9	.6	P 2	21							
		C		TEHTECPS	AC007	A-600-H/ULC	VS3	.9	.5	P 2	20							
94	120	C		TEHTECPS	AC025	A-600-H/ULC	VS2	.7	.8	P 2	31							
		C		TEHTECPS	AC025	A-600-H/ULC	VS3	-.8	.4	P 2	21							
		C		TEHTECPS	AC025	A-600-H/ULC	VS4	-.5	.6	P 2	26							
102	120	C		TEHTECPS	AC025	A-600-H/ULC	VS3	-.7	.4	P 2	22							
126	120	C		TEHTECPS	AC027	A-600-H/ULC	08H	-.9	.7	P 2	28							
97	121	C		TEHTECPS	AC025	A-600-H/ULC	08C	.7	.6	P 2	26							
125	121	C		TEHTECPS	AC027	A-600-H/ULC	DCT	.0	.7	P 2	26							
53	127	H		TECTEHLR	AH153	A-600-H/ULC	VS3	.7	1.1	P 2	26							
97	127	C		TEHTECPS	AC094	A-600-H/ULC	VS3	.9	.6	P 2	22							
92	128	C		TEHTECPS	AC095	A-600-H/ULC	VS2	.6	.5	P 2	20							
96	128	C		TEHTECPS	AC095	A-600-H/ULC	VS2	-.7	.5	P 2	20							
87	129	C		TEHTECPS	AC095	A-600-H/ULC	VS3	.9	1.4	P 2	33							
93	131	C		TEHTECPS	AC094	A-600-H/ULC	VS2	.7	1.0	P 2	30							
92	132	C		TEHTECPS	AC095	A-600-H/ULC	VS2	.8	.6	P 2	22							
57	133	H		TECTEHPS	AH156	A-600-H/ULC	VS3	.6	1.0	P 2	25							
97	133	C		TEHTECPS	AC097	A-600-H/ULC	VS2	-.7	.7	P 2	22							
96	134	C		TEHTECPS	AC096	A-600-H/ULC	VS3	-.8	.5	P 2	20							
96	138	C		TEHTECPS	AC096	A-600-H/ULC	VS3	-.9	.8	P 2	26							
87	143	C		TEHTECPS	AC096	A-600-H/ULC	VS3	.8	.8	P 2	26							
56	152	H		TECTEH	AH146	A-600-H/ULC	VS3	-1.0	.6	P 2	20							
51	157	H		TECTEHPS	AH150	A-600-H/ULC	VS3	-.4	.7	P 2	21							
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Number of RECORDS Selected from Current Outage : 199  
Number of TUBES Selected from Current Outage : 153

INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #A  
 DESCRIPTION : 40X TO 100X

Page : 1  
 Date : 1/ 5/99  
 Time : 14:07:32

-----																
Row	Lin	Leg	***	Tst/Note	Reel	Probe	Location	11/98			Diff	Location	N/A			
								Volts	Deg	Ch	%		Volts	Deg	Ch	%
-----																
48	84	C		TEHTECLC	AC073	A-600-M/ULC	DCB .0	2.0		P 2	40					
49	85	C		TEHTECLC	AC074	A-600-M/ULC	DHB .0	1.5		P 2	42					
-----																

Number of RECORDS Selected from Current Outage : 2  
 Number of TUBES Selected from Current Outage : 2



## INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #8  
DESCRIPTION : 20% TO 39%Page : 1  
Date : 1/ 5/99  
Time : 14:10:34

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	Location	N/A				
								Volts	Deg	Ch	%			Volts	Deg	Ch	%	
96	24	C		TEHTECPS BC052		A-600-M/ULC	08H	-1.0	.9	P 2	24							
		C		TEHTECPS BC052		A-600-M/ULC	VS4	.9	.7	P 2	21							
98	26	C		TEHTECPS BC051		A-600-M/ULC	DCT	-.2	1.8	P 2	34							
101	27	C		TEHTECPS BC051		A-600-M/ULC	DCT	.1	1.1	P 2	26							
100	28	C		TEHTECSS BC052		A-600-M/ULC	DCT	.0	1.0	P 2	25							
95	29	C		TEHTECRC BC052		A-600-M/ULC	DCT	.4	.7	P 2	22							
97	29	C		TEHTECRC BC051		A-600-M/ULC	VS3	.7	1.8	P 2	33							
		C		TEHTEPCP BC051		A-600-M/ULC	VS4	.8	1.0	P 2	25							
96	34	C		TEHTECPS BC052		A-600-M/ULC	VS2	-.5	.8	P 2	24							
97	41	C		TEHTECPS BC056		A-600-M/ULC	VS2	.7	.7	P 2	22							
		C		TEHTECPS BC056		A-600-M/ULC	VS4	.9	.8	P 2	25							
43	47	C		TEHTECPS BC001		A-600-M/ULC	VS3	-1.2	.6	P 2	23							
68	50	C		TEHTEC	BC021	A-600-M/ULC	VS3	-1.0	.5	P 2	21							
57	51	C		TEHTECPS BC002		A-600-M/ULC	VS3	-.7	1.2	P 2	29							
127	53	C		TEHTECPS BC036		A-600-M/ULC	DCB	.0	.2	P 2	20							
131	55	C		TEHTEC	BC036	A-600-M/ULC	DCB	.0	.8	P 2	30							
132	58	C		TECTEHPS BH150		A-600-M/ULC	VS1	-.9	1.5	P 2	24							
		C		TECTEHPS BH150		A-600-M/ULC	DCB	.0	.7	P 2	21							
49	59	C		TEHTECPS BC004		A-600-M/ULC	VS3	-.9	.7	P 2	24							
131	59	C		TECTEHRC BH150		A-600-M/ULC	DCT	.0	1.2	P 2	28							
133	59	C		TECTEHPS BH150		A-600-M/ULC	DCB	.0	1.0	P 2	22							
132	60	C		TECTEHPS BH150		A-600-M/ULC	DCT	.0	.5	P 2	20							
134	60	C		TECTEHPS BH150		A-600-M/ULC	DHB	.0	.7	P 2	20							
43	61	C		TEHTECPS BC003		A-600-M/ULC	VS3	.9	.8	P 2	26							
137	67	C		TEHTEPCP BC039		A-600-M/ULC	DHT	.0	1.8	P 2	34							
34	68	C		TEHTECPS BC006		A-600-M/ULC	DCT	.0	1.1	P 2	28							
		C		TEHTECPS BC006		A-600-M/ULC	DCB	.0	1.5	P 2	33							
36	68	C		TEHTECPS BC005		A-600-M/ULC	VS3	.9	.6	P 2	23							
39	69	H		TEHTECPS BC086		A-600-M/ULC	VS3	.8	.7	P 2	22							
36	70	H		TEHTECPS BC086		A-600-M/ULC	DCB	.0	1.1	P 2	28							
40	70	H		TEHTECPS BC086		A-600-M/ULC	VS3	1.0	.6	P 2	20							
46	70	H		TEHTEC	BC087	A-600-M/ULC	VS3	.8	1.3	P 2	28							
35	71	H		TECTEHPC BH153		A-600-M/ULC	DCB	.0	1.0	P 2	26							
97	71	C		TEHTECPS BC100		A-600-M/ULC	VS4	.9	.6	P 2	20							
44	76	H		TECTEHPC BH153		A-600-M/ULC	DHB	.0	1.6	P 2	32							
52	76	H		TECTEHPC BH153		A-600-M/ULC	VS3	.7	1.0	P 2	27							
56	76	H		TECTEHPS BH153		A-600-M/ULC	VS3	.5	1.0	P 2	26							
47	77	H		TECTEHPC BH153		A-600-M/ULC	DHB	.0	.9	P 2	25							
44	78	H		TECTEHPC BH153		A-600-M/ULC	DHB	.0	1.4	P 2	30							
		H		TECTEHPC BH153		A-600-M/ULC	DCT	.0	.9	P 2	25							
		H		TECTEHPC BH153		A-600-M/ULC	DCB	.0	1.2	P 2	28							
48	78	H		TECTEHPC BH153		A-600-M/ULC	DHB	.0	.8	P 2	24							
		H		TECTEHPS BH153		A-600-M/ULC	DCB	.0	2.0	P 2	35							



INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #8  
DESCRIPTION : 20% TO 39%

Page : 2  
Date : 1/ 5/99  
Time : 14:10:37

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	Location	N/A			
								Volts	Deg	Ch	%			Volts	Deg	Ch	%
52	78	H		TECTEHPC BH153		A-600-M/ULC	VS3 .7	1.1	P 2	27							
		H		TECTEHPC BH153		A-600-M/ULC	DCT .0	.8	P 2	23							
54	78	H		TECTEHLR BH151		A-600-M/ULC	DHB -.3	.9	P 2	22							
88	78	C		TEHTEPCS BC099		A-600-M/ULC	VS2 .8	.6	P 2	21							
96	78	C		TEHTEPCP BC099		A-600-M/ULC	VS2 -.8	.8	P 2	24							
51	79	H		TECTEHPC BH153		A-600-M/ULC	DHT .0	.8	P 2	23							
52	80	H		TECTEHPC BH153		A-600-M/ULC	DHB .0	2.2	P 2	37							
		H		TECTEHPS BH153		A-600-M/ULC	VS3 .7	.7	P 2	22							
49	81	H		TECTEHRC BH151		A-600-M/ULC	DHT -.3	.9	P 2	22							
49	83	H		TECTEHPS BH151		A-600-M/ULC	DHT .0	1.3	P 2	28							
		H		TECTEHPS BH151		A-600-M/ULC	DCT .0	1.8	P 2	35							
89	83	C		TEHTEPCS BC102		A-600-M/ULC	VS3 -.8	1.3	P 2	30							
48	84	H		TECTEHPS BH157		A-600-M/ULC	DHB .0	1.4	P 2	29							
		H		TECTEHPS BH157		A-600-M/ULC	DCT .0	1.6	P 2	31							
50	84	H		TECTEHPS BH158		A-600-M/ULC	DCT .0	.8	P 2	24							
49	85	H		TECTEHSC BH158		A-600-M/ULC	DCB .0	.6	P 2	21							
57	85	H		TECTEHRC BH158		A-600-M/ULC	DCB .0	.7	P 2	21							
95	85	C		TEHTEPCS BC103		A-600-M/ULC	VS2 -1.0	.4	P 2	20							
46	86	H		TECTEHRC BH158		A-600-M/ULC	DHB .0	1.7	P 2	36							
		H		TECTEHPS BH158		A-600-M/ULC	DCT .0	.6	P 2	21							
		H		TECTEHPS BH158		A-600-M/ULC	DCB .0	.6	P 2	21							
88	86	C		TEHTEPCS BC103		A-600-M/ULC	VS3 .9	.9	P 2	27							
47	87	H	GNL	TECTEHLR BH157		A-600-M/ULC	DHT .0	2.1	P 2	38							
55	87	H		TECTEHPS BH157		A-600-M/ULC	DCT .0	1.1	P 2	26							
48	88	H		TECTEHPS BH157		A-600-M/ULC	DHB .0	1.6	P 2	32							
		H		TECTEHPS BH157		A-600-M/ULC	DCB .0	.9	P 2	23							
52	88	H		TECTEHPS BH157		A-600-M/ULC	VS3 .9	1.1	P 2	25							
51	89	H		TECTEHPS BH157		A-600-M/ULC	DHB .0	1.0	P 2	24							
44	90	H	GNL	TECTEHLR BH157		A-600-M/ULC	DHB .0	2.1	P 2	37							
54	90	H		TECTEHPS BH158		A-600-M/ULC	DCB .0	.6	P 2	21							
42	92	H	GNL	TECTEHLR BH158		A-600-M/ULC	DHB .0	2.0	P 2	38							
		H		TECTEHPS BH158		A-600-M/ULC	DCT .0	.8	P 2	23							
54	92	H		TECTEHPS BH158		A-600-M/ULC	VS3 .7	.9	P 2	26							
43	93	H		TECTEHPC BH164		A-600-M/ULC	DHT .0	1.4	P 2	28							
		H		TECTEHPC BH164		A-600-M/ULC	DCB .0	.8	P 2	22							
42	94	H		TECTEHPS BH158		A-600-M/ULC	DCB .0	1.3	P 2	30							
46	94	H		TECTEHPS BH158		A-600-M/ULC	VS3 -1.0	.9	P 2	25							
		H		TECTEHPS BH158		A-600-M/ULC	DCB .0	1.1	P 2	28							
52	94	H		TECTEHPS BH157		A-600-M/ULC	VS3 -1.0	.7	P 2	20							
		H		TECTEHPS BH157		A-600-M/ULC	DCB .0	.8	P 2	21							
35	97	H		TECTEHPS BH157		A-600-M/ULC	DHB .0	.8	P 2	20							
71	97	H		TECTEHPS BH157		A-600-M/ULC	VS4 -1.0	.8	P 2	20							
89	97	C		TEHTEPCS BC105		A-600-M/ULC	VS4 -.9	.5	P 2	20							

INDICATIONS/TRENDING REPORT

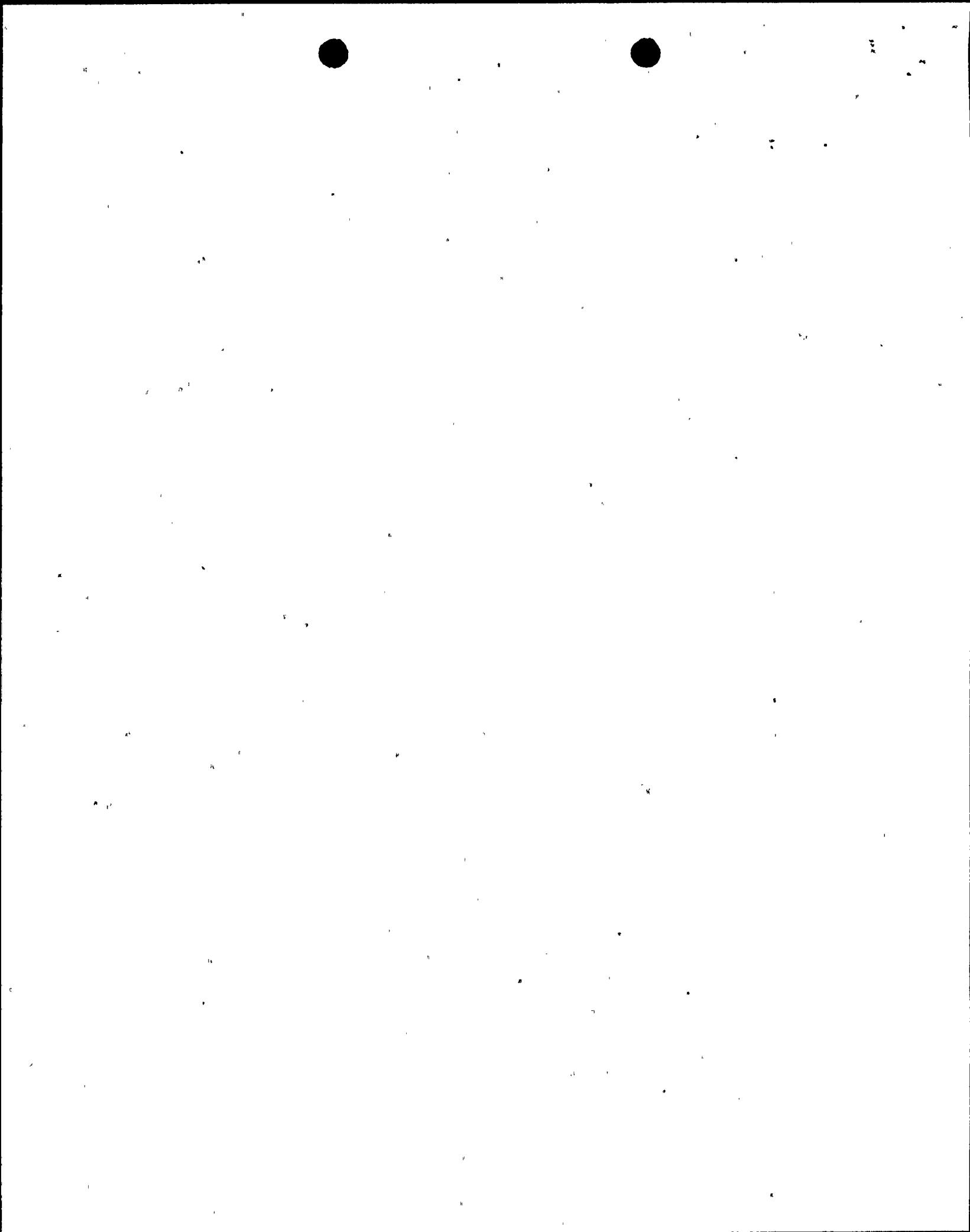
PSL-2

OUTAGE : 11/98

COMPONENT : STG #8  
DESCRIPTION : 20% TO 39%

Page : 3  
Date : 1/ 5/99  
Time : 14:10:37

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Diff	Location	N/A				
								Volts	Deg	Ch	%			Volts	Deg	Ch	%	
93	97	C		TEHTECPS	BC105	A-600-M/ULC	VS2 .9	.5	P	2	20							
34	98	H		TECTEHPS	BH158	A-600-M/ULC	DHB .1	.7	P	2	21							
37	99	H		TECTEHPS	BH158	A-600-M/ULC	DHB .0	.6	P	2	20							
		H		TECTEHPS	BH158	A-600-M/ULC	VS3 -.6	1.0	P	2	27							
		H		TECTEHPS	BH158	A-600-M/ULC	DCB .0	1.0	P	2	27							
34	100	C		TEHTECLC	BC006	A-600-M/ULC	DHB .0	.8	P	2	25							
		C		TEHTECPS	BC006	A-600-M/ULC	DHT .0	1.0	P	2	28							
94	100	C		TEHTECPS	BC028	A-600-M/ULC	VS2 -.8	1.2	P	2	29							
		C		TEHTECPS	BC028	A-600-M/ULC	VS2 .8	1.0	P	2	28							
33	101	C		TEHTECPS	BC006	A-600-M/ULC	DCT .0	.5	P	2	21							
35	101	C		TEHTECPS	BC005	A-600-M/ULC	VS3 -.8	.6	P	2	23							
47	101	C		TEHTECPS	BC005	A-600-M/ULC	VS3 .9	.4	P	2	20							
93	101	C		TEHTECPS	BC030	A-600-M/ULC	VS2 -.8	.7	P	2	22							
135	101	C		TEHTECPS	BC034	A-600-M/ULC	VS1 .8	1.1	P	2	29							
34	102	C		TEHTECPS	BC006	A-600-M/ULC	VS3 1.0	.7	P	2	24							
29	103	C		TEHTECPS	BC006	A-600-M/ULC	VS3 -.8	.5	P	2	21							
34	104	C		TEHTECPS	BC006	A-600-M/ULC	VS3 -.9	.6	P	2	23							
40	104	C		TEHTECPS	BC005	A-600-M/ULC	VS3 -.9	.8	P	2	27							
47	105	C		TEHTECPS	BC005	A-600-M/ULC	VS3 .8	.4	P	2	20							
16	106	C	GNP	TEHTECLC	BC081	A-600-M/ULC	03C .9	1.6	P	2	32							
28	106	C		TEHTECPS	BC007	A-600-M/ULC	VS3 .8	.4	P	2	20							
32	106	C		TEHTECPS	BC007	A-600-M/ULC	VS3 -.9	.6	P	2	23							
50	106	C		TEHTECPS	BC008	A-600-M/ULC	VS3 .9	.5	P	2	20							
34	108	C		TEHTECPS	BC008	A-600-M/ULC	VS3 -.8	.5	P	2	21							
96	108	C		TEHTECPS	BC029	A-600-M/ULC	VS2 -.8	.9	P	2	28							
52	110	C		TEHTECPS	BC007	A-600-M/ULC	VS3 .7	1.3	P	2	33							
89	111	C		TEHTECPS	BC031	A-600-M/ULC	VS4 -.7	.9	P	2	24							
96	114	C		TEHTECPS	BC029	A-600-M/ULC	VS2 -.9	1.2	P	2	32							
		C		TEHTECPS	BC029	A-600-M/ULC	VS2 .6	.6	P	2	23							
		C		TEHTECPS	BC029	A-600-M/ULC	VS3 -.7	.5	P	2	21							
		C		TEHTECPS	BC029	A-600-M/ULC	VS3 .3	.7	P	2	24							
		C		TEHTECPS	BC029	A-600-M/ULC	VS4 .8	.6	P	2	23							
129	115	C		TEHTECPS	BC035	A-600-M/ULC	08H .9	1.2	P	2	29							
52	116	C		TEHTECPS	BC007	A-600-M/ULC	VS3 .8	.6	P	2	23							
89	117	C		TEHTECPS	BC033	A-600-M/ULC	VS2 -.8	.7	P	2	20							
88	120	C		TEHTECPS	BC032	A-600-M/ULC	VS4 -.8	.8	P	2	25							
96	120	C		TEHTECPS	BC032	A-600-M/ULC	VS3 -.8	.4	P	2	20							
94	124	H		TECTEHPS	BH145	A-600-M/ULC	VS2 -.8	.8	P	2	23							
55	125	H		TECTEHPS	BH129	A-600-M/ULC	VS3 -.9	1.4	P	2	28							
94	126	H		TECTEHPS	BH146	A-600-M/ULC	VS2 -1.1	.6	P	2	20							
60	134	H		TECTEHPS	BH135	A-600-M/ULC	VS3 -.7	.6	P	2	20							
89	135	H		TECTEHPS	BH149	A-600-M/ULC	DCB .0	.7	P	2	21							
55	139	H		TECTEHRC	BH115	A-600-M/ULC	VS3 .7	1.1	P	2	25							



INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #8  
 DESCRIPTION : 20% TO 39%

Page : 4  
 Date : 1/ 5/99  
 Time : 14:10:37

-----																			
Row	Lin	Leg	***	Extent			Location	11/98				Location	N/A						
				Tst/Note	Reel	Probe		Volts	Deg	Ch	%		Diff	Volts	Deg	Ch	%		
-----																			
95	143	H		TECTEHPS	BH148	A-600-M/ULC	VS2	-.9	1.0	P 2	21								
96	144	H		TECTEHRC	BH154	A-600-M/ULC	DCB	.0	.9	P 2	23								
64	152	H		TECTEHPS	BH123	A-600-M/ULC	VS2	-.9	.8	P 2	20								
42	162	H		TECTEHRC	BH128	A-600-M/ULC	01C	.9	.5	P 2	20								
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Number of RECORDS Selected from Current Outage : 133  
 Number of TUBES Selected from Current Outage : 106

INDICATIONS/TRENDING REPORT

PSL-2

OUTAGE : 11/98

COMPONENT : STG #8  
 DESCRIPTION : 40% TO 100%

Page : 1  
 Date : 1/ 5/99  
 Time : 14:11:30

Row	Lin	Leg	***	Extent Tst/Note	Reel	Probe	Location	11/98				Location	N/A					
								Volts	Deg	Ch	%		Diff	Volts	Deg	Ch	%	
49	85	H		TECTEHL	BH158	A-600-M/ULC	DHT	.0	3.0	P 2	47							
46	86	H		GYLTECTEHLR	BH158	A-600-M/ULC	DHT	.0	2.3	P 2	42							
44	90	H		TECTEHL	BH157	A-600-M/ULC	DHT	.0	2.8	P 2	43							

Number of RECORDS Selected from Current Outage : 3

Number of TUBES Selected from Current Outage : 3

