Florida Power & Light Company, 6501 S. Ocean Drive, Jensen Beach, FL 34957

FPL

November 21, 2003

L-2003-252
10 CFR 50.55a
10 CFR 50.36

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Re: St. Lucie Unit 2
Docket No. 50-389
Refueling Outage SL2-14
Steam Generator Tube Inservice Inspection Special Report

Attached is the steam generator (S/G) tube inservice inspection special report required by sections 4.4.5.5.b and 6.9.2 of the St. Lucie Unit 2 Technical Specifications for the Spring 2003 refueling outage (SL2-14). The report is required to be submitted within one year of completing the refueling outage steam generator inservice inspection.

1. Inservice examination and plugging of the St. Lucie Unit 2 steam generators was completed between April 26, 2003 and May 10, 2003.

2. The location and percent of wall thickness penetration is summarized on the attached FORM NIS-BB under Location of Indications. Only mechanical wear damage was sized for through-wall depth using qualified sizing techniques and left inservice if below the Technical Specification plugging limit of 40% through-wall. No wear damage in excess of 40% was reported. A plug on detection approach was used for all other damage mechanisms during this examination.

3. The results of this examination indicate that 530 tubes required plugging. The tubes plugged are summarized in the upper section of the attached FORM NIS-BB. This section also identifies the number of tubes plugged as a preventative (PTP) measure.

4. The results of this examination indicate that 1,111 mechanical wear indications (666 in SG A and 445 in SG B) detected at support structures (eggcrates, diagonal/vertical straps), and measuring 1% to 39% through-wall, will remain in service for Cycle 14.

Please contact us should there be any questions regarding this report.

Very truly yours,

William Jefferson, Jr.
Vice President
St. Lucie Plant

WJ/spt

Attachments

A047

FORM NIS-BB OWNER'S 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
Exam Dates: April 26, 2003 to May 10, 2003

Steam Generator	Total Tubes Inspected	Total Tubes 20%-39% (5)	Total Tubes >=40% Vol, Circ. & Axial	Tubes Plugged as Preventive Maintenance (PTP)	Tubes Plugged This Outage	Total Plugged Tubes in each S/G
A	7937	223	193(1)	4(2)	197	671
B	7872	129	331(3)	2(4)	333	872

LOCATION OF INDICATIONS (20%-100%, VOL, CIRC & AXIAL)

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% (5)	Total Indications >=40%,VOL Circ. & Axial
		H/L	C/L	H/L	C/L	H/L	C/L		
A	282	225	4	7	2	26	0	297	249
B	166	439	5	3	1	25	0	171	468

LOCATION OF INDICATIONS (1%-19%)

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 1%-19% (5A)	Total Indications 1%-39% Left in Service for CY 14 (5)
		H/L	C/L	H/L	C/L	H/L	C/L		
A	346	15	5	8	5	0	0	379	666
B	247	19	9	3	4	0	0	282	445

Remarks:

(1) Three (3) tubes were plugged due to Circumferential Indications at the hot leg expansion transition

(2) Four (4) tubes were preventively plugged due to loose part wear (< 20% TW) ~ 0.25 inches above the cold leg tubesheet (TSC)

(3) Seven (7) tubes were plugged due to circumferential indications at the hot leg expansion transition.

(4) Two (2) tubes were preventively plugged due to the presence of volumetric (VOL) type indications associated with a PLP at the hot leg expansion transition.

(5) Percent through-wall penetration is given only for mechanical wear indications at structures. No wear indications exceeded the Technical Specification limit of 40% through-wall. (5A) Numbers are cumulative and include indications in tubes that are plugged for other reasons.

Acronyms: SAI– Single Axial Indication, SCI – Single Circumferential Indication, PTP – Preventative Tube Plug, TSH – Hot leg tubesheet Expansion, TSC – Cold leg Tubesheet expansion, VOL – Volumetric Indication, PLP – Possible Loose Part

St. Lucie Unit 2

Steam Generator 2A

Tubes Plugged During Refueling Outage SL2-14

Spring 2003

SG STLUCIE2A April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	13	7	ROLL	ROLL	SAI @ 03H +0.89	1	NO	0
STLUCIE2A	3	9	ROLL	ROLL	SAI @ 03H +0.56	2	NO	0
STLUCIE2A	16	14	ROLL	ROLL	SAI @ 02H -0.39	3	NO	0
STLUCIE2A	40	14	ROLL	ROLL	SAI @ 03H +0.69	4	NO	0
STLUCIE2A	27	17	ROLL	ROLL	SAI @ 03H -0.15	5	NO	0
STLUCIE2A	16	18	ROLL	ROLL	SAI @ 02H +0.57	6	NO	0
STLUCIE2A					SAI @ 02H -0.33			
STLUCIE2A	46	22	ROLL	ROLL	SAI @ 03H +0.75	7	NO	0
STLUCIE2A	3	23	ROLL	ROLL	SAI @ 03H +0.64	8	NO	0
STLUCIE2A	9	23	ROLL	ROLL	SAI @ 01H +0.84	9	NO	0
STLUCIE2A	13	25	ROLL	ROLL	SAI @ 03H +0.75	10	NO	0
STLUCIE2A	54	26	ROLL	ROLL	SAI @ 04H -0.50	11	NO	0
STLUCIE2A	84	28	ROLL	ROLL	SAI @ 02H +0.85	12	NO	0
STLUCIE2A	9	29	ROLL	ROLL	SAI @ 01H +0.76	13	NO	0
STLUCIE2A	59	29	ROLL	ROLL	SAI @ 01H +0.85	14	NO	0
STLUCIE2A					SAI @ 05H +0.93			
STLUCIE2A	82	30	ROLL	ROLL	SAI @ 03H +0.85	15	NO	0
STLUCIE2A	88	30	ROLL	ROLL	SAI @ 02H +0.62	16	NO	0
STLUCIE2A	15	31	ROLL	ROLL	SAI @ 01H +0.36	17	NO	0
STLUCIE2A	75	31	ROLL	ROLL	SAI @ 01H +0.21	18	NO	0
STLUCIE2A	43	33	ROLL	ROLL	SAI @ TSH +4.26 TO+7.09	19	NO	0
STLUCIE2A	53	33	ROLL	ROLL	SAI @ 02H +0.17	20	NO	0
STLUCIE2A	32	36	ROLL	ROLL	SAI @ 02H +0.64	21	NO	0
STLUCIE2A					SAI @ 02H -0.42			
STLUCIE2A	66	36	ROLL	ROLL	SAI @ 02H +0.46	22	NO	0
STLUCIE2A	15	37	ROLL	ROLL	SAI @ 01H +0.27	23	NO	0
STLUCIE2A	41	37	ROLL	ROLL	SAI @ 04H +0.82	24	NO	0
STLUCIE2A	82	38	ROLL	ROLL	SAI @ 01H +0.66	25	NO	0
STLUCIE2A	9	39	ROLL	ROLL	SAI @ 01H +0.31	26	NO	0
STLUCIE2A	24	40	ROLL	ROLL	SAI @ 03H +1.12	27	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	32	40	ROLL	ROLL	SAI @ 05H +0.91	28	NO	0
STLUCIE2A					SAI @ 06H +0.97			
STLUCIE2A	24	42	ROLL	ROLL	SAI @ 02H -0.23	29	NO	0
STLUCIE2A	36	42	ROLL	ROLL	SAI @ 02H +0.78	30	NO	0
STLUCIE2A	87	45	ROLL	ROLL	SAI @ 03H +0.86	31	NO	0
STLUCIE2A	24	46	ROLL	ROLL	SAI @ 02H +0.57	32	NO	0
STLUCIE2A	98	50	ROLL	ROLL	SAI @ 03H +0.71	33	NO	0
STLUCIE2A	24	52	ROLL	ROLL	SAI @ 01H +0.83	34	NO	0
STLUCIE2A	31	53	ROLL	ROLL	SAI @ 02H +0.95	35	NO	0
STLUCIE2A	43	55	ROLL	ROLL	SAI @ TSH +0.35	36	NO	0
STLUCIE2A	40	56	ROLL	ROLL	SAI @ 01H -0.57	37	NO	0
STLUCIE2A					SAI @ 03H +1.00			
STLUCIE2A	42	56	ROLL	ROLL	SAI @ 01H -0.52	38	NO	0
STLUCIE2A	13	57	ROLL	ROLL	SAI @ 01H -0.58	39	NO	0
STLUCIE2A	105	57	ROLL	ROLL	SAI @ 02H +0.44	40	NO	0
STLUCIE2A	50	58	ROLL	ROLL	SAI @ TSH +0.16	41	NO	0
STLUCIE2A	80	58	ROLL	ROLL	SAI @ 03H +0.73	42	NO	0
STLUCIE2A	15	59	ROLL	ROLL	SAI @ 02H +1.02	43	NO	0
STLUCIE2A					SAI @ 02H -0.70			
STLUCIE2A	23	59	ROLL	ROLL	SAI @ 01H +0.57	44	NO	0
STLUCIE2A	53	59	ROLL	ROLL	SAI @ TSH +0.24	45	NO	0
STLUCIE2A	55	59	ROLL	ROLL	SAI @ 02H -0.40	46	NO	0
STLUCIE2A	65	59	ROLL	ROLL	SAI @ 05H +0.70	47	NO	0
STLUCIE2A	105	59	ROLL	ROLL	SAI @ 03H +0.83	48	NO	0
STLUCIE2A					SAI @ 01H +0.92			
STLUCIE2A	10	60	ROLL	ROLL	SAI @ 01H -0.41	49	NO	0
STLUCIE2A	16	60	ROLL	ROLL	SAI @ 01H +0.04	50	NO	0
STLUCIE2A	70	60	ROLL	ROLL	SAI @ 01H -0.73	51	NO	0
STLUCIE2A	9	61	ROLL	ROLL	SAI @ 01H +0.74	52	NO	0
STLUCIE2A	13	61	ROLL	ROLL	SAI @ 02H -0.65	53	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	55	63	ROLL	ROLL	SAI @ TSH +0.35	54	NO	0
STLUCIE2A	57	63	ROLL	ROLL	SAI @ TSH +0.22	55	NO	0
STLUCIE2A	71	63	ROLL	ROLL	SAI @ 02H +0.39	56	NO	0
STLUCIE2A	81	63	ROLL	ROLL	SAI @ 05H +0.74	57	NO	0
STLUCIE2A	93	63	ROLL	ROLL	SAI @ 01H -0.48	58	NO	0
STLUCIE2A	103	63	ROLL	ROLL	SAI @ 01H +0.18	59	NO	0
STLUCIE2A					SAI @ 02H +0.23			
STLUCIE2A	56	64	ROLL	ROLL	SAI @ TSH +0.14	60	NO	0
STLUCIE2A	110	64	ROLL	ROLL	SAI @ 03H -0.08	61	NO	0
STLUCIE2A					SAI @ 03H -0.48			
STLUCIE2A	45	65	ROLL	ROLL	SAI @ 01H +3.98	62	NO	0
STLUCIE2A					SAI @ 01H -0.43			
STLUCIE2A					SAI @ 03H -0.04			
STLUCIE2A	55	65	ROLL	ROLL	SAI @ 01H -0.54	63	NO	0
STLUCIE2A					SAI @ 03H +0.99			
STLUCIE2A					SAI @ 03H +0.62			
STLUCIE2A	59	65	ROLL	ROLL	SAI @ 05H +0.93	64	NO	0
STLUCIE2A	63	65	ROLL	ROLL	SAI @ 03H +0.82	65	NO	0
STLUCIE2A	111	65	ROLL	ROLL	SAI @ 02H +0.77	66	NO	0
STLUCIE2A	117	65	ROLL	ROLL	SAI @ 03H -0.19	67	NO	0
STLUCIE2A	121	65	ROLL	ROLL	SAI @ 01H -0.57	68	NO	0
STLUCIE2A	34	66	ROLL	ROLL	SAI @ 01H -0.67	69	NO	0
STLUCIE2A	122	66	ROLL	ROLL	SAI @ 01H +0.27	70	NO	0
STLUCIE2A	121	67	ROLL	ROLL	SAI @ 03H +0.01	71	NO	0
STLUCIE2A	81	69	ROLL	ROLL	SAI @ 01H -0.46	72	NO	0
STLUCIE2A	83	69	ROLL	ROLL	SAI @ 01H -0.57	73	NO	0
STLUCIE2A					SAI @ 01H +0.89			
STLUCIE2A	85	69	ROLL	ROLL	SAI @ 01H +0.40	74	NO	0
STLUCIE2A					SAI @ 01H -0.36			
STLUCIE2A	121	69	ROLL	ROLL	SAI @ 03H -0.46	75	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	83	71	ROLL	ROLL	SAI @ 01H -0.25	76	NO	0
STLUCIE2A	105	71	ROLL	ROLL	SAI @ 03H +0.62	77	NO	0
STLUCIE2A	81	73	ROLL	ROLL	SAI @ 04H +0.74	78	NO	0
STLUCIE2A					SAI @ TSH +0.46			
STLUCIE2A					SAI @ 03H -0.15			
STLUCIE2A	98	74	ROLL	ROLL	SAI @ TSH +0.71	79	NO	0
STLUCIE2A	102	76	ROLL	ROLL	SAI @ 03H +0.27	80	NO	0
STLUCIE2A					SAI @ 01H -0.44			
STLUCIE2A	85	77	ROLL	ROLL	SAI @ 01H -0.32	81	NO	0
STLUCIE2A	103	77	ROLL	ROLL	SAI @ 01H -0.18	82	NO	0
STLUCIE2A					SAI @ 02H +0.87			
STLUCIE2A	123	77	ROLL	ROLL	SAI @ 01H +0.66	83	NO	0
STLUCIE2A					SAI @ 01H -0.71			
STLUCIE2A	102	78	ROLL	ROLL	SAI @ 01H +0.90	84	NO	0
STLUCIE2A					SAI @ 01H +0.67			
STLUCIE2A	120	78	ROLL	ROLL	SAI @ 01H +0.57	85	NO	0
STLUCIE2A	123	79	ROLL	ROLL	SAI @ 03H -0.57	86	NO	0
STLUCIE2A					SAI @ 01H +0.67			
STLUCIE2A	80	80	ROLL	ROLL	SAI @ 01H -0.83	87	NO	0
STLUCIE2A					SAI @ 04H +0.84			
STLUCIE2A					SAI @ 01H +0.39			
STLUCIE2A	88	80	ROLL	ROLL	SAI @ 01H +0.40	88	NO	0
STLUCIE2A	116	80	ROLL	ROLL	SAI @ 02H +0.52	89	NO	0
STLUCIE2A					SAI @ 02H +0.53			
STLUCIE2A	65	81	ROLL	ROLL	SAI @ 03H -0.72	90	NO	0
STLUCIE2A	79	81	ROLL	ROLL	SAI @ TSH +0.19	91	NO	0
STLUCIE2A	123	81	ROLL	ROLL	SAI @ 01H -0.74	92	NO	0
STLUCIE2A	105	83	ROLL	ROLL	SAI @ 01H -0.27	93	NO	0
STLUCIE2A					SAI @ 03H +0.67			
STLUCIE2A	80	84	ROLL	ROLL	SAI @ 02H +0.45	94	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A					SAI @ 02H +0.86			
STLUCIE2A	124	84	ROLL	ROLL	SAI @ 01H -0.20	95	NO	0
STLUCIE2A					SAI @ 01H +0.22			
STLUCIE2A					SAI @ 01H -0.63			
STLUCIE2A	118	86	ROLL	ROLL	SAI @ 03H -0.11	96	NO	0
STLUCIE2A	60	88	ROLL	ROLL	SAI @ 01H +0.68	97	NO	0
STLUCIE2A	70	88	ROLL	ROLL	SAI @ TSH +0.51	98	NO	0
STLUCIE2A	76	88	ROLL	ROLL	SAI @ TSH +0.26	99	NO	0
STLUCIE2A	95	91	ROLL	ROLL	SAI @ TSH +1.62	100	NO	0
STLUCIE2A					SAI @ TSH +1.32			
STLUCIE2A	114	92	ROLL	ROLL	SAI @ 01H -0.94	101	NO	0
STLUCIE2A	61	93	ROLL	ROLL	SAI @ 01H -0.52	102	NO	0
STLUCIE2A					SAI @ 06H +0.31			
STLUCIE2A	93	93	ROLL	ROLL	SAI @ 01H +0.52	103	NO	0
STLUCIE2A	58	94	ROLL	ROLL	SAI @ 01H +0.31	104	NO	0
STLUCIE2A					SAI @ 02H +0.67			
STLUCIE2A	114	94	ROLL	ROLL	SAI @ 01H +0.86	105	NO	0
STLUCIE2A					SAI @ 09H +0.28			
STLUCIE2A					SAI @ 01H +0.91			
STLUCIE2A	122	94	ROLL	ROLL	SAI @ 01H -0.02	106	NO	0
STLUCIE2A					SAI @ 01H -0.47			
STLUCIE2A	63	95	ROLL	ROLL	SAI @ 03H -0.40	107	NO	0
STLUCIE2A					SAI @ 01H -0.12			
STLUCIE2A	65	95	ROLL	ROLL	SAI @ 06H +0.39	108	NO	0
STLUCIE2A					SAI @ 01H -0.31			
STLUCIE2A	67	95	ROLL	ROLL	SAI @ 01H +0.81	109	NO	0
STLUCIE2A	71	95	ROLL	ROLL	SAI @ 01H +0.69	110	NO	0
STLUCIE2A	87	95	ROLL	ROLL	SAI @ TSH +1.32	111	NO	0
STLUCIE2A	52	96	ROLL	ROLL	SAI @ 04H +0.33	112	NO	0
STLUCIE2A	92	96	ROLL	ROLL	SAI @ 01H +0.47	113	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	106	96	ROLL	ROLL	SAI @ 02H +0.86	114	NO	0
STLUCIE2A	53	97	ROLL	ROLL	SAI @ 04H -0.61	115	NO	0
STLUCIE2A	122	98	ROLL	ROLL	SAI @ 01H +0.47	116	NO	0
STLUCIE2A	65	99	ROLL	ROLL	SAI @ 01H +0.33	117	NO	0
STLUCIE2A	87	99	ROLL	ROLL	SAI @ 01H -0.79	118	NO	0
STLUCIE2A					SAI @ 01H +0.26			
STLUCIE2A	40	100	ROLL	ROLL	SAI @ 01H +0.80	119	NO	0
STLUCIE2A	44	100	ROLL	ROLL	SAI @ 06H +0.75	120	NO	0
STLUCIE2A	45	101	ROLL	ROLL	SAI @ 01H -0.27	121	NO	0
STLUCIE2A	49	101	ROLL/STAB	ROLL	SCI @ TSH -0.18	122	YES	0
STLUCIE2A	73	101	ROLL	ROLL	SAI @ 01H +0.64	123	NO	0
STLUCIE2A	79	101	ROLL	ROLL	SAI @ 02H +0.47	124	NO	0
STLUCIE2A	86	102	ROLL	ROLL	SAI @ TSH +1.07	125	NO	0
STLUCIE2A	114	102	ROLL	ROLL	SAI @ 01H +0.20	126	NO	0
STLUCIE2A	29	105	ROLL	ROLL	SAI @ TSH -1.31	127	NO	0
STLUCIE2A					SAI @ TSH -1.89			
STLUCIE2A					SAI @ TSH -1.53			
STLUCIE2A					SAI @ TSH -1.74			
STLUCIE2A	55	105	ROLL	ROLL	SAI @ 02H +0.41	128	NO	0
STLUCIE2A	14	106	ROLL	ROLL	SAI @ 01H -0.92	129	NO	0
STLUCIE2A					SAI @ 01H +0.47			
STLUCIE2A	60	106	ROLL/STAB	ROLL	SCI @ TSH -0.11	130	YES	0
STLUCIE2A	68	106	ROLL	ROLL	SAI @ 01H +0.43	131	NO	0
STLUCIE2A	27	107	ROLL	ROLL	SAI @ TSH -0.56	132	NO	0
STLUCIE2A	52	108	ROLL	ROLL	SAI @ 01H +0.07	133	NO	0
STLUCIE2A	114	108	ROLL	ROLL	SAI @ 02H +0.60	134	NO	0
STLUCIE2A					SAI @ 02H -0.66			
STLUCIE2A	13	109	ROLL	ROLL	SAI @ 01H -0.25	135	NO	0
STLUCIE2A	63	109	ROLL	ROLL	SAI @ 02H +0.88	136	NO	0
STLUCIE2A	65	109	ROLL	ROLL	SAI @ 03H +0.42	137	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A					SAI @ 03H +0.24			
STLUCIE2A					SAI @ 03H -0.55			
STLUCIE2A	42	110	ROLL	ROLL	SAI @ TSH -1.43	138	NO	0
STLUCIE2A	52	110	ROLL	ROLL	SAI @ 01H -0.33	139	NO	0
STLUCIE2A	122	110	ROLL	ROLL	SAI @ 03H +0.75	140	NO	0
STLUCIE2A	12	112	ROLL	ROLL	SAI @ 05H +0.12	141	NO	0
STLUCIE2A	65	113	ROLL	ROLL	SAI @ 01H +0.71	142	NO	0
STLUCIE2A					SAI @ 01H -0.60			
STLUCIE2A	43	115	ROLL	ROLL	SAI @ TSH +0.22	143	NO	0
STLUCIE2A	14	116	ROLL	ROLL	SAI @ 07H -0.43	144	NO	0
STLUCIE2A	44	116	ROLL/STAB	ROLL	SCI @ TSH -0.14	145	YES	0
STLUCIE2A	70	116	ROLL	ROLL	SAI @ 01H -0.33	146	NO	0
STLUCIE2A					SAI @ 01H -0.33			
STLUCIE2A	110	116	ROLL	ROLL	SAI @ 02H +0.55	147	NO	0
STLUCIE2A	13	117	ROLL	ROLL	SAI @ 01H +0.33	148	NO	0
STLUCIE2A	121	117	ROLL	ROLL	SAI @ 01H +0.74	149	NO	0
STLUCIE2A	122	118	ROLL	ROLL	SAI @ 02H +0.40	150	NO	0
STLUCIE2A	13	119	ROLL	ROLL	SAI @ 01H -0.65	151	NO	0
STLUCIE2A	14	120	ROLL	ROLL	SAI @ 02H +0.63	152	NO	0
STLUCIE2A	46	120	ROLL	ROLL	SAI @ 02H +0.57	153	NO	0
STLUCIE2A	56	120	ROLL	ROLL	SAI @ 06H +0.87	154	NO	0
STLUCIE2A	70	120	ROLL	ROLL	SAI @ 01H -0.92	155	NO	0
STLUCIE2A	11	121	ROLL	ROLL	SAI @ 02H +0.66	156	NO	0
STLUCIE2A	75	121	ROLL	ROLL	SAI @ 01H -0.60	157	NO	0
STLUCIE2A	79	121	ROLL	ROLL	SAI @ 01H -0.66	158	NO	0
STLUCIE2A					SAI @ 02H +0.75			
STLUCIE2A	32	122	ROLL	ROLL	SAI @ 01H -0.87	159	NO	0
STLUCIE2A					SAI @ 01H -0.66			
STLUCIE2A	56	122	ROLL	ROLL	SAI @ 01H -0.87	160	NO	0
STLUCIE2A	12	124	ROLL	ROLL	SAI @ 07H +0.60	161	NO	0

SG STLUCIE2A April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	14	124	ROLL	ROLL	SAI @ 05H -0.59	162	NO	0
STLUCIE2A	40	124	ROLL	ROLL	SAI @ 01H +0.85	163	NO	0
STLUCIE2A	65	125	ROLL	ROLL	SAI @ 02H -0.55	164	NO	0
STLUCIE2A	20	126	ROLL	ROLL	SAI @ 01H -0.17	165	NO	0
STLUCIE2A	5	127	ROLL	ROLL	SAI @ 02H +0.59	166	NO	0
STLUCIE2A	16	128	ROLL	ROLL	SAI @ 04H +0.12	167	NO	0
STLUCIE2A					SAI @ 04H -0.09			
STLUCIE2A	66	128	ROLL	ROLL	SAI @ 01H -0.53	168	NO	0
STLUCIE2A					SAI @ 01H -0.76			
STLUCIE2A	10	130	ROLL	ROLL	SAI @ 01H +0.87	169	NO	0
STLUCIE2A	86	130	ROLL	ROLL	SAI @ 01H +0.62	170	NO	0
STLUCIE2A	63	131	ROLL	ROLL	SAI @ 01H +0.38	171	NO	0
STLUCIE2A	9	133	ROLL	ROLL	SAI @ 01H +0.44	172	NO	0
STLUCIE2A	99	133	ROLL	ROLL	SAI @ 02H +0.54	173	NO	0
STLUCIE2A	109	133	ROLL	ROLL/STAB	LPI @ TSC +0.21	174	YES	0
STLUCIE2A					LPI @ TSC +0.19			
STLUCIE2A					PTP			
STLUCIE2A	78	134	ROLL	ROLL	SAI @ 03H +0.88	175	NO	0
STLUCIE2A					SAI @ 01H +0.11			
STLUCIE2A	106	134	ROLL	ROLL/STAB	LPI @ TSC +0.26	176	YES	0
STLUCIE2A					PTP			
STLUCIE2A	108	134	ROLL	ROLL/STAB	LPI @ TSC +0.28	177	YES	0
STLUCIE2A					PTP			
STLUCIE2A	110	134	ROLL	ROLL/STAB	LPI @ TSC +0.25	178	YES	0
STLUCIE2A					PTP			
STLUCIE2A	8	136	ROLL	ROLL	SAI @ 02H -0.38	179	NO	0
STLUCIE2A					SAI @ 02H +0.63			
STLUCIE2A	55	137	ROLL	ROLL	SAI @ 01H -0.69	180	NO	0
STLUCIE2A	79	137	ROLL	ROLL	SAI @ 01H +0.75	181	NO	0
STLUCIE2A	85	137	ROLL	ROLL	SAI @ 01H -0.39	182	NO	0

SG STLUCIE2A April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2A	12	140	ROLL	ROLL	SAI @ 02H +0.59	183	NO	0
STLUCIE2A	88	140	ROLL	ROLL	SAI @ 01H +0.78	184	NO	0
STLUCIE2A	9	141	ROLL	ROLL	SAI @ 03H -0.19	185	NO	0
STLUCIE2A	13	141	ROLL	ROLL	SAI @ 03H +0.78	186	NO	0
STLUCIE2A	70	146	ROLL	ROLL	SAI @ 02H -0.90	187	NO	0
STLUCIE2A	1	149	ROLL	ROLL	SAI @ 07H +0.51	188	NO	0
STLUCIE2A	7	151	ROLL	ROLL	SAI @ 03H -0.19	189	NO	0
STLUCIE2A					SAI @ 02H -0.54			
STLUCIE2A	14	152	ROLL	ROLL	SAI @ 03H -0.43	190	NO	0
STLUCIE2A	24	152	ROLL	ROLL	SAI @ 01H -0.86	191	NO	0
STLUCIE2A	45	153	ROLL	ROLL	SAI @ 02H +0.10	192	NO	0
STLUCIE2A	6	154	ROLL	ROLL	SAI @ 02H -0.53	193	NO	0
STLUCIE2A	13	155	ROLL	ROLL	SAI @ 03H -0.53	194	NO	0
STLUCIE2A	11	157	ROLL	ROLL	SAI @ 03H -0.18	195	NO	0
STLUCIE2A					SAI @ 02H +0.85			
STLUCIE2A	14	158	ROLL	ROLL	SAI @ 03H +0.89	196	NO	0
STLUCIE2A	12	160	ROLL	ROLL	SAI @ 02H -0.69	197	NO	0
STLUCIE2A					SAI @ 02H -0.48			
					Totals	197	7	

Notes:

1. All Tubes requiring stabilization shall be stabilized using wire rope stabilizers (part number 1217878-010; nominal 115" Length).

2. All Tubes shall be plugged using part number 1268231-003.

3.The tubes on the above list have been reviewed for skip rolls, over expansions, dents, bulges, and additional indications. No such anomalies or indications were detected that would prohibit installation of the plugs or stabilizers.

4. The indications in the tubes on the above list have been screened against the in situ screening criteria. None of the indications in the above list require in situ testing.

5. The indications queried for in FDMS to generate this list are consistent with those specified in the Analysis Guidelines and include: Bobbin >=40%, +Point MAI, MCI, MMI, MVI, SAI, SCI, SVI, VOL, WAR >= 40%, PTP,LPI

Approvals:

x [signature] 5/6/03
FANP Integrity Engineering

x Gary L Boyer 5/6/03
FPL Engineering/CSI Representative

SG STLUCIE2A **April 2003 - EOC13**

x
FANP Data Management

x
FPL Site Chemistry Representative

x
FANP Lead Analyst

St. Lucie Unit 2

Steam Generator 2B

Tubes Plugged During Refueling Outage SL2-14

Spring 2003

SG STLUCIE2B April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	15	5	ROLL	ROLL	SAI @ 01H +0.58	1	NO	0
STLUCIE2B	1	7	ROLL	ROLL	SAI @ 03H +0.52	2	NO	0
STLUCIE2B	3	7	ROLL	ROLL	SAI @ 04H +0.80	3	NO	0
STLUCIE2B					SAI @ 05H -0.20			
STLUCIE2B	7	7	ROLL	ROLL	SAI @ 01H -0.25	4	NO	0
STLUCIE2B					SAI @ 01H +0.77			
STLUCIE2B	3	9	ROLL	ROLL	SAI @ 01H +0.64	5	NO	0
STLUCIE2B	9	11	ROLL	ROLL	SAI @ 03H +0.70	6	NO	0
STLUCIE2B					SAI @ 03H +0.84			
STLUCIE2B	9	13	ROLL	ROLL	SAI @ 01H +0.29	7	NO	0
STLUCIE2B	15	13	ROLL	ROLL	SAI @ 05H +0.57	8	NO	0
STLUCIE2B	7	15	ROLL	ROLL	SAI @ 03H +0.72	9	NO	0
STLUCIE2B	12	16	ROLL	ROLL	SAI @ 03H +0.83	10	NO	0
STLUCIE2B					SAI @ 03H -0.46			
STLUCIE2B	7	17	ROLL	ROLL	SAI @ 03H +0.81	11	NO	0
STLUCIE2B					SAI @ 03H +0.89			
STLUCIE2B	26	18	ROLL	ROLL	SAI @ 03H -0.30	12	NO	0
STLUCIE2B	56	18	ROLL	ROLL	SAI @ 01H -0.15	13	NO	0
STLUCIE2B	2	20	ROLL	ROLL	SAI @ 07H +0.54	14	NO	0
STLUCIE2B	12	20	ROLL	ROLL	SAI @ 01H -0.80	15	NO	0
STLUCIE2B					SAI @ 01H +0.25			
STLUCIE2B	7	21	ROLL	ROLL	SAI @ 05H +0.82	16	NO	0
STLUCIE2B					SAI @ 05H +0.71			
STLUCIE2B	15	21	ROLL	ROLL	SAI @ 02H -0.56	17	NO	0
STLUCIE2B	59	21	ROLL	ROLL	SAI @ 02H +0.70	18	NO	0
STLUCIE2B					SAI @ 06H +0.69			
STLUCIE2B					SAI @ 08H +0.49			
STLUCIE2B	16	22	ROLL	ROLL	SAI @ 02H -0.46	19	NO	0
STLUCIE2B	26	22	ROLL	ROLL	SAI @ 06H -0.06	20	NO	0
STLUCIE2B					SAI @ 06H +0.81			

SG STLUCIE2B April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B					SAI @ DHB +2.09			
STLUCIE2B	26	24	ROLL	ROLL	SAI @ 04H -0.66	21	NO	0
STLUCIE2B	30	24	ROLL	ROLL	SAI @ 05H +0.74	22	NO	0
STLUCIE2B					SAI @ 05H +0.78			
STLUCIE2B	60	24	ROLL	ROLL	SAI @ 02H +0.68	23	NO	0
STLUCIE2B	75	25	ROLL	ROLL	SAI @ 02H -0.80	24	NO	0
STLUCIE2B	46	26	ROLL	ROLL	SAI @ 02H +0.79	25	NO	0
STLUCIE2B	39	27	ROLL	ROLL	SAI @ 01H +0.43	26	NO	0
STLUCIE2B	67	27	ROLL	ROLL	SAI @ 02H +0.55	27	NO	0
STLUCIE2B	12	28	ROLL	ROLL	SAI @ 01H -0.04	28	NO	0
STLUCIE2B					SAI @ 01H -0.77			
STLUCIE2B	26	28	ROLL	ROLL	SAI @ 03H +0.88	29	NO	0
STLUCIE2B	42	28	ROLL	ROLL	SAI @ 01H +0.54	30	NO	0
STLUCIE2B	17	29	ROLL	ROLL	SAI @ 01H -0.56	31	NO	0
STLUCIE2B	59	29	ROLL	ROLL	SAI @ 01H -0.56	32	NO	0
STLUCIE2B	73	31	ROLL	ROLL	SAI @ 02H +0.74	33	NO	0
STLUCIE2B	30	32	ROLL	ROLL	SAI @ 01H -0.56	34	NO	0
STLUCIE2B	48	32	ROLL	ROLL	SAI @ 01H -0.31	35	NO	0
STLUCIE2B	68	32	ROLL	ROLL	SAI @ 02H +0.74	36	NO	0
STLUCIE2B					SAI @ 01H +0.85			
STLUCIE2B	61	35	ROLL	ROLL	SAI @ 02H +0.61	37	NO	0
STLUCIE2B	66	36	ROLL	ROLL	SAI @ 02H +0.42	38	NO	0
STLUCIE2B	41	37	ROLL	ROLL	SAI @ 04H +0.66	39	NO	0
STLUCIE2B	59	39	ROLL	ROLL	SAI @ 02H +0.25	40	NO	0
STLUCIE2B	61	39	ROLL	ROLL	SAI @ 01H +0.23	41	NO	0
STLUCIE2B					SAI @ 01H -0.52			
STLUCIE2B	38	40	ROLL	ROLL	SAI @ 01H -0.43	42	NO	0
STLUCIE2B					SAI @ 01H +0.43			
STLUCIE2B	66	40	ROLL	ROLL	SAI @ 01H -0.47	43	NO	0
STLUCIE2B	7	41	ROLL	ROLL	SAI @ 02H +0.55	44	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B					SAI @ 01H -0.19			
STLUCIE2B	13	41	ROLL	ROLL	SAI @ 05H -0.31	45	NO	0
STLUCIE2B					SAI @ 06H +0.74			
STLUCIE2B					SAI @ 06H +0.58			
STLUCIE2B					SAI @ 06H +0.33			
STLUCIE2B	63	41	ROLL	ROLL	SAI @ 01H -0.29	46	NO	0
STLUCIE2B	67	41	ROLL	ROLL	SAI @ 01H +0.63	47	NO	0
STLUCIE2B					SAI @ 01H -0.33			
STLUCIE2B	107	41	ROLL/STAB	ROLL	LPI @ TSH +0.42	48	YES	0
STLUCIE2B					VOL @ TSH +0.45			
STLUCIE2B					PTP			
STLUCIE2B	68	42	ROLL	ROLL	SAI @ 01H -0.60	49	NO	0
STLUCIE2B					SAI @ 01H +0.61			
STLUCIE2B	94	42	ROLL	ROLL	SAI @ 03H +0.90	50	NO	0
STLUCIE2B	106	42	ROLL/STAB	ROLL	PTP	51	YES	0
STLUCIE2B					LPI @ TSH +0.10			
STLUCIE2B					VOL @ TSH +0.13			
STLUCIE2B	13	43	ROLL	ROLL	SAI @ 02H -0.09	52	NO	0
STLUCIE2B					SAI @ 03H +0.70			
STLUCIE2B					SAI @ 03H -0.54			
STLUCIE2B					SAI @ 03H -0.76			
STLUCIE2B	31	43	ROLL	ROLL	SAI @ 05H -0.95	53	NO	0
STLUCIE2B					SAI @ 05H +0.15			
STLUCIE2B	65	43	ROLL	ROLL	SAI @ 01H -0.67	54	NO	0
STLUCIE2B					SAI @ 01H -0.65			
STLUCIE2B	40	44	ROLL	ROLL	SAI @ 01H -0.65	55	NO	0
STLUCIE2B	54	44	ROLL	ROLL	SAI @ 02H +0.82	56	NO	0
STLUCIE2B					SAI @ 01H -0.50			
STLUCIE2B	58	44	ROLL	ROLL	SAI @ 01H -0.72	57	NO	0
STLUCIE2B	102	44	ROLL	ROLL	SAI @ 03H +0.59	58	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	13	45	ROLL	ROLL	SAI @ 01H +0.50	59	NO	0
STLUCIE2B					SAI @ 05H +0.50			
STLUCIE2B					SAI @ 07H +0.65			
STLUCIE2B	15	45	ROLL	ROLL	SAI @ 06H +0.10	60	NO	0
STLUCIE2B	59	45	ROLL	ROLL	SAI @ 08H -0.31	61	NO	0
STLUCIE2B	4	46	ROLL	ROLL	SAI @ 07H -0.66	62	NO	0
STLUCIE2B	68	46	ROLL	ROLL	SAI @ 01H +0.24	63	NO	0
STLUCIE2B					SAI @ 01H -0.25			
STLUCIE2B	59	47	ROLL	ROLL	SAI @ 01H -0.34	64	NO	0
STLUCIE2B	61	47	ROLL	ROLL	SAI @ 02H +0.84	65	NO	0
STLUCIE2B					SAI @ 05H +0.82			
STLUCIE2B	68	48	ROLL	ROLL	SAI @ 01H -0.51	66	NO	0
STLUCIE2B	13	49	ROLL	ROLL	SAI @ 06H +0.51	67	NO	0
STLUCIE2B	49	49	ROLL	ROLL	SAI @ 01H +0.66	68	NO	0
STLUCIE2B					SAI @ 01H -0.42			
STLUCIE2B	59	49	ROLL	ROLL	SAI @ 01H -0.55	69	NO	0
STLUCIE2B	65	49	ROLL	ROLL	SAI @ 01H +0.44	70	NO	0
STLUCIE2B					SAI @ 01H -0.66			
STLUCIE2B					SAI @ 01H +0.75			
STLUCIE2B	79	49	ROLL	ROLL	SAI @ 01H -0.42	71	NO	0
STLUCIE2B					SAI @ 01H -0.62			
STLUCIE2B	58	50	ROLL	ROLL	SAI @ 02H +0.82	72	NO	0
STLUCIE2B	66	50	ROLL	ROLL	SAI @ 01H +0.48	73	NO	0
STLUCIE2B					SAI @ 01H -0.36			
STLUCIE2B	13	51	ROLL	ROLL	SAI @ 06H -0.30	74	NO	0
STLUCIE2B					SAI @ 01H -0.60			
STLUCIE2B					SAI @ 06H -0.11			
STLUCIE2B					SAI @ 06H +0.49			
STLUCIE2B					SAI @ 01H -0.61			
STLUCIE2B	59	51	ROLL	ROLL	SAI @ 07H +0.00	75	NO	0

SG STLUCIE2B April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	63	51	ROLL	ROLL	SAI @ 01H +0.66	76	NO	0
STLUCIE2B					SAI @ 01H +0.87			
STLUCIE2B	79	51	ROLL	ROLL	SAI @ 01H -0.55	77	NO	0
STLUCIE2B					SAI @ 01H +0.69			
STLUCIE2B					SAI @ 01H +0.04			
STLUCIE2B	21	53	ROLL	ROLL	SAI @ 06H -0.17	78	NO	0
STLUCIE2B					SAI @ 06H +0.86			
STLUCIE2B					SAI @ 07H -0.52			
STLUCIE2B	33	53	ROLL	ROLL	SAI @ 01H -0.44	79	NO	0
STLUCIE2B					SAI @ 01H +0.65			
STLUCIE2B	61	53	ROLL	ROLL	SAI @ 02H -0.72	80	NO	0
STLUCIE2B	103	53	ROLL	ROLL	SAI @ 01H -0.40	81	NO	0
STLUCIE2B	54	54	ROLL	ROLL	SAI @ 01H +0.37	82	NO	0
STLUCIE2B	68	54	ROLL	ROLL	SAI @ 01H -0.36	83	NO	0
STLUCIE2B	74	54	ROLL	ROLL	SAI @ 01H +0.28	84	NO	0
STLUCIE2B					SAI @ 01H -0.78			
STLUCIE2B	23	55	ROLL	ROLL	SAI @ 07H -0.48	85	NO	0
STLUCIE2B					SAI @ 07H -0.29			
STLUCIE2B	39	55	ROLL	ROLL	SAI @ 01H +0.09	86	NO	0
STLUCIE2B					SAI @ 01H +0.84			
STLUCIE2B	63	55	ROLL	ROLL	SAI @ 01H -0.35	87	NO	0
STLUCIE2B					SAI @ 01H +0.75			
STLUCIE2B	46	56	ROLL	ROLL	SAI @ 05H +0.85	88	NO	0
STLUCIE2B					SAI @ 05H +0.01			
STLUCIE2B	56	56	ROLL	ROLL	SAI @ 01H -0.58	89	NO	0
STLUCIE2B					SAI @ 01H +0.76			
STLUCIE2B	60	56	ROLL	ROLL	SAI @ 04H +0.70	90	NO	0
STLUCIE2B	68	56	ROLL	ROLL	SAI @ 01H -0.33	91	NO	0
STLUCIE2B	102	56	ROLL	ROLL	SAI @ 01H -0.13	92	NO	0
STLUCIE2B	7	57	ROLL	ROLL	SAI @ 05H -0.42	93	NO	0

SG STLUCIE2B April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	57	57	ROLL	ROLL	SAI @ 02H +0.80	94	NO	0
STLUCIE2B	95	57	ROLL	ROLL	SAI @ 01H -0.31	95	NO	0
STLUCIE2B	16	58	ROLL	ROLL	SAI @ 05H +0.53	96	NO	0
STLUCIE2B	42	58	ROLL	ROLL	SAI @ 01H +0.54	97	NO	0
STLUCIE2B	120	58	ROLL	ROLL	SAI @ 02H +0.82	98	NO	0
STLUCIE2B					SAI @ 02H +0.32			
STLUCIE2B	11	59	ROLL	ROLL	SAI @ 06H +0.25	99	NO	0
STLUCIE2B					SAI @ 05H +0.53			
STLUCIE2B					SAI @ 05H -0.21			
STLUCIE2B					SAI @ 05H +0.10			
STLUCIE2B	15	59	ROLL	ROLL	SAI @ 07H +0.32	100	NO	0
STLUCIE2B	47	59	ROLL	ROLL	SAI @ 01H +0.62	101	NO	0
STLUCIE2B	57	59	ROLL	ROLL	SAI @ TSH +0.23	102	NO	0
STLUCIE2B	87	59	ROLL	ROLL	SAI @ 01H +0.13	103	NO	0
STLUCIE2B	97	59	ROLL	ROLL	SAI @ 01H -0.51	104	NO	0
STLUCIE2B	48	60	ROLL	ROLL	SAI @ 01H -0.01	105	NO	0
STLUCIE2B	118	60	ROLL	ROLL	SAI @ 01H -0.46	106	NO	0
STLUCIE2B	7	61	ROLL	ROLL	SAI @ 07H -0.84	107	NO	0
STLUCIE2B	13	61	ROLL	ROLL	SAI @ 01H +0.56	108	NO	0
STLUCIE2B	57	61	ROLL	ROLL	SAI @ 01H -0.49	109	NO	0
STLUCIE2B					SAI @ 01H +0.44			
STLUCIE2B					SAI @ 01H +0.84			
STLUCIE2B	59	61	ROLL	ROLL	SAI @ 01H -0.77	110	NO	0
STLUCIE2B	107	61	ROLL	ROLL	SAI @ 01H -0.32	111	NO	0
STLUCIE2B	60	62	ROLL	ROLL	SAI @ 07H +0.49	112	NO	0
STLUCIE2B	68	62	ROLL	ROLL	SAI @ 01H -0.49	113	NO	0
STLUCIE2B	126	62	ROLL	ROLL	SAI @ 02H +0.50	114	NO	0
STLUCIE2B					SAI @ 02H +0.85			
STLUCIE2B					SAI @ 02H -0.67			
STLUCIE2B	60	64	ROLL	ROLL	SAI @ 05H +0.78	115	NO	0

SG STLUCIE2B April 2003 - EOC13

S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	62	64	ROLL	ROLL	SAI @ 03H +0.36	116	NO	0
STLUCIE2B					SAI @ 03H +0.67			
STLUCIE2B	68	64	ROLL	ROLL	SAI @ 01H +0.65	117	NO	0
STLUCIE2B	41	65	ROLL	ROLL	SAI @ 05H -0.20	118	NO	0
STLUCIE2B	69	65	ROLL	ROLL	SAI @ 05H +0.79	119	NO	0
STLUCIE2B					SAI @ 05H +0.41			
STLUCIE2B	64	66	ROLL	ROLL	SAI @ 04H +0.69	120	NO	0
STLUCIE2B					SAI @ 04H +0.81			
STLUCIE2B	74	66	ROLL	ROLL	SAI @ 06H +0.61	121	NO	0
STLUCIE2B	41	67	ROLL	ROLL	SAI @ 05H +0.68	122	NO	0
STLUCIE2B	48	68	ROLL	ROLL	SAI @ DHB +1.63	123	NO	0
STLUCIE2B	49	69	ROLL	ROLL	SAI @ 02H +0.88	124	NO	0
STLUCIE2B	63	69	ROLL/STAB	ROLL	SCI @ TSH +0.12	125	YES	0
STLUCIE2B	40	70	ROLL	ROLL	SAI @ 02H +0.59	126	NO	0
STLUCIE2B					SAI @ 02H -0.14			
STLUCIE2B	100	70	ROLL	ROLL	SAI @ 01H -0.83	127	NO	0
STLUCIE2B	63	71	ROLL	ROLL	SAI @ TSH +0.17	128	NO	0
STLUCIE2B	58	72	ROLL	ROLL	SAI @ 03H +0.08	129	NO	0
STLUCIE2B	68	72	ROLL	ROLL	SAI @ 01H +0.28	130	NO	0
STLUCIE2B	41	73	ROLL	ROLL	SAI @ 05H -0.19	131	NO	0
STLUCIE2B	47	73	ROLL	ROLL	SAI @ 05H -0.32	132	NO	0
STLUCIE2B					SAI @ 05H +0.75			
STLUCIE2B	113	73	ROLL	ROLL	SAI @ 01H -0.31	133	NO	0
STLUCIE2B	56	74	ROLL	ROLL	SAI @ 05H +0.10	134	NO	0
STLUCIE2B	66	74	ROLL	ROLL	SAI @ 07H +0.82	135	NO	0
STLUCIE2B	108	74	ROLL	ROLL	SAI @ 01H -0.22	136	NO	0
STLUCIE2B	85	75	ROLL	ROLL	SAI @ 02H +0.72	137	NO	0
STLUCIE2B	121	75	ROLL	ROLL	SAI @ 01H +0.15	138	NO	0
STLUCIE2B					SAI @ 01H -0.36			
STLUCIE2B	126	76	ROLL	ROLL	SAI @ 01H -0.85	139	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	71	77	ROLL	ROLL	SAI @ TSH +0.18	140	NO	0
STLUCIE2B	75	77	ROLL	ROLL	SAI @ TSH -0.28	141	NO	0
STLUCIE2B					SAI @ TSH +0.28			
STLUCIE2B					SAI @ TSH +0.14			
STLUCIE2B	56	78	ROLL	ROLL	SAI @ 01H +0.44	142	NO	0
STLUCIE2B	68	78	ROLL	ROLL	SAI @ 01H +0.47	143	NO	0
STLUCIE2B	77	79	ROLL/STAB	ROLL	SCI @ TSH -0.21	144	YES	0
STLUCIE2B	58	80	ROLL	ROLL	SAI @ 02H -0.81	145	NO	0
STLUCIE2B	76	82	ROLL	ROLL	SAI @ TSH +0.59	146	NO	0
STLUCIE2B	124	82	ROLL	ROLL	SAI @ 01H +0.81	147	NO	0
STLUCIE2B	134	82	ROLL	ROLL	SAI @ 01H +0.79	148	NO	0
STLUCIE2B					SAI @ 01H +0.85			
STLUCIE2B	59	83	ROLL	ROLL	SAI @ 07H +0.22	149	NO	0
STLUCIE2B	124	84	ROLL	ROLL	SAI @ 01H -0.53	150	NO	0
STLUCIE2B					SAI @ 02H +0.75			
STLUCIE2B	126	84	ROLL	ROLL	SAI @ 01H -0.41	151	NO	0
STLUCIE2B	59	85	ROLL	ROLL	SAI @ 04H +0.34	152	NO	0
STLUCIE2B					SAI @ 04H -0.31			
STLUCIE2B					SAI @ 01H +0.64			
STLUCIE2B	77	85	ROLL	ROLL	SAI @ TSH +0.60	153	NO	0
STLUCIE2B	97	87	ROLL	ROLL	SAI @ 01H +0.80	154	NO	0
STLUCIE2B	66	88	ROLL	ROLL	SAI @ TSH +0.41	155	NO	0
STLUCIE2B	98	90	ROLL	ROLL	SAI @ 04H +0.72	156	NO	0
STLUCIE2B	130	90	ROLL	ROLL	SAI @ 02H +0.72	157	NO	0
STLUCIE2B	62	92	ROLL	ROLL	SAI @ 01H -0.50	158	NO	0
STLUCIE2B					SAI @ 01H +0.31			
STLUCIE2B	63	93	ROLL	ROLL	SAI @ 02H +0.32	159	NO	0
STLUCIE2B	113	93	ROLL	ROLL	SAI @ 01H +0.51	160	NO	0
STLUCIE2B	52	94	ROLL	ROLL	SAI @ 01H -0.16	161	NO	0
STLUCIE2B	98	94	ROLL	ROLL	SAI @ 01H +0.19	162	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	65	95	ROLL	ROLL	SAI @ 04H +0.59	163	NO	0
STLUCIE2B	75	95	ROLL	ROLL	SAI @ 02H +0.24	164	NO	0
STLUCIE2B	72	96	ROLL	ROLL	SAI @ TSH +0.19	165	NO	0
STLUCIE2B	47	97	ROLL	ROLL	SAI @ 01H -0.23	166	NO	0
STLUCIE2B					SAI @ 03H -0.17			
STLUCIE2B	49	97	ROLL	ROLL	SAI @ 03H +0.68	167	NO	0
STLUCIE2B					SAI @ 06H +0.77			
STLUCIE2B	57	97	ROLL	ROLL	SAI @ 02H +0.42	168	NO	0
STLUCIE2B	63	97	ROLL	ROLL	SAI @ 02H +0.57	169	NO	0
STLUCIE2B	40	98	ROLL	ROLL	SAI @ 05H -0.65	170	NO	0
STLUCIE2B	41	99	ROLL	ROLL	SAI @ 01H -0.19	171	NO	0
STLUCIE2B	53	99	ROLL	ROLL	SAI @ 01H -0.97	172	NO	0
STLUCIE2B	103	99	ROLL	ROLL	SAI @ 06H +0.54	173	NO	0
STLUCIE2B					SAI @ 07H -0.62			
STLUCIE2B	65	101	ROLL	ROLL	SAI @ TSH +0.19	174	NO	0
STLUCIE2B	75	101	ROLL	ROLL	SAI @ 01H +0.67	175	NO	0
STLUCIE2B	137	101	ROLL	ROLL	SAI @ TSH +0.89	176	NO	0
STLUCIE2B	122	102	ROLL	ROLL	SAI @ 01H +0.85	177	NO	0
STLUCIE2B					SAI @ 01H +0.10			
STLUCIE2B	66	104	ROLL	ROLL	SAI @ 02H +0.75	178	NO	0
STLUCIE2B	54	106	ROLL	ROLL	SAI @ 01H +0.76	179	NO	0
STLUCIE2B					SAI @ 01H +0.82			
STLUCIE2B	9	107	ROLL	ROLL	SAI @ TSH +0.32	180	NO	0
STLUCIE2B	49	107	ROLL	ROLL	SAI @ 01H -0.21	181	NO	0
STLUCIE2B	16	108	ROLL	ROLL	SAI @ 06H -0.69	182	NO	0
STLUCIE2B	58	108	ROLL	ROLL	SAI @ 02H -0.35	183	NO	0
STLUCIE2B	15	109	ROLL	ROLL	SAI @ 07H -0.48	184	NO	0
STLUCIE2B	49	109	ROLL	ROLL	SAI @ 02H +0.74	185	NO	0
STLUCIE2B					SAI @ 06H +0.69			
STLUCIE2B					SAI @ 01H +0.54			

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B					SAI @ 01H +0.56			
STLUCIE2B	57	109	ROLL	ROLL	SAI @ 01H -0.49	186	NO	0
STLUCIE2B	2	110	ROLL	ROLL	SAI @ 07H +0.63	187	NO	0
STLUCIE2B	40	110	ROLL	ROLL	SAI @ 01H -0.05	188	NO	0
STLUCIE2B	9	111	ROLL	ROLL	SAI @ 06H -0.63	189	NO	0
STLUCIE2B					SAI @ 04H +0.66			
STLUCIE2B	11	111	ROLL	ROLL	SAI @ 03H -0.60	190	NO	0
STLUCIE2B	33	111	ROLL	ROLL	SAI @ 05H +0.19	191	NO	0
STLUCIE2B	55	111	ROLL	ROLL	SAI @ 01H +0.32	192	NO	0
STLUCIE2B	10	112	ROLL	ROLL	SAI @ 06H -0.93	193	NO	0
STLUCIE2B					SAI @ 06H -0.69			
STLUCIE2B	48	112	ROLL	ROLL	SAI @ 01H +0.84	194	NO	0
STLUCIE2B					SAI @ 07H +0.78			
STLUCIE2B	54	112	ROLL	ROLL	SAI @ 01H -0.23	195	NO	0
STLUCIE2B	62	112	ROLL	ROLL	SAI @ 01H -0.48	196	NO	0
STLUCIE2B					SAI @ 01H +0.41			
STLUCIE2B	74	112	ROLL	ROLL	SAI @ 01H +0.27	197	NO	0
STLUCIE2B	104	112	ROLL	ROLL	SAI @ 03H +0.63	198	NO	0
STLUCIE2B	108	112	ROLL	ROLL	SAI @ 01H +0.54	199	NO	0
STLUCIE2B	11	113	ROLL	ROLL	SAI @ 01H +0.59	200	NO	0
STLUCIE2B	59	113	ROLL	ROLL	SAI @ 01H +0.25	201	NO	0
STLUCIE2B	113	113	ROLL	ROLL	SAI @ 02H -0.55	202	NO	0
STLUCIE2B					SAI @ 02H +0.71			
STLUCIE2B	10	114	ROLL	ROLL	SAI @ 06H -0.82	203	NO	0
STLUCIE2B					SAI @ 06H +0.76			
STLUCIE2B	30	114	ROLL	ROLL	SAI @ 07H -0.51	204	NO	0
STLUCIE2B	62	114	ROLL	ROLL	SAI @ 01H -0.27	205	NO	0
STLUCIE2B	113	115	ROLL	ROLL	SAI @ 01H +0.33	206	NO	0
STLUCIE2B	12	116	ROLL	ROLL	SAI @ 05H -0.03	207	NO	0
STLUCIE2B	42	116	ROLL	ROLL	SAI @ TSH -0.26	208	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	44	116	ROLL/STAB	ROLL	SCI @ TSH -0.17	209	YES	0
STLUCIE2B	64	116	ROLL	ROLL	SAI @ 01H -0.01	210	NO	0
STLUCIE2B	61	117	ROLL	ROLL	SAI @ 01H -0.56	211	NO	0
STLUCIE2B	48	118	ROLL	ROLL	SAI @ 02H +0.42	212	NO	0
STLUCIE2B	62	118	ROLL	ROLL	SAI @ 01H -0.28	213	NO	0
STLUCIE2B	64	118	ROLL	ROLL	SAI @ 01H -0.79	214	NO	0
STLUCIE2B	68	118	ROLL	ROLL	SAI @ 01H -0.41	215	NO	0
STLUCIE2B					SAI @ 01H -0.61			
STLUCIE2B	102	118	ROLL	ROLL	SAI @ 03H +0.80	216	NO	0
STLUCIE2B	5	119	ROLL	ROLL	SAI @ 06H -0.65	217	NO	0
STLUCIE2B	9	119	ROLL	ROLL	SAI @ 01H +0.70	218	NO	0
STLUCIE2B	17	119	ROLL	ROLL	SAI @ 02H +0.77	219	NO	0
STLUCIE2B					SAI @ 02H -0.34			
STLUCIE2B	41	119	ROLL/STAB	ROLL	SCI @ TSH -0.16	220	YES	0
STLUCIE2B	111	119	ROLL	ROLL	SAI @ 01H +0.78	221	NO	0
STLUCIE2B	38	120	ROLL/STAB	ROLL	SCI @ TSH -0.03	222	YES	0
STLUCIE2B	48	120	ROLL	ROLL	SAI @ 02H +0.84	223	NO	0
STLUCIE2B					SAI @ 01H +0.74			
STLUCIE2B	117	121	ROLL	ROLL	SAI @ 04H -0.58	224	NO	0
STLUCIE2B	114	122	ROLL	ROLL	SAI @ 01H +0.80	225	NO	0
STLUCIE2B					SAI @ 01H +0.80			
STLUCIE2B	33	123	ROLL/STAB	ROLL	SCI @ TSH -0.12	226	YES	0
STLUCIE2B	49	123	ROLL	ROLL	SAI @ 02H +0.60	227	NO	0
STLUCIE2B					SAI @ 01H +0.29			
STLUCIE2B					SAI @ 01H -0.46			
STLUCIE2B	66	124	ROLL	ROLL	SAI @ 01H -0.62	228	NO	0
STLUCIE2B	110	124	ROLL	ROLL	SAI @ 02H -0.67	229	NO	0
STLUCIE2B	43	125	ROLL	ROLL	SAI @ 01H -0.39	230	NO	0
STLUCIE2B					SAI @ 01H +0.55			
STLUCIE2B	103	125	ROLL	ROLL	SAI @ 02H +0.30	231	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	4	126	ROLL	ROLL	SAI @ 07H -0.46	232	NO	0
STLUCIE2B	70	126	ROLL	ROLL	SAI @ 01H +0.45	233	NO	0
STLUCIE2B					SAI @ 01H +0.62			
STLUCIE2B	5	127	ROLL	ROLL	SAI @ 01H +0.69	234	NO	0
STLUCIE2B	9	127	ROLL	ROLL	SAI @ 02H +0.45	235	NO	0
STLUCIE2B	49	127	ROLL	ROLL	SAI @ 01H -0.40	236	NO	0
STLUCIE2B					SAI @ 01H +0.39			
STLUCIE2B	63	127	ROLL	ROLL	SAI @ 01H -0.69	237	NO	0
STLUCIE2B	28	128	ROLL	ROLL	SAI @ 07H -0.19	238	NO	0
STLUCIE2B					SAI @ 07H +0.65			
STLUCIE2B	50	128	ROLL	ROLL	SAI @ 01H -0.83	239	NO	0
STLUCIE2B					SAI @ 02H +0.42			
STLUCIE2B	7	129	ROLL	ROLL	SAI @ 03H -0.27	240	NO	0
STLUCIE2B	43	129	ROLL	ROLL	SAI @ 01H -0.22	241	NO	0
STLUCIE2B	18	130	ROLL	ROLL	SAI @ 01H +0.84	242	NO	0
STLUCIE2B	42	130	ROLL	ROLL	SAI @ 02H +0.28	243	NO	0
STLUCIE2B	50	130	ROLL	ROLL	SAI @ 01H +0.32	244	NO	0
STLUCIE2B					SAI @ 01H +0.58			
STLUCIE2B	58	130	ROLL	ROLL	SAI @ 01H -0.58	245	NO	0
STLUCIE2B					SAI @ 02H +0.71			
STLUCIE2B					SAI @ 02H +0.01			
STLUCIE2B					SAI @ 01H +0.35			
STLUCIE2B					SAI @ 01H +0.31			
STLUCIE2B	7	131	ROLL	ROLL	SAI @ 01H -0.81	246	NO	0
STLUCIE2B					SAI @ 01H +0.87			
STLUCIE2B	21	131	ROLL	ROLL	SAI @ 02H +0.85	247	NO	0
STLUCIE2B	43	131	ROLL	ROLL	SAI @ 01H -0.18	248	NO	0
STLUCIE2B	63	131	ROLL	ROLL	SAI @ 02H +0.49	249	NO	0
STLUCIE2B					SAI @ 02H -0.60			
STLUCIE2B	52	132	ROLL	ROLL	SAI @ 01H +0.23	250	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	54	132	ROLL	ROLL	SAI @ 01H -0.33	251	NO	0
STLUCIE2B					SAI @ 01H -0.21			
STLUCIE2B	11	133	ROLL	ROLL	SAI @ 04H +0.53	252	NO	0
STLUCIE2B	43	133	ROLL	ROLL	SAI @ 02H +0.80	253	NO	0
STLUCIE2B					SAI @ 02H +0.78			
STLUCIE2B	69	133	ROLL	ROLL	SAI @ 02H -0.35	254	NO	0
STLUCIE2B					SAI @ 01H -0.33			
STLUCIE2B	16	134	ROLL	ROLL	SAI @ 03H +0.63	255	NO	0
STLUCIE2B	68	134	ROLL	ROLL	SAI @ 01H -0.64	256	NO	0
STLUCIE2B	7	135	ROLL	ROLL	SAI @ 01H +0.91	257	NO	0
STLUCIE2B	29	135	ROLL	ROLL	SAI @ 06H +0.77	258	NO	0
STLUCIE2B	43	135	ROLL	ROLL	SAI @ 01H -0.72	259	NO	0
STLUCIE2B	103	135	ROLL	ROLL	SAI @ 01H +0.84	260	NO	0
STLUCIE2B	48	136	ROLL	ROLL	SAI @ 01H +0.81	261	NO	0
STLUCIE2B	56	136	ROLL	ROLL	SAI @ 02H +0.42	262	NO	0
STLUCIE2B	30	138	ROLL	ROLL	SAI @ 02H +0.33	263	NO	0
STLUCIE2B	46	138	ROLL	ROLL	SAI @ 01H +0.71	264	NO	0
STLUCIE2B	50	138	ROLL	ROLL	SAI @ 01H +0.41	265	NO	0
STLUCIE2B	49	139	ROLL	ROLL	SAI @ 01H +0.32	266	NO	0
STLUCIE2B	16	140	ROLL	ROLL	SAI @ 03H +0.77	267	NO	0
STLUCIE2B	30	140	ROLL	ROLL	SAI @ 02H +0.76	268	NO	0
STLUCIE2B					SAI @ 05H +0.71			
STLUCIE2B	48	140	ROLL	ROLL	SAI @ 03H +0.81	269	NO	0
STLUCIE2B	9	141	ROLL	ROLL	SAI @ 04H -0.49	270	NO	0
STLUCIE2B	11	141	ROLL	ROLL	SAI @ 02H +0.44	271	NO	0
STLUCIE2B	59	141	ROLL	ROLL	SAI @ 03H -0.27	272	NO	0
STLUCIE2B	74	142	ROLL	ROLL	SAI @ 01H +0.63	273	NO	0
STLUCIE2B	29	143	ROLL	ROLL	SAI @ 03H +0.73	274	NO	0
STLUCIE2B	31	143	ROLL	ROLL	SAI @ 02H +0.57	275	NO	0
STLUCIE2B					SAI @ 05H +0.80			

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B					SAI @ 05H +0.84			
STLUCIE2B	41	143	ROLL	ROLL	SAI @ 02H +0.55	276	NO	0
STLUCIE2B	43	143	ROLL	ROLL	SAI @ 02H +0.89	277	NO	0
STLUCIE2B	59	143	ROLL	ROLL	SAI @ 03H -0.45	278	NO	0
STLUCIE2B	48	144	ROLL	ROLL	SAI @ 02H -0.16	279	NO	0
STLUCIE2B	56	144	ROLL	ROLL	SAI @ 02H +0.39	280	NO	0
STLUCIE2B	66	144	ROLL	ROLL	SAI @ 01H +0.64	281	NO	0
STLUCIE2B	6	146	ROLL	ROLL	SAI @ 05H +0.65	282	NO	0
STLUCIE2B	34	146	ROLL	ROLL	SAI @ 02H -0.33	283	NO	0
STLUCIE2B	38	146	ROLL	ROLL	SAI @ 03H +0.89	284	NO	0
STLUCIE2B	50	146	ROLL	ROLL	SAI @ 02H +0.10	285	NO	0
STLUCIE2B	13	147	ROLL	ROLL	SAI @ 03H +0.76	286	NO	0
STLUCIE2B	47	147	ROLL	ROLL	SAI @ 02H +0.56	287	NO	0
STLUCIE2B	4	148	ROLL	ROLL	SAI @ 03H +0.79	288	NO	0
STLUCIE2B	60	148	ROLL	ROLL	SAI @ 01H +0.79	289	NO	0
STLUCIE2B	11	149	ROLL	ROLL	SAI @ 02H +0.88	290	NO	0
STLUCIE2B					SAI @ 03H +0.81			
STLUCIE2B	25	149	ROLL	ROLL	SAI @ 02H +0.58	291	NO	0
STLUCIE2B	37	149	ROLL	ROLL	SAI @ 02H +0.55	292	NO	0
STLUCIE2B					SAI @ 02H +0.79			
STLUCIE2B	47	149	ROLL	ROLL	SAI @ 02H +0.74	293	NO	0
STLUCIE2B	9	151	ROLL	ROLL	SAI @ 02H +0.90	294	NO	0
STLUCIE2B	13	151	ROLL	ROLL	SAI @ 04H +0.18	295	NO	0
STLUCIE2B	65	151	ROLL	ROLL	SAI @ 03H -0.22	296	NO	0
STLUCIE2B	16	152	ROLL	ROLL	SAI @ 04H +0.66	297	NO	0
STLUCIE2B					SAI @ 06H -0.61			
STLUCIE2B					SAI @ 04H -0.43			
STLUCIE2B					SAI @ 07C -0.17			
STLUCIE2B	32	152	ROLL	ROLL	SAI @ 03H +0.82	298	NO	0
STLUCIE2B					SAI @ 02H +0.69			

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	48	152	ROLL	ROLL	SAI @ 02H -0.61	299	NO	0
STLUCIE2B					SAI @ 02H -0.68			
STLUCIE2B	50	152	ROLL	ROLL	SAI @ 02H +0.87	300	NO	0
STLUCIE2B					SAI @ 02H -0.14			
STLUCIE2B	7	153	ROLL	ROLL	SAI @ 05H -0.85	301	NO	0
STLUCIE2B					SAI @ 04H +0.09			
STLUCIE2B					SAI @ 03H -0.34			
STLUCIE2B	19	153	ROLL	ROLL	SAI @ 02H +0.84	302	NO	0
STLUCIE2B					SAI @ 03H +0.83			
STLUCIE2B	39	153	ROLL	ROLL	SAI @ 02H +0.82	303	NO	0
STLUCIE2B	28	154	ROLL	ROLL	SAI @ 02H +0.47	304	NO	0
STLUCIE2B					SAI @ 02H -0.59			
STLUCIE2B	48	154	ROLL	ROLL	SAI @ 02H +0.28	305	NO	0
STLUCIE2B	15	155	ROLL	ROLL	SAI @ 03H +0.11	306	NO	0
STLUCIE2B					SAI @ 02H -0.58			
STLUCIE2B					SAI @ 04H -0.52			
STLUCIE2B					SAI @ 02H -0.39			
STLUCIE2B	25	155	ROLL	ROLL	SAI @ 02H +0.65	307	NO	0
STLUCIE2B	31	155	ROLL	ROLL	SAI @ 02H +0.78	308	NO	0
STLUCIE2B	8	156	ROLL	ROLL	SAI @ 02H +0.74	309	NO	0
STLUCIE2B	11	157	ROLL	ROLL	SAI @ 02H +0.78	310	NO	0
STLUCIE2B	13	157	ROLL	ROLL	SAI @ 03H +0.90	311	NO	0
STLUCIE2B					SAI @ 02H +0.07			
STLUCIE2B	15	157	ROLL	ROLL	SAI @ 02H +0.62	312	NO	0
STLUCIE2B	27	157	ROLL	ROLL	SAI @ 02H +0.86	313	NO	0
STLUCIE2B	31	157	ROLL	ROLL	SAI @ 02H +0.82	314	NO	0
STLUCIE2B	43	157	ROLL	ROLL	SAI @ 02H +0.58	315	NO	0
STLUCIE2B	49	157	ROLL	ROLL	SAI @ 02H -0.67	316	NO	0
STLUCIE2B	18	158	ROLL	ROLL	SAI @ 02H -0.52	317	NO	0
STLUCIE2B	15	159	ROLL	ROLL	SAI @ 02H +0.92	318	NO	0

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S/G	Row	Line	Hot Leg	Cold Leg	Reason for Tube Repair	Tube Qty.	Stab	Rev.
STLUCIE2B	47	159	ROLL	ROLL	SAI @ 02H -0.86	319	NO	0
STLUCIE2B	16	160	ROLL	ROLL	SAI @ 03H +0.48	320	NO	0
STLUCIE2B	28	160	ROLL	ROLL	SAI @ 02H +0.81	321	NO	0
STLUCIE2B	13	161	ROLL	ROLL	SAI @ 02H -0.41	322	NO	0
STLUCIE2B	14	162	ROLL	ROLL	SAI @ 02H -0.17	323	NO	0
STLUCIE2B	54	26	ROLL	ROLL	SAI @ 01H -0.59	324	NO	1
STLUCIE2B					SAI @ 01H +0.82			
STLUCIE2B	55	43	ROLL	ROLL	SAI @ 02H +0.44	325	NO	1
STLUCIE2B	41	57	ROLL	ROLL	SAI @ 01H +0.60	326	NO	1
STLUCIE2B	100	60	ROLL	ROLL	SAI @ 02H +0.80	327	NO	1
STLUCIE2B					SAI @ 02H +0.54			
STLUCIE2B	63	103	ROLL	ROLL	SAI @ TSH -0.10	328	NO	1
STLUCIE2B					SAI @ TSH -0.27			
STLUCIE2B	34	122	ROLL/STAB	ROLL	SCI @ TSH +0.13	329	YES	1
STLUCIE2B	48	128	ROLL	ROLL	SAI @ 01H +0.69	330	NO	1
STLUCIE2B					SAI @ 01H -0.07			
STLUCIE2B	103	129	ROLL	ROLL	SAI @ 03H -0.45	331	NO	1
STLUCIE2B	50	132	ROLL	ROLL	SAI @ 01H -0.46	332	NO	1
STLUCIE2B	11	155	ROLL	ROLL	SAI @ 03H +0.57	333	NO	1
STLUCIE2B					SAI @ 03H -0.51			
STLUCIE2B					SAI @ 02H +0.12			
STLUCIE2B					SAI @ 02H -0.93			
					Totals	333	9	

Notes:

1. All Tubes requiring stabilization shall be stabilized using wire rope stabilizers (part number 1217878-010; nominal 115" Length).

2. All Tubes shall be plugged using part number 1268231-003.

3. The tubes on the above list have been reviewed for skip rolls, over expansions, dents, bulges, and additional indications. No such anomalies or indications were detected that would prohibit installation of the plugs or stabilizers.

4. Revision 1 of the plugging list contains 10 tubes that were withheld from the Rev. 0 list since they contained required or potential in situ locations.

SG STLUCIE2B April 2003 - EOC13

5. The indications queried for in FDMS to generate this list are consistent with those specified in the Analysis Guidelines and include: Bobbin >=40%, +Point MAI, MCI, MMI, MVI, SAI, SCI, SVI, VOL, WAR >= 40%, PTP,LPI

Approvals:

x 5/7/03
FANP Integrity Engineering

x 5-7-03
FPL Engineering/CSI Representative

x 5/7/03
FANP Data Management

x
FPL Site Chemistry Representative

x 5/7/03
FANP Lead Analyst

St. Lucie Unit 2

Steam Generator 2A

Tubes With 1%-19% Through Wall Depth (TWD) Indications

Refueling Outage During SL2-14

Spring 2003

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
3	9	0.27	103	P 2	TWD	17	04H	-0.89	DHT	TEH			26	HOT	600UL
6	138	0.15	154	P 2	TWD	6	07C	-0.58	TEC	TEH			17	HOT	600UL
15	165	0.31	30	P 2	TWD	19	01H	-0.54	TEC	TEH			18	HOT	600UL
16	4	0.26	38	P 2	TWD	16	05H	-1.13	TEC	TEH			24	HOT	600UL
20	166	0.34	142	P 2	TWD	18	01H	+0.82	TEC	TEH	LAR		17	HOT	600UL
21	127	0.21	4	P 2	TWD	12	VS3	+0.88	TEH	TEC			22	COLD	600UL
24	58	0.26	157	P 2	TWD	12	VS3	-0.68	TEH	TEC			8	COLD	600UL
24	60	0.27	57	P 2	TWD	13	VS3	-0.70	TEH	TEC			10	COLD	600UL
24	104	0.60	159	P 2	TWD	15	VS3	+0.86	TEH	TEC			29	COLD	600UL
29	163	0.28	73	P 2	TWD	17	01C	-0.96	TEC	TEH			17	HOT	600UL
29	165	0.26	101	P 2	TWD	16	01C	-0.99	TEC	TEH			17	HOT	600UL
30	164	0.24	51	P 2	TWD	16	01H	-0.99	TEC	TEH			18	HOT	600UL
31	113	0.23	38	P 2	TWD	7	VS3	-0.26	TEH	TEC			27	COLD	600UL
32	106	0.43	157	P 2	TWD	12	VS3	+0.62	TEH	TEC			29	COLD	600UL
35	5	0.38	115	P 2	TWD	14	01H	-0.99	TEC	TEH	HR		24	HOT	600UL
35	69	0.41	59	P 2	TWD	17	DHT	+0.00	TEH	TEC	HR		38	COLD	600UL
36	164	0.32	161	P 2	TWD	17	01H	+0.99	TEC	TEH	LAR		17	HOT	600UL
37	67	0.28	116	P 2	TWD	19	VS3	+0.78	TEH	TEC	HR		9	COLD	600UL
		0.27	140	P 2	TWD	18	DCB	+0.13	TEH	TEC	HR		9	COLD	600UL
37	119	0.18	26	P 2	TWD	11	VS3	+1.03	TEH	TEC	HR		24	COLD	600UL
37	121	0.18	152	P 2	TWD	11	VS3	+0.63	TEH	TEC	HR		24	COLD	600UL
37	123	0.25	128	P 2	TWD	14	VS3	-0.65	TEH	TEC	HR		24	COLD	600UL
37	125	0.31	150	P 2	TWD	13	VS3	-0.86	TEH	TEC	HR		24	COLD	600UL
38	66	0.26	149	P 2	TWD	15	VS3	+0.60	TEH	TEC			20	COLD	600UL
		0.26	90	P 2	TWD	18	VS3	+0.72	TSH	TEC			9	COLD	600UL
38	96	0.18	142	P 2	TWD	7	DHB	+0.00	TEH	TEC			42	COLD	600UL
38	124	0.40	156	P 2	TWD	18	VS3	+1.00	TEH	TEC			25	COLD	600UL
38	126	0.40	153	P 2	TWD	18	VS3	+1.02	TEH	TEC			25	COLD	600UL
38	162	0.38	142	P 2	TWD	19	01H	+0.76	TEC	TEH	LAR		17	HOT	600UL
39	51	0.33	144	P 2	TWD	17	VS3	+0.75	TEH	TEC			5	COLD	600UL
39	99	0.53	68	P 2	TWD	19	DCB	+0.00	TEH	TEC			42	COLD	600UL
39	109	0.18	142	P 2	TWD	10	VS3	+1.07	TEH	TEC			26	COLD	600UL
39	123	0.29	153	P 2	TWD	11	VS3	+0.86	TEH	TEC	HR		25	COLD	600UL
40	40	0.31	156	P 2	TWD	19	VS3	+0.69	TEH	TEC	HR		3	COLD	600UL
40	70	0.44	95	P 2	TWD	18	DHB	+0.00	TEH	TEC			38	COLD	600UL
		0.48	140	P 2	TWD	19	DCT	+0.00	TEH	TEC			38	COLD	600UL
40	100	0.58	139	P 2	TWD	16	VS3	-0.83	TEH	TEC			29	COLD	600UL
		0.45	140	P 2	TWD	13	DCB	+0.00	TEH	TEC			29	COLD	600UL
40	102	0.56	159	P 2	TWD	15	VS3	-0.94	TEH	TEC			29	COLD	600UL
40	112	0.22	100	P 2	TWD	12	VS3	+0.91	TEH	TEC			26	COLD	600UL
40	118	0.27	129	P 2	TWD	15	VS3	+0.91	TEH	TEC	HR		24	COLD	600UL
41	15	0.21	71	P 2	TWD	14	VS3	+1.02	TEC	TEH			20	HOT	600UL
41	49	0.34	77	P 2	TWD	17	VS3	-0.86	TEH	TEC			5	COLD	600UL
41	61	0.27	76	P 2	TWD	18	VS3	-0.77	TEH	TEC			9	COLD	600UL
41	97	0.56	147	P 2	TWD	19	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
41	101	0.16	40	P 2	TWD	12	DCT	+0.00	TEH	TEC			28	COLD	600UL
41	115	0.18	155	P 2	TWD	10	VS3	+0.72	TEH	TEC			26	COLD	600UL
41	117	0.21	147	P 2	TWD	13	VS3	+1.01	TEH	TEC	HR		24	COLD	600UL
41	123	0.23	98	P 2	TWD	14	VS3	+0.91	TEH	TEC			24	COLD	600UL
41	125	0.29	43	P 2	TWD	16	VS3	-0.72	TEH	TEC			24	COLD	600UL
41	127	0.29	138	P 2	TWD	19	VS3	-0.69	TEH	TEC			22	COLD	600UL
41	129	0.22	124	P 2	TWD	16	VS3	-0.51	TEH	TEC			22	COLD	600UL
42	70	0.22	110	P 2	TWD	14	DCT	+0.00	TEH	TEC	HR		37	COLD	600UL
42	96	0.39	145	P 2	TWD	15	VS3	-0.92	TEH	TEC	HR		42	COLD	600UL
42	124	0.46	152	P 2	TWD	19	VS3	-0.93	TEH	TEC			25	COLD	600UL
42	134	0.24	63	P 2	TWD	15	VS3	-0.78	TEC	TEH			40	HOT	600UL
43	73	0.29	102	P 2	TWD	18	DHT	+0.00	TEH	TEC	HR		37	COLD	600UL
43	93	0.37	51	P 2	TWD	14	VS3	+0.93	TEH	TEC			42	COLD	600UL
		0.54	142	P 2	TWD	19	DHB	+0.00	TEH	TEC			42	COLD	600UL
43	95	0.41	129	P 2	TWD	16	VS3	+1.07	TEH	TEC			42	COLD	600UL
43	97	0.50	106	P 2	TWD	18	DCB	+0.00	TEH	TEC			42	COLD	600UL
		0.48	122	P 2	TWD	17	DCT	+0.00	TEH	TEC			42	COLD	600UL
43	99	0.37	41	P 2	TWD	14	DHB	+0.00	TEH	TEC			42	COLD	600UL
44	42	0.23	0	P 2	TWD	15	VS3	+0.12	TEH	TEC			3	COLD	600UL
		0.23	0	P 2	TWD	15	VS3	+0.60	TEH	TEC			3	COLD	600UL
44	62	0.17	99	P 2	TWD	12	VS3	+0.65	TEH	TEC	HR		9	COLD	600UL
44	94	0.29	137	P 2	TWD	12	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
44	100	0.69	90	P 2	TWD	17	DCT	+0.00	TEH	TEC			29	COLD	600UL
		0.35	129	P 2	TWD	10	VS3	-0.59	TEH	TEC			29	COLD	600UL
44	116	0.42	133	P 2	TWD	18	VS3	+0.94	TEH	TEC			25	COLD	600UL
44	126	0.34	140	P 2	TWD	18	VS3	-0.83	TEH	TEC			24	COLD	600UL
44	156	0.28	114	P 2	TWD	15	VS3	-0.71	TEC	TEH	HR		13	HOT	600UL
45	65	0.27	126	P 2	TWD	13	DHB	+0.24	TEH	TEC			10	COLD	600UL
45	75	0.25	143	P 2	TWD	13	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.32	115	P 2	TWD	15	DCB	+0.00	TEH	TEC			36	COLD	600UL
45	93	0.55	58	P 2	TWD	19	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
45	97	0.47	69	P 2	TWD	17	VS3	+0.92	TEH	TEC			42	COLD	600UL
		0.26	97	P 2	TWD	10	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
		0.50	114	P 2	TWD	18	DCT	+0.00	TEH	TEC			42	COLD	600UL
45	111	0.32	23	P 2	TWD	16	VS3	+1.00	TEH	TEC			27	COLD	600UL

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
45	129	0.14	117	P 2	TWD	11	VS3	-0.61	TEH	TEC	HR		22	COLD	600UL
45	133	0.57	136	P 2	TWD	19	VS3	+0.70	TEC	TEH			4	HOT	600UL
46	72	0.40	122	P 2	TWD	16	DCB	+0.00	TEH	TEC	LAR		38	COLD	600UL
46	90	0.33	31	P 2	TWD	15	DHT	+0.00	TEH	TEC			46	COLD	600UL
46	100	0.28	131	P 2	TWD	18	VS3	-0.85	TEH	TEC			28	COLD	600UL
46	138	0.14	15	P 2	TWD	11	VS3	-0.73	TEC	TEH			8	HOT	600UL
47	105	0.27	102	P 2	TWD	17	VS3	-0.79	TEH	TEC			28	COLD	600UL
		0.13	151	P 2	TWD	10	VS3	+0.77	TEH	TEC			28	COLD	600UL
47	115	0.40	165	P 2	TWD	16	VS3	-1.07	TEH	TEC			27	COLD	600UL
		0.38	93	P 2	TWD	16	VS3	+0.79	TEH	TEC			27	COLD	600UL
48	72	0.27	38	P 2	TWD	17	DCT	+0.00	TEH	TEC			37	COLD	600UL
48	76	0.40	81	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
48	78	0.26	117	P 2	TWD	13	DHT	+0.00	TEH	TEC			34	COLD	600UL
48	90	0.42	43	P 2	TWD	19	DCT	+0.00	TEH	TEC			34	COLD	600UL
48	94	0.44	120	P 2	TWD	16	VS3	-0.97	TEH	TEC			42	COLD	600UL
48	96	0.56	111	P 2	TWD	19	VS3	+1.03	TEH	TEC			42	COLD	600UL
48	100	0.79	64	P 2	TWD	18	DCB	+0.00	TEH	TEC			29	COLD	600UL
48	108	0.29	142	P 2	TWD	15	VS3	-0.68	TEH	TEC			26	COLD	600UL
48	140	0.43	94	P 2	TWD	19	VS3	+0.76	TEC	TEH			7	HOT	600UL
49	47	0.26	86	P 2	TWD	16	VS3	-0.82	TEH	TEC			5	COLD	600UL
49	55	0.41	118	P 2	TWD	18	VS3	-0.96	TEH	TEC			7	COLD	600UL
49	73	0.38	151	P 2	TWD	16	DCT	+0.00	TEH	TEC	HR		38	COLD	600UL
49	75	0.17	16	P 2	TWD	9	DHB	+0.00	TEH	TEC			36	COLD	600UL
49	93	0.41	116	P 2	TWD	15	VS3	-0.85	TEH	TEC			42	COLD	600UL
49	95	0.52	145	P 2	TWD	18	VS3	+1.10	TEH	TEC			42	COLD	600UL
50	82	0.36	100	P 2	TWD	17	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.21	81	P 2	TWD	11	DCT	+0.00	TEH	TEC	HR		34	COLD	600UL
		0.26	23	P 2	TWD	13	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
50	88	0.17	162	P 2	TWD	14	DCT	+0.00	TEH	TEC			36	COLD	600UL
50	90	0.28	131	P 2	TWD	12	05H	+0.87	TEH	TEC			46	COLD	600UL
50	98	0.54	97	P 2	TWD	19	VS3	-0.95	TEH	TEC			42	COLD	600UL
50	100	0.31	149	P 2	TWD	19	VS3	-0.75	TEH	TEC			28	COLD	600UL
50	134	0.27	62	P 2	TWD	18	DCT	+0.00	TEC	TEH			4	HOT	600UL
51	55	0.18	142	P 2	TWD	9	07C	-0.03	TEH	TEC			8	COLD	600UL
51	71	0.44	102	P 2	TWD	18	DCT	+0.00	TEH	TEC	LAR		38	COLD	600UL
51	83	0.42	122	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.43	88	P 2	TWD	19	DCT	+0.00	TEH	TEC			34	COLD	600UL
51	87	0.18	152	P 2	TWD	9	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
51	89	0.20	30	P 2	TWD	10	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
51	95	0.35	58	P 2	TWD	14	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
51	101	0.57	114	P 2	TWD	15	VS3	+0.95	TEH	TEC			29	COLD	600UL
51	119	0.46	32	P 2	TWD	19	VS3	+0.83	TEH	TEC			25	COLD	600UL
52	66	0.24	151	P 2	TWD	16	VS3	-0.95	TEH	TEC			9	COLD	600UL
52	72	0.19	167	P 2	TWD	13	DCT	+0.00	TEH	TEC			37	COLD	600UL
52	74	0.28	98	P 2	TWD	17	DCT	+0.00	TEH	TEC			37	COLD	600UL
52	78	0.38	86	P 2	TWD	18	DHB	+0.00	TEH	TEC			34	COLD	600UL
52	94	0.36	126	P 2	TWD	14	VS3	-0.90	TEH	TEC			42	COLD	600UL
53	81	0.24	160	P 2	TWD	12	DHT	+0.00	TEH	TEC			34	COLD	600UL
53	95	0.26	77	P 2	TWD	11	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
53	107	0.57	116	P 2	TWD	14	VS3	+0.77	TEH	TEC			29	COLD	600UL
53	113	0.30	103	P 2	TWD	15	VS3	+0.97	TEH	TEC			26	COLD	600UL
53	117	0.15	45	P 2	TWD	10	VS3	+0.82	TEH	TEC	HR		24	COLD	600UL
53	119	0.16	156	P 2	TWD	10	VS3	+0.84	TEH	TEC	HR		24	COLD	600UL
53	121	0.18	18	P 2	TWD	11	VS3	-0.89	TEH	TEC	HR		24	COLD	600UL
53	123	0.34	55	P 2	TWD	18	VS3	+0.82	TEH	TEC			24	COLD	600UL
53	139	0.38	115	P 2	TWD	18	VS3	-0.76	TEC	TEH			7	HOT	600UL
53	151	0.20	131	P 2	TWD	11	VS3	-0.84	TEC	TEH	HR		13	HOT	600UL
54	72	0.36	94	P 2	TWD	15	VS3	+0.82	TEH	TEC			38	COLD	600UL
54	80	0.43	116	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.42	122	P 2	TWD	19	DCB	+0.00	TEH	TEC			34	COLD	600UL
54	86	0.38	70	P 2	TWD	17	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.43	87	P 2	TWD	19	VS3	+0.87	TEH	TEC			36	COLD	600UL
		0.41	155	P 2	TWD	18	DCT	+0.00	TEH	TEC			36	COLD	600UL
54	88	0.42	143	P 2	TWD	19	DCB	+0.00	TEH	TEC			36	COLD	600UL
54	90	0.30	72	P 2	TWD	19	VS3	-0.78	TEC	TEH			41	HOT	600UL
		0.30	119	P 2	TWD	19	DCB	+0.00	TEC	TEH			41	HOT	600UL
54	116	0.24	147	P 2	TWD	14	VS3	-0.95	TEH	TEC	HR		24	COLD	600UL
54	126	0.22	163	P 2	TWD	11	VS3	-0.59	TEH	TEC			25	COLD	600UL
55	9	0.14	32	P 2	TWD	10	01H	-0.99	TEC	TEH			20	HOT	600UL
55	73	0.23	152	P 2	TWD	15	DCB	+0.00	TEH	TEC			37	COLD	600UL
55	87	0.46	141	P 2	TWD	19	VS3	-0.75	TEH	TEC			36	COLD	600UL
		0.24	30	P 2	TWD	15	DCB	+0.00	TEH	TEC			36	COLD	600UL
55	93	0.38	126	P 2	TWD	14	DCB	+0.00	TEH	TEC			42	COLD	600UL
56	74	0.29	145	P 2	TWD	18	VS3	+0.76	TEH	TEC			37	COLD	600UL
56	78	0.16	152	P 2	TWD	8	VS3	+0.68	TEH	TEC	HR		34	COLD	600UL
57	63	0.19	32	P 2	TWD	14	VS3	+0.80	TEH	TEC	HR		9	COLD	600UL
57	67	0.26	92	P 2	TWD	17	VS3	+0.80	TEH	TEC	HR		9	COLD	600UL
57	89	0.29	145	P 2	TWD	13	04H	+0.95	TEH	TEC			46	COLD	600UL
57	91	0.34	114	P 2	TWD	19	DHB	+0.00	TEC	TEH			40	HOT	600UL
57	97	0.46	110	P 2	TWD	17	VS3	+0.64	TEH	TEC			42	COLD	600UL

Framatome ANP Inc. 7/11/2003 10:41:28 AM
Customer Name: St. Lucie Unit 2 Component: S/G A

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
57	99	0.44	144	P 2	TWD	16	VS3	-0.71	TEH	TEC			42	COLD	600UL
		0.34	96	P 2	TWD	13	VS3	+0.55	TEH	TEC			42	COLD	600UL
57	155	0.38	122	P 2	TWD	19	VS3	+0.83	TEC	TEH	HR		13	HOT	600UL
60	78	0.34	99	P 2	TWD	16	VS3	+0.89	TEH	TEC			34	COLD	600UL
		0.16	135	P 2	TWD	8	VS4	-0.81	TEH	TEC	HR		34	COLD	600UL
60	82	0.27	48	P 2	TWD	13	DCB	+0.00	TEH	TEC			36	COLD	600UL
61	51	0.23	109	P 2	TWD	12	VS2	-0.09	TEH	TEC			6	COLD	600UL
61	81	0.24	131	P 2	TWD	12	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
61	83	0.13	154	P 2	TWD	7	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
62	86	0.38	158	P 2	TWD	17	VS3	-0.84	TEH	TEC			36	COLD	600UL
63	41	0.42	46	P 2	TWD	19	VS2	+0.69	TEH	TEC	HR		4	COLD	600UL
63	79	0.27	80	P 2	TWD	13	DCB	+0.00	TEH	TEC			34	COLD	600UL
64	44	0.18	0	P 2	TWD	13	VS3	+0.88	TEH	TEC			3	COLD	600UL
64	68	0.26	75	P 2	TWD	18	VS3	+0.80	TEH	TEC			9	COLD	600UL
64	72	0.23	149	P 2	TWD	15	VS4	-0.86	TEH	TEC	LAR		37	COLD	600UL
64	98	0.28	96	P 2	TWD	11	VS4	-1.03	TEH	TEC			42	COLD	600UL
66	142	0.16	160	P 2	TWD	11	VS2	+1.12	TEC	TEH	HR		8	HOT	600UL
72	20	0.36	143	P 2	TWD	18	VS2	-0.59	TEC	TEH	HR		20	HOT	600UL
72	32	0.24	138	P 2	TWD	12	VS2	+0.82	TEC	TEH			5	HOT	600UL
73	77	0.33	146	P 2	TWD	16	VS2	-0.85	TEH	TEC			36	COLD	600UL
		0.30	163	P 2	TWD	14	VS2	+0.70	TEH	TEC			36	COLD	600UL
73	89	0.25	109	P 2	TWD	13	VS3	+0.86	TEH	TEC			34	COLD	600UL
74	16	0.16	167	P 2	TWD	11	VS2	+0.27	TEC	TEH			19	HOT	600UL
75	43	0.32	100	P 2	TWD	18	VS2	+0.80	TEH	TEC			20	COLD	600UL
		0.29	97	P 2	TWD	17	VS4	-1.02	TEH	TEC			20	COLD	600UL
75	49	0.26	28	P 2	TWD	13	VS2	-0.62	TEH	TEC			6	COLD	600UL
75	73	0.25	131	P 2	TWD	16	VS3	+0.80	TEH	TEC	HR		37	COLD	600UL
75	85	0.25	81	P 2	TWD	13	VS3	+0.73	TEH	TEC			34	COLD	600UL
76	84	0.28	118	P 2	TWD	14	VS3	+0.66	TEH	TEC			34	COLD	600UL
76	116	0.22	77	P 2	TWD	13	VS3	+0.99	TEH	TEC			24	COLD	600UL
		0.22	67	P 2	TWD	13	08C	+0.95	TEH	TEC	HR		24	COLD	600UL
77	85	0.35	157	P 2	TWD	16	VS4	+0.84	TEH	TEC			36	COLD	600UL
77	117	0.34	113	P 2	TWD	18	VS3	+1.01	TEH	TEC			24	COLD	600UL
78	52	0.40	159	P 2	TWD	17	VS4	-0.57	TEH	TEC			8	COLD	600UL
78	56	0.37	150	P 2	TWD	16	VS3	+0.38	TEH	TEC			8	COLD	600UL
		0.32	137	P 2	TWD	15	VS4	+0.46	TEH	TEC			8	COLD	600UL
79	63	0.21	36	P 2	TWD	15	VS4	+0.81	TEH	TEC			9	COLD	600UL
79	77	0.09	60	P 2	TWD	4	VS2	-0.71	TEH	TEC			34	COLD	600UL
79	83	0.13	161	P 2	TWD	7	VS2	-0.73	TEH	TEC	HR		34	COLD	600UL
80	68	0.29	135	P 2	TWD	19	VS4	+0.84	TEH	TEC			9	COLD	600UL
80	128	0.30	138	P 2	TWD	19	VS4	-0.94	TEH	TEC			22	COLD	600UL
81	29	0.14	99	P 2	TWD	8	VS4	+0.71	TEC	TEH			31	HOT	600UL
82	40	0.38	109	P 2	TWD	18	VS3	-0.66	TEC	TEH			34	HOT	600UL
		0.27	142	P 2	TWD	14	VS4	-0.70	TEC	TEH			34	HOT	600UL
82	60	0.32	93	P 2	TWD	19	VS3	-0.59	TEC	TEH			42	HOT	600UL
82	72	0.19	146	P 2	TWD	11	VS3	-0.88	TEH	TEC	HR		13	COLD	600UL
82	84	0.27	88	P 2	TWD	15	VS4	-0.69	TEH	TEC	HR		16	COLD	600UL
82	94	0.23	146	P 2	TWD	11	VS2	+0.94	TEH	TEC	HR		18	COLD	600UL
		0.22	115	P 2	TWD	11	VS4	+0.94	TEH	TEC	HR		18	COLD	600UL
82	106	0.25	167	P 2	TWD	13	VS3	+0.00	TEC	TEH	HR		28	HOT	600UL
82	112	0.15	158	P 2	TWD	9	VS2	+0.81	TEC	TEH			32	HOT	600UL
		0.27	160	P 2	TWD	14	VS4	+0.88	TEC	TEH			32	HOT	600UL
		0.33	69	P 2	TWD	17	VS2	+0.37	TEC	TEH			32	HOT	600UL
83	89	0.22	103	P 2	TWD	13	VS2	+0.96	TEH	TEC	HR		18	COLD	600UL
		0.20	126	P 2	TWD	12	VS3	-0.83	TEH	TEC	HR		18	COLD	600UL
		0.32	153	P 2	TWD	17	VS4	-0.60	TEH	TEC	HR		18	COLD	600UL
84	52	0.27	163	P 2	TWD	16	VS2	-0.87	TEC	TEH	LAR		38	HOT	600UL
84	114	0.22	66	P 2	TWD	15	VS4	-0.53	TEC	TEH	HR		33	HOT	600UL
84	120	0.32	137	P 2	TWD	19	VS4	-0.70	TEC	TEH			36	HOT	600UL
		0.21	139	P 2	TWD	14	VS2	-0.91	TEC	TEH			36	HOT	600UL
85	39	0.20	0	P 2	TWD	11	VS2	-0.87	TEC	TEH			35	HOT	600UL
85	53	0.34	50	P 2	TWD	19	08H	+1.01	TEC	TEH			39	HOT	600UL
85	147	0.32	140	P 2	TWD	17	VS2	+0.88	TEC	TEH			27	HOT	600UL
86	20	0.35	33	P 2	TWD	18	VS2	-0.84	TEC	TEH			31	HOT	600UL
86	22	0.36	116	P 2	TWD	19	VS4	+0.87	TEC	TEH			31	HOT	600UL
86	94	0.19	166	P 2	TWD	12	VS4	+0.98	TEH	TEC	HR		18	COLD	600UL
86	118	0.23	46	P 2	TWD	15	VS3	-0.65	TEC	TEH			36	HOT	600UL
86	142	0.28	168	P 2	TWD	11	VS4	-0.89	TEC	TEH			21	HOT	600UL
87	21	0.34	163	P 2	TWD	17	VS2	-0.85	TEC	TEH			30	HOT	600UL
		0.47	119	P 2	TWD	16	VS2	+0.85	TEC	TEH	HR		30	HOT	600UL
87	57	0.25	26	P 2	TWD	16	VS2	+0.99	TEC	TEH			43	HOT	600UL
87	97	0.26	159	P 2	TWD	12	VS4	-0.45	TEH	TEC	HR		18	COLD	600UL
87	101	0.35	43	P 2	TWD	18	VS4	-0.45	TEC	TEH			29	HOT	600UL
87	111	0.14	10	P 2	TWD	10	VS3	-0.88	TEC	TEH			33	HOT	600UL
87	127	0.20	102	P 2	TWD	14	VS2	+0.63	TEC	TEH			41	HOT	600UL
87	143	0.23	145	P 2	TWD	13	VS4	+0.84	TEC	TEH			21	HOT	600UL
88	36	0.37	108	P 2	TWD	18	VS4	+0.86	TEC	TEH	LAR		34	HOT	600UL
88	68	0.29	30	P 2	TWD	17	VS2	-0.88	TEC	TEH			47	HOT	600UL
88	118	0.43	147	P 2	TWD	15	08H	+0.97	TEC	TEH			37	HOT	600UL
89	57	0.33	66	P 2	TWD	19	VS2	+1.04	TEC	TEH			42	HOT	600UL

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
89	67	0.31	40	P 2	TWD	18	VS4	+0.97	TEC	TEH			47	HOT	600UL
90	24	0.24	32	P 2	TWD	14	VS2	-0.93	TEC	TEH			31	HOT	600UL
91	27	0.28	51	P 2	TWD	15	VS4	-0.79	TEC	TEH			30	HOT	600UL
		0.30	153	P 2	TWD	15	VS2	-0.81	TEC	TEH			30	HOT	600UL
91	33	0.20	142	P 2	TWD	11	VS4	+0.95	TEC	TEH			34	HOT	600UL
91	67	0.34	152	P 2	TWD	19	VS2	+0.76	TEC	TEH			46	HOT	600UL
91	103	0.19	147	P 2	TWD	11	VS2	-0.91	TEC	TEH			29	HOT	600UL
91	127	0.18	161	P 2	TWD	14	VS2	-0.67	TEC	TEH			41	HOT	600UL
91	129	0.22	141	P 2	TWD	15	VS2	-0.67	TEC	TEH			41	HOT	600UL
91	131	0.39	150	P 2	TWD	19	VS3	+0.95	TEC	TEH			27	HOT	600UL
92	26	0.30	110	P 2	TWD	16	VS2	+0.69	TEC	TEH			31	HOT	600UL
92	86	0.32	169	P 2	TWD	17	VS4	-0.84	TEH	TEC			16	COLD	600UL
		0.27	166	P 2	TWD	15	VS4	+0.87	TEH	TEC			16	COLD	600UL
92	90	0.19	123	P 2	TWD	10	VS2	+0.57	TEH	TEC			17	COLD	600UL
92	92	0.32	118	P 2	TWD	15	VS3	+0.91	TEH	TEC	HR		18	COLD	600UL
92	112	0.15	62	P 2	TWD	11	VS3	-1.05	TEC	TEH			33	HOT	600UL
92	116	0.21	121	P 2	TWD	14	VS2	-0.52	TEC	TEH			33	HOT	600UL
		0.32	18	P 2	TWD	19	08C	+1.09	TEC	TEH	LAR		33	HOT	600UL
		0.09	15	P 2	TWD	7	08C	-0.50	TEC	TEH			33	HOT	600UL
93	35	0.14	166	P 2	TWD	8	05H	-0.85	TEC	TEH			34	HOT	600UL
93	57	0.16	165	P 2	TWD	12	VS4	-0.93	TEC	TEH	HR		42	HOT	600UL
93	67	0.32	149	P 2	TWD	18	VS3	-0.88	TEC	TEH			47	HOT	600UL
93	87	0.20	164	P 2	TWD	10	VS4	+0.81	TEH	TEC			17	COLD	600UL
93	117	0.22	157	P 2	TWD	12	VS3	+0.54	TEC	TEH	HR		36	HOT	600UL
93	131	0.34	20	P 2	TWD	19	VS2	-0.76	TEC	TEH			21	HOT	600UL
94	34	0.23	160	P 2	TWD	12	VS2	-0.68	TEC	TEH			34	HOT	600UL
94	44	0.36	59	P 2	TWD	19	VS2	+0.73	TEC	TEH			38	HOT	600UL
		0.36	140	P 2	TWD	19	VS2	-0.71	TEC	TEH			38	HOT	600UL
		0.30	114	P 2	TWD	17	DCT	-0.05	TEC	TEH			38	HOT	600UL
94	64	0.29	131	P 2	TWD	18	VS2	-0.69	TEC	TEH			42	HOT	600UL
94	72	0.25	133	P 2	TWD	14	VS2	+0.87	TEH	TEC			13	COLD	600UL
		0.19	130	P 2	TWD	11	VS4	+0.73	TEH	TEC			13	COLD	600UL
94	76	0.31	22	P 2	TWD	19	VS3	+0.00	TEH	TEC			14	COLD	600UL
94	88	0.22	146	P 2	TWD	11	VS3	-0.96	TEH	TEC			17	COLD	600UL
94	96	0.23	81	P 2	TWD	14	VS3	-0.23	TEH	TEC			18	COLD	600UL
94	106	0.16	46	P 2	TWD	9	VS2	+0.96	TEC	TEH	HR		28	HOT	600UL
94	126	0.33	27	P 2	TWD	19	VS2	-0.70	TEC	TEH			40	HOT	600UL
94	144	0.20	128	P 2	TWD	13	01C	+1.04	TEC	TEH			21	HOT	600UL
95	31	0.14	150	P 2	TWD	10	VS2	+0.94	TEC	TEH			55	HOT	600UL
95	59	0.14	114	P 2	TWD	10	VS3	-0.80	TEC	TEH	HR		43	HOT	600UL
		0.27	51	P 2	TWD	16	VS2	+0.69	TEC	TEH			43	HOT	600UL
95	71	0.42	29	P 2	TWD	19	VS2	+0.68	TEH	TEC			13	COLD	600UL
95	81	0.29	94	P 2	TWD	16	VS2	+0.71	TEH	TEC			15	COLD	600UL
95	89	0.29	142	P 2	TWD	14	VS2	-0.98	TEH	TEC			17	COLD	600UL
		0.19	160	P 2	TWD	10	VS2	+0.60	TEH	TEC	HR		17	COLD	600UL
95	127	0.27	125	P 2	TWD	18	VS2	-0.70	TEC	TEH			41	HOT	600UL
95	139	0.40	86	P 2	TWD	19	VS2	-1.00	TEC	TEH			21	HOT	600UL
95	143	0.22	154	P 2	TWD	14	VS2	-0.95	TEC	TEH			21	HOT	600UL
96	30	0.41	160	P 2	TWD	19	VS3	+0.81	TEC	TEH			30	HOT	600UL
		0.56	134	P 2	TWD	18	DCT	+0.00	TEC	TEH	HR		30	HOT	600UL
96	58	0.24	130	P 2	TWD	15	VS3	+0.93	TEC	TEH			42	HOT	600UL
		0.24	26	P 2	TWD	15	VS3	-0.78	TEC	TEH			42	HOT	600UL
96	62	0.26	145	P 2	TWD	17	VS3	-0.66	TEC	TEH			42	HOT	600UL
96	108	0.22	164	P 2	TWD	12	VS2	+1.04	TEC	TEH			29	HOT	600UL
96	128	0.13	169	P 2	TWD	9	VS4	-0.81	TEC	TEH			40	HOT	600UL
		0.13	56	P 2	TWD	9	VS2	-0.90	TEC	TEH			40	HOT	600UL
96	134	0.31	130	P 2	TWD	17	VS2	+0.80	TEC	TEH			27	HOT	600UL
96	138	0.27	135	P 2	TWD	14	VS2	+0.74	TEC	TEH			21	HOT	600UL
96	142	0.20	68	P 2	TWD	12	VS4	-0.80	TEC	TEH	HR		27	HOT	600UL
97	87	0.29	149	P 2	TWD	14	VS3	+0.79	TEH	TEC			17	COLD	600UL
97	93	0.44	108	P 2	TWD	19	VS4	+0.67	TEH	TEC	HR		19	COLD	600UL
		0.26	157	P 2	TWD	12	VS2	+0.82	TEH	TEC			19	COLD	600UL
98	26	0.41	121	P 2	TWD	19	08H	-0.97	TEC	TEH			30	HOT	600UL
98	28	0.23	66	P 2	TWD	13	VS2	+0.90	TEC	TEH			30	HOT	600UL
98	30	0.32	85	P 2	TWD	17	VS3	+0.68	TEC	TEH			31	HOT	600UL
99	27	0.21	100	P 2	TWD	12	VS1	-0.51	TEC	TEH	HR		31	HOT	600UL
101	27	0.25	67	P 2	TWD	13	02H	-0.05	TEC	TEH			30	HOT	600UL
102	120	0.40	70	P 2	TWD	16	VS3	-0.60	TEC	TEH			37	HOT	600UL
102	140	0.45	57	P 2	TWD	17	09H	-0.57	TEC	TEH			21	HOT	600UL
103	37	0.40	34	P 2	TWD	19	DCB	+0.00	TEC	TEH			34	HOT	600UL
103	39	0.27	151	P 2	TWD	14	DCB	+0.00	TEC	TEH			34	HOT	600UL
103	77	0.19	114	P 2	TWD	11	VS2	+0.79	TEH	TEC	HR		13	COLD	600UL
104	138	0.27	16	P 2	TWD	15	08H	+0.86	TEC	TEH			21	HOT	600UL
106	98	0.30	130	P 2	TWD	14	VS4	-0.84	TEH	TEC	HR		18	COLD	600UL
108	32	0.37	73	P 2	TWD	13	VS2	+0.78	TEC	TEH	HR		55	HOT	600UL
111	35	0.39	46	P 2	TWD	18	07H	-1.03	TEC	TEH			34	HOT	600UL
111	87	0.21	137	P 2	TWD	11	VS2	-0.97	TEH	TEC			17	COLD	600UL
117	55	0.20	40	P 2	TWD	13	VS1	+0.77	TEC	TEH	HR		38	HOT	600UL
119	41	0.29	53	P 2	TWD	15	VS1	-0.57	TEC	TEH			34	HOT	600UL
121	49	0.22	119	P 2	TWD	16	DCT	+0.00	TEC	TEH	HR		39	HOT	600UL

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
122	44	0.24	141	P 2	TWD	12	DCB	+0.33	TEC	TEH			34	HOT	600UL
122	50	0.26	114	P 2	TWD	16	DHT	-0.24	TEC	TEH	LAR		38	HOT	600UL
123	47	0.26	139	P 2	TWD	16	VS2	+0.62	TEC	TEH			38	HOT	600UL
123	49	0.17	156	P 2	TWD	12	VS1	+0.89	TEC	TEH			38	HOT	600UL
123	57	0.33	159	P 2	TWD	19	VS1	+0.55	TEC	TEH			43	HOT	600UL
123	113	0.21	147	P 2	TWD	14	VS3	+0.74	TEC	TEH			33	HOT	600UL
		0.17	155	P 2	TWD	12	VS1	-0.52	TEC	TEH			33	HOT	600UL
124	46	0.28	137	P 2	TWD	16	DCT	+0.04	TEC	TEH			38	HOT	600UL
124	66	0.20	149	P 2	TWD	13	VS1	+0.84	TEC	TEH	LAR		47	HOT	600UL
125	47	0.24	78	P 2	TWD	15	DCT	-0.11	TEC	TEH			38	HOT	600UL
125	49	0.13	165	P 2	TWD	10	VS1	+1.09	TEC	TEH			38	HOT	600UL
125	51	0.20	136	P 2	TWD	16	DHB	+2.02	TEC	TEH			39	HOT	600UL
125	59	0.19	120	P 2	TWD	13	VS1	+0.87	TEC	TEH			42	HOT	600UL
		0.23	41	P 2	TWD	15	DCT	+0.00	TEC	TEH			42	HOT	600UL
125	79	0.26	98	P 2	TWD	15	VS1	-0.69	TEH	TEC			16	COLD	600UL
125	99	0.29	154	P 2	TWD	14	09C	-0.98	TEH	TEC			18	COLD	600UL
125	105	0.19	53	P 2	TWD	11	08C	+0.60	TEC	TEH			29	HOT	600UL
125	107	0.22	130	P 2	TWD	11	VS1	+0.95	TEC	TEH			28	HOT	600UL
125	115	0.20	131	P 2	TWD	11	VS1	+0.71	TEC	TEH			32	HOT	600UL
125	121	0.54	31	P 2	TWD	18	DCT	+0.00	TEC	TEH			37	HOT	600UL
		0.26	159	P 2	TWD	10	07H	+0.84	TEC	TEH			37	HOT	600UL
126	58	0.12	168	P 2	TWD	9	09H	+1.01	TEC	TEH			43	HOT	600UL
126	74	0.27	151	P 2	TWD	15	VS2	+0.82	TEH	TEC			13	COLD	600UL
126	104	0.37	125	P 2	TWD	18	VS2	+0.90	TEC	TEH	HR		29	HOT	600UL
127	51	0.13	18	P 2	TWD	10	09H	+0.86	TEC	TEH			38	HOT	600UL
127	57	0.34	74	P 2	TWD	19	VS1	+0.76	TEC	TEH			43	HOT	600UL
127	59	0.21	135	P 2	TWD	14	DCT	+0.00	TEC	TEH	HR		43	HOT	600UL
127	107	0.32	27	P 2	TWD	17	DCT	+0.00	TEC	TEH	HR		29	HOT	600UL
127	117	0.39	91	P 2	TWD	14	VS1	+0.94	TEC	TEH			37	HOT	600UL
128	60	0.26	56	P 2	TWD	16	VS5	-0.71	TEC	TEH			42	HOT	600UL
128	116	0.25	25	P 2	TWD	16	VS2	+0.99	TEC	TEH			33	HOT	600UL
129	55	0.21	84	P 2	TWD	13	DCB	+0.51	TEC	TEH			38	HOT	600UL
129	103	0.37	93	P 2	TWD	19	VS5	-0.88	TEC	TEH			29	HOT	600UL
130	64	0.33	153	P 2	TWD	18	VS1	+0.73	TEC	TEH			46	HOT	600UL
131	79	0.22	148	P 2	TWD	16	VS4	-0.90	TEH	TEC	HR		22	COLD	600UL
132	68	0.22	130	P 2	TWD	15	VS2	-0.94	TEH	TEC			22	COLD	600UL
132	110	0.34	133	P 2	TWD	12	VS5	-0.81	TEH	TEC			23	COLD	600UL
133	67	0.56	46	P 2	TWD	18	VS1	+0.63	TEH	TEC			23	COLD	600UL
133	75	0.57	102	P 2	TWD	19	VS1	+0.65	TEH	TEC			23	COLD	600UL
133	77	0.44	161	P 2	TWD	15	VS5	+0.75	TEH	TEC	HR		23	COLD	600UL
133	109	0.50	139	P 2	TWD	17	DHT	+0.00	TEH	TEC			23	COLD	600UL
134	62	0.30	97	P 2	TWD	10	08H	-1.14	TEH	TEC			23	COLD	600UL
		0.44	69	P 2	TWD	15	VS3	+0.85	TEH	TEC	HR		23	COLD	600UL
		0.50	143	P 2	TWD	17	DHT	+0.00	TEH	TEC	HR		23	COLD	600UL
134	76	0.31	152	P 2	TWD	11	VS5	-0.94	TEH	TEC	HR		23	COLD	600UL
134	100	0.19	144	P 2	TWD	14	VS4	-0.78	TEH	TEC	HR		22	COLD	600UL
135	63	0.55	43	P 2	TWD	18	VS1	+0.80	TEH	TEC			23	COLD	600UL
		0.59	154	P 2	TWD	19	DHB	+0.00	TEH	TEC	HR		23	COLD	600UL
135	73	0.12	37	P 2	TWD	9	VS5	+0.68	TEH	TEC	HR		22	COLD	600UL
135	83	0.27	84	P 2	TWD	18	VS1	-0.83	TEH	TEC			22	COLD	600UL
135	97	0.24	41	P 2	TWD	17	VS5	+0.37	TEH	TEC			22	COLD	600UL
135	99	0.21	164	P 2	TWD	15	VS5	-0.85	TEH	TEC			22	COLD	600UL
136	70	0.47	144	P 2	TWD	16	VS2	+1.08	TEH	TEC			23	COLD	600UL
		0.58	97	P 2	TWD	19	VS3	-0.55	TEH	TEC			23	COLD	600UL
		0.25	155	P 2	TWD	8	VS5	-0.94	TEH	TEC			23	COLD	600UL
136	98	0.17	160	P 2	TWD	13	VS1	-0.85	TEH	TEC	HR		22	COLD	600UL
136	102	0.33	48	P 2	TWD	12	VS1	+0.03	TEH	TEC	HR		23	COLD	600UL
137	99	0.55	67	P 2	TWD	18	VS5	-0.87	TEH	TEC			23	COLD	600UL
139	91	0.49	132	P 2	TWD	17	VS5	+0.73	TEH	TEC	HR		23	COLD	600UL

Total Tubes : 323
Total Records: 379

St. Lucie Unit 2

Steam Generator 2A

Tubes With 20%-39% Through Wall Depth (TWD) Indications

Refueling Outage During SL2-14

Spring 2003

Framatome ANP Inc. 7/11/2003 10:42:07 AM
Customer Name: St. Lucie Unit 2 Component: S/G A

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
3	49	0.45	40	P 2	TWD	24	02C	-0.53	07H	TEC			40	COLD	580SF
14	166	0.50	53	P 2	TWD	25	01C	-0.95	TEC	TEH			18	HOT	600UL
19	63	0.62	57	P 2	TWD	29	VS3	-0.84	TEH	TEC			9	COLD	600UL
20	64	0.52	62	P 2	TWD	21	VS3	-0.80	TEH	TEC			10	COLD	600UL
21	63	0.85	145	P 2	TWD	20	VS3	-1.00	TEH	TEC			21	COLD	600UL
24	62	0.40	144	P 2	TWD	23	VS3	+0.86	TEH	TEC			9	COLD	600UL
24	64	0.30	122	P 2	TWD	20	VS3	-0.75	TEH	TEC			9	COLD	600UL
27	65	0.32	88	P 2	TWD	20	DHB	+0.00	TEH	TEC	HR		9	COLD	600UL
27	165	0.44	129	P 2	TWD	24	01C	-1.02	TEC	TEH			18	HOT	600UL
29	165	0.40	125	P 2	TWD	21	01H	-0.95	TEC	TEH			17	HOT	600UL
31	67	0.64	122	P 2	TWD	24	DCB	+0.00	TEH	TEC			10	COLD	600UL
32	164	0.55	126	P 2	TWD	25	01C	+0.94	TEC	TEH			17	HOT	600UL
33	67	0.42	113	P 2	TWD	24	DCB	+0.10	TEH	TEC	HR		9	COLD	600UL
33	111	0.42	96	P 2	TWD	21	VS3	+0.84	TEH	TEC			27	COLD	600UL
34	68	0.68	124	P 2	TWD	24	DHB	+0.00	TEH	TEC			10	COLD	600UL
35	69	0.86	101	P 2	TWD	26	DHB	+0.00	TEH	TEC			38	COLD	600UL
		1.79	78	P 2	TWD	34	DCB	+0.00	TEH	TEC			38	COLD	600UL
36	62	0.32	93	P 2	TWD	20	VS3	-0.93	TEH	TEC			9	COLD	600UL
37	69	0.57	105	P 2	TWD	27	DHB	+0.00	TEH	TEC			37	COLD	600UL
		1.49	94	P 2	TWD	36	DCB	+0.00	TEH	TEC			37	COLD	600UL
37	99	0.85	93	P 2	TWD	25	DCB	+0.00	TEH	TEC			42	COLD	600UL
38	96	0.65	141	P 2	TWD	21	DCT	+0.00	TEH	TEC			42	COLD	600UL
		1.25	283	P 2	TWD	30	DCB	+0.03	TEH	TEC			42	COLD	600UL
39	63	0.50	124	P 2	TWD	26	VS3	-0.84	TEH	TEC			9	COLD	600UL
39	71	0.64	128	P 2	TWD	23	DCB	+0.00	TEH	TEC			38	COLD	600UL
41	71	0.33	101	P 2	TWD	20	DCB	+0.00	TEH	TEC			37	COLD	600UL
42	70	1.47	99	P 2	TWD	36	DCB	+0.00	TEH	TEC			37	COLD	600UL
42	72	1.37	68	P 2	TWD	32	DHB	+0.00	TEH	TEC			38	COLD	600UL
		0.67	81	P 2	TWD	23	DCT	+0.00	TEH	TEC			38	COLD	600UL
42	96	1.35	78	P 2	TWD	31	DHT	+0.00	TEH	TEC			42	COLD	600UL
42	98	0.81	80	P 2	TWD	24	DCB	+0.00	TEH	TEC			42	COLD	600UL
42	138	0.43	82	P 2	TWD	22	05H	+0.88	TEC	TEH			8	HOT	600UL
43	41	0.46	76	P 2	TWD	20	VS3	+0.70	TEH	TEC			4	COLD	600UL
43	71	0.82	55	P 2	TWD	26	DCB	+0.00	TEH	TEC			38	COLD	600UL
43	73	0.64	76	P 2	TWD	28	DHB	+0.00	TEH	TEC			37	COLD	600UL
		0.50	83	P 2	TWD	25	DCB	+0.00	TEH	TEC			37	COLD	600UL
43	93	0.71	108	P 2	TWD	22	DCB	+0.00	TEH	TEC			42	COLD	600UL
44	70	0.97	118	P 2	TWD	28	DCB	+0.00	TEH	TEC			38	COLD	600UL
44	72	0.55	127	P 2	TWD	26	DHB	+0.00	TEH	TEC			37	COLD	600UL
44	94	0.62	94	P 2	TWD	21	DHB	+0.00	TEH	TEC			42	COLD	600UL
45	71	0.72	131	P 2	TWD	29	DCB	+0.00	TEH	TEC			37	COLD	600UL
45	75	1.08	71	P 2	TWD	31	DHT	+0.00	TEH	TEC			36	COLD	600UL
		0.65	125	P 2	TWD	24	DCT	+0.00	TEH	TEC			36	COLD	600UL
45	91	0.89	71	P 2	TWD	32	DHB	+0.00	TEH	TEC			37	COLD	600UL
		1.76	14	P 2	TWD	38	DHT	+0.00	TEH	TEC			37	COLD	600UL
		1.04	18	P 2	TWD	29	DCT	+0.00	TEH	TEC			37	COLD	600UL
45	99	0.68	99	P 2	TWD	22	VS3	+0.71	TEH	TEC			42	COLD	600UL
46	52	0.62	154	P 2	TWD	23	VS3	-1.15	TEH	TEC			8	COLD	600UL
46	74	0.67	103	P 2	TWD	23	DHB	+0.00	TEH	TEC			38	COLD	600UL
46	76	1.05	108	P 2	TWD	30	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.99	28	P 2	TWD	27	DHT	+0.00	TEH	TEC			36	COLD	600UL
		0.52	144	P 2	TWD	20	DCT	+0.00	TEH	TEC			36	COLD	600UL
46	90	0.92	127	P 2	TWD	27	DCT	+0.00	TEH	TEC			46	COLD	600UL
		0.93	129	P 2	TWD	27	DCB	+0.00	TEH	TEC			46	COLD	600UL
46	100	0.64	53	P 2	TWD	28	VS3	+0.75	TEH	TEC			28	COLD	600UL
46	112	0.53	84	P 2	TWD	25	VS3	+0.64	TEH	TEC			27	COLD	600UL
47	65	0.38	119	P 2	TWD	23	VS3	-0.96	TEH	TEC			9	COLD	600UL
47	77	0.71	84	P 2	TWD	26	DHB	+0.00	TEH	TEC			34	COLD	600UL
		1.23	80	P 2	TWD	33	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.61	106	P 2	TWD	24	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
47	91	0.62	100	P 2	TWD	22	DHB	+0.00	TEH	TEC			38	COLD	600UL
47	97	0.77	134	P 2	TWD	23	VS3	+0.76	TEH	TEC			42	COLD	600UL
		0.81	95	P 2	TWD	24	DCB	+0.00	TEH	TEC			42	COLD	600UL
47	155	0.41	112	P 2	TWD	23	VS3	-0.66	TEC	TEH			14	HOT	600UL
48	50	0.55	103	P 2	TWD	23	VS3	-0.61	TEH	TEC			5	COLD	600UL
48	72	0.43	136	P 2	TWD	23	VS3	+0.53	TEH	TEC			37	COLD	600UL
48	74	0.49	120	P 2	TWD	25	DCT	+0.00	TEH	TEC			37	COLD	600UL
48	76	0.46	91	P 2	TWD	20	DCB	+0.00	TEH	TEC			34	COLD	600UL
48	78	0.75	28	P 2	TWD	27	DHB	+0.00	TEH	TEC			34	COLD	600UL
48	96	0.62	124	P 2	TWD	21	VS3	-1.09	TEH	TEC			42	COLD	600UL
48	102	0.33	49	P 2	TWD	20	DCB	+0.00	TEH	TEC			28	COLD	600UL
49	73	0.90	122	P 2	TWD	27	DCB	+0.00	TEH	TEC			38	COLD	600UL
49	79	1.46	50	P 2	TWD	34	DHT	+0.00	TEH	TEC			36	COLD	600UL
		1.08	123	P 2	TWD	31	DCT	+0.00	TEH	TEC			36	COLD	600UL
		1.66	98	P 2	TWD	36	VS3	+0.79	TEH	TEC			36	COLD	600UL
		1.25	43	P 2	TWD	30	VS3	-0.10	TEH	TEC			36	COLD	600UL
49	87	1.66	114	P 2	TWD	36	DCT	+0.00	TEH	TEC			36	COLD	600UL
49	95	0.81	128	P 2	TWD	24	VS3	-0.91	TEH	TEC			42	COLD	600UL
		1.05	137	P 2	TWD	27	DCT	+0.00	TEH	TEC			42	COLD	600UL
49	161	0.55	139	P 2	TWD	25	VS3	-0.90	TEC	TEH	HR		17	HOT	600UL

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
50	70	0.50	115	P 2	TWD	25	DCB	+0.00	TEH	TEC			37	COLD	600UL
		0.39	114	P 2	TWD	22	VS3	-0.76	TEH	TEC	LAR		37	COLD	600UL
50	72	0.77	101	P 2	TWD	25	DCB	+0.00	TEH	TEC			38	COLD	600UL
50	82	0.85	77	P 2	TWD	29	DCB	+0.02	TEH	TEC			34	COLD	600UL
50	88	1.37	73	P 2	TWD	31	DHT	+0.00	TEH	TEC			36	COLD	600UL
		1.37	84	P 2	TWD	31	DCB	+0.00	TEH	TEC			36	COLD	600UL
50	90	0.70	122	P 2	TWD	24	DCB	+0.00	TEH	TEC			46	COLD	600UL
51	35	0.78	107	P 2	TWD	27	VS3	-0.72	TEC	TEH			5	HOT	600UL
51	73	0.43	78	P 2	TWD	23	DCB	+0.00	TEH	TEC			37	COLD	600UL
51	77	1.66	122	P 2	TWD	35	DCT	+0.00	TEH	TEC			36	COLD	600UL
51	79	0.81	29	P 2	TWD	28	DHT	-0.08	TEH	TEC			34	COLD	600UL
		0.81	105	P 2	TWD	28	DCT	+0.00	TEH	TEC			34	COLD	600UL
51	83	0.57	117	P 2	TWD	23	DCB	+0.00	TEH	TEC			34	COLD	600UL
51	87	1.21	57	P 2	TWD	33	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.68	142	P 2	TWD	26	DHB	+0.00	TEH	TEC			34	COLD	600UL
51	91	0.49	74	P 2	TWD	25	DHB	+0.00	TEC	TEH	HR		41	HOT	600UL
51	113	0.46	100	P 2	TWD	20	VS3	+0.91	TEH	TEC			26	COLD	600UL
51	157	0.85	94	P 2	TWD	32	VS3	-0.52	TEC	TEH			14	HOT	600UL
		0.48	98	P 2	TWD	25	VS3	+0.78	TEC	TEH			14	HOT	600UL
52	84	0.64	124	P 2	TWD	25	DCT	+0.00	TEH	TEC			34	COLD	600UL
52	88	0.55	157	P 2	TWD	23	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.71	95	P 2	TWD	26	DCB	+0.00	TEH	TEC			34	COLD	600UL
52	92	1.14	148	P 2	TWD	29	VS3	+0.86	TEH	TEC			42	COLD	600UL
		0.71	45	P 2	TWD	22	DCT	+0.00	TEH	TEC			42	COLD	600UL
53	73	0.60	59	P 2	TWD	22	DCB	+0.00	TEH	TEC			38	COLD	600UL
53	77	1.31	93	P 2	TWD	34	DHB	+0.00	TEH	TEC			34	COLD	600UL
		1.73	19	P 2	TWD	37	DHT	+0.00	TEH	TEC			34	COLD	600UL
		0.51	124	P 2	TWD	22	DCT	+0.00	TEH	TEC			34	COLD	600UL
53	79	0.52	159	P 2	TWD	21	DCT	+0.00	TEH	TEC			36	COLD	600UL
53	81	0.75	82	P 2	TWD	27	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.99	77	P 2	TWD	31	DCT	+0.00	TEH	TEC			34	COLD	600UL
53	89	1.13	124	P 2	TWD	30	DHB	+0.00	TEH	TEC			46	COLD	600UL
		0.54	29	P 2	TWD	20	DCT	+0.00	TEH	TEC			46	COLD	600UL
53	127	0.81	53	P 2	TWD	31	VS3	-0.72	TEH	TEC			22	COLD	600UL
53	129	0.34	154	P 2	TWD	21	VS3	-0.70	TEH	TEC			22	COLD	600UL
54	74	0.52	160	P 2	TWD	20	DCT	+0.00	TEH	TEC			38	COLD	600UL
54	80	0.78	134	P 2	TWD	28	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.47	139	P 2	TWD	20	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
54	86	0.65	130	P 2	TWD	24	VS3	-0.92	TEH	TEC			36	COLD	600UL
54	96	0.66	99	P 2	TWD	21	VS3	-0.88	TEH	TEC			42	COLD	600UL
54	100	0.44	55	P 2	TWD	23	VS3	+0.79	TEH	TEC			28	COLD	600UL
54	128	0.65	139	P 2	TWD	21	VS3	-0.97	TEH	TEC			23	COLD	600UL
55	73	0.37	38	P 2	TWD	21	VS3	+0.00	TEH	TEC			37	COLD	600UL
55	87	0.78	68	P 2	TWD	26	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.85	122	P 2	TWD	28	DCT	+0.00	TEH	TEC			36	COLD	600UL
56	78	1.35	96	P 2	TWD	35	DCB	+0.00	TEH	TEC			34	COLD	600UL
56	82	0.51	79	P 2	TWD	21	DCT	+0.00	TEH	TEC			36	COLD	600UL
56	84	0.81	76	P 2	TWD	27	DCB	+0.00	TEH	TEC			36	COLD	600UL
56	86	1.54	104	P 2	TWD	36	DCB	+0.00	TEH	TEC			34	COLD	600UL
56	88	0.55	148	P 2	TWD	23	DCT	+0.00	TEH	TEC			34	COLD	600UL
56	92	0.77	173	P 2	TWD	23	DHT	+0.00	TEH	TEC			42	COLD	600UL
56	152	0.99	109	P 2	TWD	33	VS3	-0.57	TEC	TEH			14	HOT	600UL
57	75	0.51	144	P 2	TWD	21	VS3	-0.77	TEH	TEC			36	COLD	600UL
57	77	0.62	122	P 2	TWD	24	DCT	+0.00	TEH	TEC			34	COLD	600UL
57	87	0.68	113	P 2	TWD	26	DCB	+0.00	TEH	TEC			34	COLD	600UL
57	127	0.44	80	P 2	TWD	24	VS3	-0.82	TEH	TEC			22	COLD	600UL
57	133	0.82	115	P 2	TWD	31	VS3	+0.75	TEC	TEH			4	HOT	600UL
58	76	0.65	125	P 2	TWD	24	DCB	+0.00	TEH	TEC			36	COLD	600UL
58	86	1.30	118	P 2	TWD	31	DCB	+0.00	TEH	TEC			36	COLD	600UL
58	92	0.40	151	P 2	TWD	23	DCB	+0.00	TEC	TEH			41	HOT	600UL
59	81	0.52	105	P 2	TWD	21	DCB	+0.00	TEH	TEC			36	COLD	600UL
59	87	0.57	107	P 2	TWD	22	DHB	+0.00	TEH	TEC			36	COLD	600UL
60	82	0.81	114	P 2	TWD	27	DHB	+0.00	TEH	TEC			36	COLD	600UL
60	86	0.47	101	P 2	TWD	20	DHB	+0.00	TEH	TEC			34	COLD	600UL
61	25	0.45	152	P 2	TWD	22	VS4	+0.95	TEC	TEH			16	HOT	600UL
61	79	1.41	143	P 2	TWD	34	DCB	+0.00	TEH	TEC			36	COLD	600UL
61	85	0.60	81	P 2	TWD	23	DCB	+0.00	TEH	TEC			36	COLD	600UL
62	80	1.47	75	P 2	TWD	34	DCB	+0.00	TEH	TEC			36	COLD	600UL
62	86	0.57	157	P 2	TWD	22	DCB	+0.00	TEH	TEC			36	COLD	600UL
66	46	0.58	57	P 2	TWD	22	03H	+0.97	TEH	TEC			6	COLD	600UL
72	42	0.41	71	P 2	TWD	22	VS3	+0.80	TEH	TEC			3	COLD	600UL
72	78	0.88	102	P 2	TWD	27	VS4	+0.43	TEH	TEC			46	COLD	600UL
75	49	0.47	119	P 2	TWD	20	VS3	-0.16	TEH	TEC			6	COLD	600UL
77	51	0.37	128	P 2	TWD	20	VS4	+0.75	TEH	TEC	HR		20	COLD	600UL
78	52	1.31	130	P 2	TWD	31	VS4	+0.84	TEH	TEC			8	COLD	600UL
78	62	1.02	127	P 2	TWD	29	VS2	+0.86	TEH	TEC	HR		10	COLD	600UL
		0.62	150	P 2	TWD	23	VS3	-0.89	TEH	TEC	HR		10	COLD	600UL
		0.98	128	P 2	TWD	29	VS4	+0.58	TEH	TEC	HR		10	COLD	600UL
79	63	0.32	130	P 2	TWD	20	VS2	+0.60	TEH	TEC			9	COLD	600UL
		0.38	89	P 2	TWD	23	VS3	-0.86	TEH	TEC			9	COLD	600UL

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
79	67	0.58	99	P 2	TWD	28	VS2	-0.71	TEH	TEC			9	COLD	600UL
		0.56	104	P 2	TWD	27	VS4	+0.68	TEH	TEC			9	COLD	600UL
81	29	1.03	114	P 2	TWD	31	VS3	+0.73	TEC	TEH			31	HOT	600UL
		0.78	107	P 2	TWD	28	VS4	-0.80	TEC	TEH			31	HOT	600UL
		0.80	47	P 2	TWD	29	VS3	-1.03	TEC	TEH			31	HOT	600UL
		0.89	108	P 2	TWD	30	VS3	-0.04	TEC	TEH			31	HOT	600UL
82	40	0.47	106	P 2	TWD	21	VS4	+0.66	TEC	TEH			34	HOT	600UL
82	44	0.37	115	P 2	TWD	20	VS3	-0.62	TEC	TEH			38	HOT	600UL
		1.14	107	P 2	TWD	33	VS2	+0.84	TEC	TEH			38	HOT	600UL
82	74	0.66	115	P 2	TWD	25	VS2	-0.70	TEH	TEC			13	COLD	600UL
82	90	0.62	143	P 2	TWD	23	VS3	-0.53	TEH	TEC	HR		19	COLD	600UL
84	52	0.72	127	P 2	TWD	28	VS4	+0.68	TEC	TEH			38	HOT	600UL
		1.15	103	P 2	TWD	34	VS3	+0.16	TEC	TEH			38	HOT	600UL
85	83	0.50	106	P 2	TWD	23	VS2	-1.00	TEH	TEC			15	COLD	600UL
85	141	0.72	95	P 2	TWD	27	VS3	+0.93	TEC	TEH			27	HOT	600UL
86	22	1.53	120	P 2	TWD	35	VS3	-0.70	TEC	TEH			31	HOT	600UL
		0.66	91	P 2	TWD	26	VS3	+0.89	TEC	TEH			31	HOT	600UL
		0.97	109	P 2	TWD	31	VS2	+0.91	TEC	TEH			31	HOT	600UL
87	143	0.43	46	P 2	TWD	20	VS2	-0.93	TEC	TEH			21	HOT	600UL
		0.54	72	P 2	TWD	23	VS3	+0.80	TEC	TEH			21	HOT	600UL
88	20	0.70	93	P 2	TWD	26	VS2	-0.81	TEC	TEH			30	HOT	600UL
88	28	0.49	78	P 2	TWD	23	VS4	-0.16	TEC	TEH			31	HOT	600UL
		0.53	80	P 2	TWD	23	VS4	-0.68	TEC	TEH			31	HOT	600UL
		0.53	85	P 2	TWD	23	VS3	-0.92	TEC	TEH			31	HOT	600UL
88	112	0.36	35	P 2	TWD	20	VS4	-0.93	TEC	TEH			33	HOT	600UL
89	21	0.72	83	P 2	TWD	27	VS2	+0.65	TEC	TEH			30	HOT	600UL
89	71	0.35	151	P 2	TWD	20	VS2	+0.95	TEH	TEC			14	COLD	600UL
90	24	0.80	128	P 2	TWD	29	VS3	-0.68	TEC	TEH			31	HOT	600UL
90	58	0.58	39	P 2	TWD	26	DHT	+0.00	TEC	TEH			43	HOT	600UL
		0.39	55	P 2	TWD	21	VS3	-0.64	TEC	TEH			43	HOT	600UL
91	103	0.64	81	P 2	TWD	25	VS4	-0.81	TEC	TEH			29	HOT	600UL
91	133	0.49	146	P 2	TWD	23	08C	+0.95	TEC	TEH			21	HOT	600UL
92	26	0.78	132	P 2	TWD	28	VS4	+0.53	TEC	TEH			31	HOT	600UL
		0.75	42	P 2	TWD	28	VS4	-0.94	TEC	TEH			31	HOT	600UL
		0.46	106	P 2	TWD	22	VS3	-0.91	TEC	TEH			31	HOT	600UL
92	32	0.59	127	P 2	TWD	20	VS2	-0.95	TEC	TEH			34	HOT	600UL
92	86	0.74	141	P 2	TWD	26	VS2	+0.89	TEH	TEC			16	COLD	600UL
		1.49	126	P 2	TWD	34	VS3	-0.81	TEH	TEC			16	COLD	600UL
92	132	0.46	66	P 2	TWD	22	VS2	+0.63	TEC	TEH			21	HOT	600UL
93	57	0.35	9	P 2	TWD	20	DHT	+0.00	TEC	TEH			42	HOT	600UL
93	59	0.64	130	P 2	TWD	27	VS4	+0.91	TEC	TEH			42	HOT	600UL
93	63	0.43	125	P 2	TWD	22	VS2	-0.62	TEC	TEH			42	HOT	600UL
93	75	0.62	156	P 2	TWD	28	VS2	-0.26	TEH	TEC			14	COLD	600UL
93	77	0.35	27	P 2	TWD	20	DCB	-0.24	TEH	TEC			14	COLD	600UL
93	87	0.48	61	P 2	TWD	20	VS2	-0.96	TEH	TEC			17	COLD	600UL
		0.76	120	P 2	TWD	26	VS2	+0.69	TEH	TEC			17	COLD	600UL
93	131	1.12	40	P 2	TWD	33	VS2	+0.76	TEC	TEH			21	HOT	600UL
93	133	0.40	158	P 2	TWD	20	VS2	+0.88	TEC	TEH			27	HOT	600UL
94	64	0.98	117	P 2	TWD	32	VS2	+1.12	TEC	TEH			42	HOT	600UL
		0.43	100	P 2	TWD	22	VS3	+0.91	TEC	TEH			42	HOT	600UL
		0.50	48	P 2	TWD	24	VS4	-0.84	TEC	TEH			42	HOT	600UL
94	88	0.45	145	P 2	TWD	20	VS2	-0.79	TEH	TEC			17	COLD	600UL
		0.59	111	P 2	TWD	23	VS4	+0.82	TEH	TEC			17	COLD	600UL
94	96	1.00	86	P 2	TWD	31	VS2	-0.87	TEH	TEC			18	COLD	600UL
		0.42	146	P 2	TWD	21	VS4	+0.81	TEH	TEC			18	COLD	600UL
94	116	0.48	91	P 2	TWD	21	VS4	-1.09	TEC	TEH			32	HOT	600UL
94	120	0.36	50	P 2	TWD	20	VS4	-0.74	TEC	TEH			36	HOT	600UL
		0.35	147	P 2	TWD	20	VS3	-0.77	TEC	TEH			36	HOT	600UL
		0.95	101	P 2	TWD	31	VS2	+0.51	TEC	TEH			36	HOT	600UL
95	41	0.50	15	P 2	TWD	22	DHT	+0.00	TEC	TEH			34	HOT	600UL
95	57	0.50	91	P 2	TWD	24	VS2	+0.87	TEC	TEH			43	HOT	600UL
95	59	0.66	124	P 2	TWD	27	VS3	+0.64	TEC	TEH			43	HOT	600UL
95	89	0.57	106	P 2	TWD	23	VS4	-0.36	TEH	TEC			17	COLD	600UL
95	105	0.53	137	P 2	TWD	23	VS3	+0.72	TEC	TEH			29	HOT	600UL
96	30	0.50	147	P 2	TWD	22	VS2	+0.86	TEC	TEH			30	HOT	600UL
96	34	0.55	93	P 2	TWD	22	VS2	-0.67	TEC	TEH			35	HOT	600UL
96	58	0.44	94	P 2	TWD	23	VS4	+0.09	TEC	TEH			42	HOT	600UL
96	78	1.01	104	P 2	TWD	33	VS3	-0.81	TEH	TEC			14	COLD	600UL
96	108	0.57	117	P 2	TWD	24	VS2	-0.55	TEC	TEH			29	HOT	600UL
		0.60	89	P 2	TWD	24	VS4	+0.50	TEC	TEH			29	HOT	600UL
		1.18	106	P 2	TWD	32	VS3	-0.79	TEC	TEH			29	HOT	600UL
96	134	0.49	70	P 2	TWD	22	VS3	-0.73	TEC	TEH			27	HOT	600UL
96	138	0.75	124	P 2	TWD	27	VS3	-0.65	TEC	TEH			21	HOT	600UL
97	31	0.47	42	P 2	TWD	22	VS2	+0.53	TEC	TEH	LAR		31	HOT	600UL
97	87	0.60	130	P 2	TWD	23	VS2	-0.74	TEH	TEC			17	COLD	600UL
97	93	0.96	128	P 2	TWD	29	VS3	+0.65	TEH	TEC	HR		19	COLD	600UL
		0.52	130	P 2	TWD	21	VS2	-0.80	TEH	TEC	HR		19	COLD	600UL
97	121	0.64	18	P 2	TWD	20	08C	+0.69	TEC	TEH			37	HOT	600UL
97	127	0.74	120	P 2	TWD	28	VS3	+0.99	TEC	TEH			40	HOT	600UL
97	133	0.60	128	P 2	TWD	25	VS2	-0.24	TEC	TEH			27	HOT	600UL

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.50	48	P 2	TWD	22	VS4	-0.26	TEC	TEH			27	HOT	600UL
97	139	0.60	94	P 2	TWD	25	VS2	-0.93	TEC	TEH			27	HOT	600UL
98	28	1.13	100	P 2	TWD	33	VS4	+0.68	TEC	TEH			30	HOT	600UL
98	30	0.47	54	P 2	TWD	22	VS2	+0.55	TEC	TEH			31	HOT	600UL
102	44	0.37	106	P 2	TWD	20	DCB	+0.00	TEC	TEH			38	HOT	600UL
105	33	0.50	57	P 2	TWD	22	VS2	+0.20	TEC	TEH			34	HOT	600UL
112	76	0.57	134	P 2	TWD	23	VS2	-0.65	TEH	TEC			13	COLD	600UL
122	44	0.75	100	P 2	TWD	27	DCT	+0.00	TEC	TEH			34	HOT	600UL
123	55	0.44	128	P 2	TWD	23	VS1	-0.87	TEC	TEH			39	HOT	600UL
123	113	0.40	136	P 2	TWD	21	VS4	+1.05	TEC	TEH			33	HOT	600UL
124	50	0.54	134	P 2	TWD	27	VS2	-0.73	TEC	TEH			39	HOT	600UL
		0.37	113	P 2	TWD	22	VS1	+0.84	TEC	TEH			39	HOT	600UL
		0.33	56	P 2	TWD	21	DHT	+0.00	TEC	TEH			39	HOT	600UL
126	50	0.55	110	P 2	TWD	25	VS1	+1.15	TEC	TEH			38	HOT	600UL
		0.44	114	P 2	TWD	22	08H	-0.12	TEC	TEH			38	HOT	600UL
126	54	0.47	107	P 2	TWD	23	VS1	+0.82	TEC	TEH			38	HOT	600UL
		0.37	85	P 2	TWD	20	VS1	+0.27	TEC	TEH			38	HOT	600UL
126	72	0.65	129	P 2	TWD	25	08H	+0.92	TEH	TEC			13	COLD	600UL
		0.48	38	P 2	TWD	21	09H	+0.14	TEH	TEC			13	COLD	600UL
126	106	0.43	66	P 2	TWD	20	VS1	-0.87	TEC	TEH			29	HOT	600UL
126	120	0.57	77	P 2	TWD	20	08H	-1.12	TEC	TEH			37	HOT	600UL
127	59	0.66	120	P 2	TWD	27	VS1	+0.93	TEC	TEH			43	HOT	600UL
		0.50	84	P 2	TWD	24	VS1	-0.35	TEC	TEH			43	HOT	600UL
128	52	0.48	31	P 2	TWD	23	DHT	+0.14	TEC	TEH			38	HOT	600UL
128	54	0.44	105	P 2	TWD	22	DHT	+0.00	TEC	TEH	LAR		39	HOT	600UL
128	60	0.41	76	P 2	TWD	22	DHB	+0.00	TEC	TEH			42	HOT	600UL
128	64	0.61	143	P 2	TWD	26	VS1	+0.76	TEC	TEH			47	HOT	600UL
129	57	0.87	46	P 2	TWD	31	DCT	+0.00	TEC	TEH			42	HOT	600UL
129	63	0.37	109	P 2	TWD	20	VS1	+0.67	TEC	TEH			43	HOT	600UL
130	58	0.39	102	P 2	TWD	21	DCB	+0.00	TEC	TEH			43	HOT	600UL
130	60	0.38	145	P 2	TWD	21	DHT	+0.00	TEC	TEH			43	HOT	600UL
132	58	0.87	106	P 2	TWD	25	DHB	+0.00	TEH	TEC			23	COLD	600UL
		0.64	128	P 2	TWD	20	DCB	+0.00	TEH	TEC			23	COLD	600UL
132	64	0.54	100	P 2	TWD	26	DHT	+0.00	TEH	TEC			22	COLD	600UL
132	92	0.45	128	P 2	TWD	24	VS1	+0.90	TEH	TEC			22	COLD	600UL
132	108	0.41	87	P 2	TWD	23	DCB	+0.00	TEH	TEC			22	COLD	600UL
133	63	0.50	77	P 2	TWD	25	VS1	+0.87	TEH	TEC			22	COLD	600UL
134	72	0.65	105	P 2	TWD	21	VS1	+0.95	TEH	TEC			23	COLD	600UL
134	98	0.82	112	P 2	TWD	24	VS3	-0.68	TEH	TEC			23	COLD	600UL
134	102	0.79	122	P 2	TWD	30	DCT	+0.00	TEH	TEC			22	COLD	600UL
135	63	1.12	70	P 2	TWD	28	09H	+0.85	TEH	TEC			23	COLD	600UL
		1.45	92	P 2	TWD	31	VS1	-0.77	TEH	TEC			23	COLD	600UL
135	71	0.34	64	P 2	TWD	21	VS1	-0.85	TEH	TEC			22	COLD	600UL
135	73	0.93	66	P 2	TWD	32	VS1	+0.83	TEH	TEC			22	COLD	600UL
		0.42	138	P 2	TWD	23	VS2	+0.92	TEH	TEC			22	COLD	600UL
		0.55	71	P 2	TWD	26	VS3	+0.72	TEH	TEC			22	COLD	600UL
		1.44	125	P 2	TWD	36	VS4	+1.02	TEH	TEC			22	COLD	600UL
135	95	0.35	145	P 2	TWD	21	VS1	-1.00	TEH	TEC			22	COLD	600UL
135	97	0.74	60	P 2	TWD	30	VS3	+0.95	TEH	TEC			22	COLD	600UL
		0.61	44	P 2	TWD	28	VS1	-0.78	TEH	TEC	LAR		22	COLD	600UL
136	70	1.19	134	P 2	TWD	29	VS1	-0.93	TEH	TEC			23	COLD	600UL
136	76	0.36	98	P 2	TWD	21	DCT	+0.00	TEH	TEC			22	COLD	600UL
137	101	1.06	39	P 2	TWD	27	09H	+1.03	TEH	TEC			23	COLD	600UL
		0.71	135	P 2	TWD	22	DHB	+3.22	TEH	TEC			23	COLD	600UL
138	98	1.90	120	P 2	TWD	34	DHT	+0.00	TEH	TEC			23	COLD	600UL
139	91	1.45	131	P 2	TWD	31	DCT	+0.00	TEH	TEC			23	COLD	600UL
		1.33	87	P 2	TWD	30	DHB	+3.64	TEH	TEC			23	COLD	600UL

Total Tubes : 223
Total Records: 297

St. Lucie Unit 2

Steam Generator 2B

Tubes With 1%-19% Through Wall Depth (TWD) Indications

During Refueling Outage SL2-14

Spring 2003

Framatome ANP Inc. 07/11/03 12:28:35
Customer Name: St. Lucie Unit 2 Component: S/G B

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
1	3	0.17	12	P 2	TWD	11	01C	-1.05	07C	TEC			30	COLD	600UL
1	131	0.13	163	P 2	TWD	6	04H	+0.79	DHT	TEH			18	HOT	600UL
12	166	0.45	87	P 2	TWD	17	01C	-1.01	TEC	TEH			13	HOT	600UL
19	117	0.33	23	P 2	TWD	18	VS3	+0.80	TEH	TEC			41	COLD	600UL
20	104	0.34	109	P 2	TWD	14	VS3	+0.96	TEH	TEC			37	COLD	600UL
22	64	0.24	158	P 2	TWD	16	VS3	+0.87	TEH	TEC			21	COLD	600UL
24	104	0.30	137	P 2	TWD	14	VS3	+0.79	TEH	TEC			36	COLD	600UL
24	106	0.32	146	P 2	TWD	15	VS3	+0.73	TEH	TEC			36	COLD	600UL
25	65	0.28	44	P 2	TWD	17	VS3	+1.01	TEH	TEC			22	COLD	600UL
25	113	0.25	162	P 2	TWD	12	VS3	-0.79	TEH	TEC			38	COLD	600UL
26	104	0.32	131	P 2	TWD	13	VS3	+0.77	TEH	TEC			37	COLD	600UL
27	33	0.18	68	P 2	TWD	9	VS3	+0.65	TEC	TEH			15	HOT	600UL
27	103	0.34	45	P 2	TWD	16	VS3	-0.81	TEH	TEC			36	COLD	600UL
27	163	0.36	26	P 2	TWD	19	VS3	+0.66	TEC	TEH	HR		14	HOT	600UL
28	56	0.16	19	P 2	TWD	11	VS3	-0.87	TEH	TEC			21	COLD	600UL
28	104	0.23	154	P 2	TWD	11	VS3	+0.79	TEH	TEC			36	COLD	600UL
28	106	0.32	74	P 2	TWD	15	VS3	+0.69	TEH	TEC			36	COLD	600UL
29	45	0.26	167	P 2	TWD	16	VS3	-0.65	TEH	TEC			23	COLD	600UL
29	103	0.42	38	P 2	TWD	17	VS3	-0.84	TEH	TEC			37	COLD	600UL
29	107	0.28	62	P 2	TWD	14	VS3	+0.57	TEH	TEC			36	COLD	600UL
30	34	0.20	73	P 2	TWD	10	VS3	-0.79	TEC	TEH			15	HOT	600UL
31	103	0.31	89	P 2	TWD	15	VS3	-0.66	TEH	TEC			49	COLD	600UL
32	4	0.26	132	P 2	TWD	13	02H	+0.91	TEC	TEH			4	HOT	600UL
32	152	0.22	98	P 2	TWD	9	DHT	+0.00	TEC	TEH	HR		9	HOT	600UL
33	101	0.32	161	P 2	TWD	17	DCT	+0.00	TEH	TEC			50	COLD	600UL
33	111	0.24	27	P 2	TWD	14	VS3	-0.80	TEH	TEC			39	COLD	600UL
33	151	0.45	15	P 2	TWD	19	VS3	+0.46	TEC	TEH			10	HOT	600UL
34	4	0.23	123	P 2	TWD	11	02H	-0.91	TEC	TEH			3	HOT	600UL
34	28	0.24	134	P 2	TWD	12	VS3	-1.13	TEC	TEH			11	HOT	600UL
34	98	0.23	17	P 2	TWD	17	DHT	+0.00	TEH	TEC			54	COLD	600UL
		0.25	105	P 2	TWD	18	DCT	+0.00	TEH	TEC	HR		54	COLD	600UL
34	100	0.28	113	P 2	TWD	14	DCB	+0.00	TEH	TEC			49	COLD	600UL
34	104	0.31	169	P 2	TWD	15	VS3	-0.62	TEH	TEC			49	COLD	600UL
34	112	0.27	8	P 2	TWD	16	VS3	-0.72	TEH	TEC			39	COLD	600UL
35	97	0.19	146	P 2	TWD	16	DHB	+0.00	TEH	TEC			16	COLD	600UL
35	103	0.50	138	P 2	TWD	16	VS3	-0.50	TEH	TEC	HR		49	COLD	600UL
35	111	0.21	169	P 2	TWD	11	VS3	-0.87	TEH	TEC			38	COLD	600UL
35	163	0.41	40	P 2	TWD	10	01H	+0.78	TEC	TEH			14	HOT	600UL
36	68	0.28	60	P 2	TWD	13	VS3	-0.67	TEH	TEC			19	COLD	600UL
36	126	0.20	161	P 2	TWD	13	VS3	-1.00	TEH	TEC			43	COLD	600UL
36	164	0.42	84	P 2	TWD	16	01C	-0.02	TEC	TEH			13	HOT	600UL
37	101	0.19	43	P 2	TWD	12	VS3	-0.87	TEH	TEC			50	COLD	600UL
38	68	0.21	159	P 2	TWD	14	VS3	-0.61	TEH	TEC	HR		20	COLD	600UL
38	104	0.31	14	P 2	TWD	15	VS3	+0.58	TEH	TEC			49	COLD	600UL
39	15	0.16	168	P 2	TWD	8	04H	+0.73	TEC	TEH			7	HOT	600UL
39	69	0.24	161	P 2	TWD	15	DHT	+0.00	TEH	TEC			18	COLD	600UL
		0.23	117	P 2	TWD	15	VS3	-0.69	TEH	TEC			18	COLD	600UL
39	133	0.19	50	P 2	TWD	10	VS3	-0.73	TEC	TEH			2	HOT	600UL
39	141	0.28	135	P 2	TWD	12	VS3	+0.89	TEC	TEH			10	HOT	600UL
40	18	0.37	87	P 2	TWD	13	VS3	-0.89	TEC	TEH			8	HOT	600UL
41	55	0.42	68	P 2	TWD	17	VS3	+0.96	TEH	TEC			19	COLD	600UL
42	30	0.31	113	P 2	TWD	14	VS3	-0.80	TEC	TEH			11	HOT	600UL
42	106	0.27	139	P 2	TWD	11	VS3	-0.28	TEH	TEC	HR		37	COLD	600UL
42	136	0.20	21	P 2	TWD	9	VS3	-0.77	TEC	TEH			5	HOT	600UL
43	33	0.33	70	P 2	TWD	15	VS3	+0.83	TEC	TEH			15	HOT	600UL
43	75	0.32	33	P 2	TWD	19	DCB	+0.00	TEH	TEC			18	COLD	600UL
44	26	0.37	28	P 2	TWD	17	VS3	-0.85	TEC	TEH			12	HOT	600UL
44	92	0.35	20	P 2	TWD	18	DCT	+0.02	TEH	TEC	HR		16	COLD	600UL
44	142	0.34	0	P 2	TWD	15	07C	-0.98	TEC	TEH			9	HOT	600UL
45	71	0.46	43	P 2	TWD	19	VS3	-0.67	TEH	TEC			17	COLD	600UL
45	75	0.46	114	P 2	TWD	19	DCB	+0.00	TEH	TEC			17	COLD	600UL
45	97	0.45	154	P 2	TWD	19	VS3	-0.96	TEH	TEC			15	COLD	600UL
46	22	0.35	27	P 2	TWD	16	VS3	+0.90	TEC	TEH			11	HOT	600UL
46	44	0.15	25	P 2	TWD	11	VS3	+0.71	TEH	TEC			24	COLD	600UL
46	66	0.20	152	P 2	TWD	13	VS3	+0.77	TEH	TEC			20	COLD	600UL
46	68	0.18	157	P 2	TWD	12	VS3	+1.03	TEH	TEC			20	COLD	600UL
		0.10	13	P 2	TWD	7	DCT	+0.00	TEH	TEC			20	COLD	600UL
46	96	0.18	162	P 2	TWD	15	DHB	+0.00	TEH	TEC			16	COLD	600UL
46	126	0.40	54	P 2	TWD	17	VS3	-0.74	TEH	TEC			42	COLD	600UL
47	99	0.43	150	P 2	TWD	18	VS3	-0.69	TEH	TEC			15	COLD	600UL
47	101	0.31	137	P 2	TWD	19	VS3	+0.86	TEH	TEC			53	COLD	600UL
47	105	0.35	81	P 2	TWD	16	VS3	-0.79	TEH	TEC			36	COLD	600UL
		0.46	80	P 2	TWD	19	VS3	+0.71	TEH	TEC			36	COLD	600UL
48	22	0.44	0	P 2	TWD	19	VS3	+0.70	TEC	TEH			12	HOT	600UL
48	58	0.11	154	P 2	TWD	8	VS3	+0.81	TEH	TEC			20	COLD	600UL
48	70	0.36	162	P 2	TWD	17	VS3	+0.82	TEH	TEC			17	COLD	600UL
48	72	0.41	46	P 2	TWD	18	VS3	-0.71	TEH	TEC			17	COLD	600UL
48	74	0.23	134	P 2	TWD	12	DHB	+0.00	TEH	TEC			17	COLD	600UL
49	59	0.26	29	P 2	TWD	16	VS3	+0.85	TEH	TEC			20	COLD	600UL
50	36	0.44	61	P 2	TWD	19	VS3	+0.42	TEC	TEH			15	HOT	600UL

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
50	72	0.32	59	P 2	TWD	19	VS3	-0.82	TEH	TEC			18	COLD	600UL
50	82	0.09	78	P 2	TWD	14	DCB	+0.77	TEH	TEC			16	COLD	600UL
50	84	0.10	16	P 2	TWD	15	DHB	+0.36	TEH	TEC			16	COLD	600UL
50	106	0.51	105	P 2	TWD	19	VS3	+0.90	TEH	TEC			37	COLD	600UL
50	108	0.21	164	P 2	TWD	11	VS3	-0.67	TEH	TEC			36	COLD	600UL
50	110	0.27	163	P 2	TWD	13	VS3	-0.71	TEH	TEC			38	COLD	600UL
		0.28	140	P 2	TWD	14	VS3	+0.65	TEH	TEC	HR		38	COLD	600UL
51	81	0.16	156	P 2	TWD	16	DCT	+0.00	TEH	TEC			16	COLD	600UL
51	95	0.41	23	P 2	TWD	18	07H	+0.72	TEH	TEC			15	COLD	600UL
51	115	0.17	166	P 2	TWD	11	VS3	+0.98	TEH	TEC			39	COLD	600UL
51	121	0.37	96	P 2	TWD	19	VS3	+0.76	TEH	TEC			41	COLD	600UL
		0.34	115	P 2	TWD	18	VS3	-1.06	TEH	TEC			41	COLD	600UL
52	8	0.45	143	P 2	TWD	19	01C	-0.98	TEC	TEH			4	HOT	600UL
52	78	0.26	128	P 2	TWD	19	VS3	-1.34	TEH	TEC			16	COLD	600UL
		0.09	152	P 2	TWD	14	DCB	+0.00	TEH	TEC			16	COLD	600UL
52	116	0.13	169	P 2	TWD	7	VS3	-0.79	TEH	TEC			40	COLD	600UL
52	124	0.37	88	P 2	TWD	16	VS3	-0.95	TEH	TEC			42	COLD	600UL
52	146	0.26	144	P 2	TWD	13	VS3	+0.93	TEC	TEH			9	HOT	600UL
		0.46	34	P 2	TWD	19	VS3	-0.73	TEC	TEH			9	HOT	600UL
		0.21	46	P 2	TWD	11	07C	-0.98	TEC	TEH			9	HOT	600UL
53	29	0.28	79	P 2	TWD	14	VS3	+1.01	TEC	TEH			12	HOT	600UL
53	63	0.21	69	P 2	TWD	10	VS3	-0.55	TEH	TEC			19	COLD	600UL
53	77	0.26	127	P 2	TWD	16	DCB	+0.00	TEH	TEC			18	COLD	600UL
53	87	0.37	85	P 2	TWD	17	DCB	+0.00	TEH	TEC			15	COLD	600UL
53	91	0.31	42	P 2	TWD	15	DCT	+0.00	TEH	TEC			15	COLD	600UL
53	103	0.25	22	P 2	TWD	14	DCT	+0.00	TEH	TEC			34	COLD	600UL
53	151	0.19	36	P 2	TWD	7	DCB	+0.00	TEC	TEH			10	HOT	600UL
54	76	0.20	165	P 2	TWD	13	VS3	-0.63	TEH	TEC			18	COLD	600UL
		0.27	59	P 2	TWD	17	VS3	+0.74	TEH	TEC			18	COLD	600UL
54	78	0.16	38	P 2	TWD	16	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	88	0.21	155	P 2	TWD	11	VS3	-0.81	TEH	TEC			15	COLD	600UL
54	118	0.22	77	P 2	TWD	13	VS3	+0.90	TEH	TEC			41	COLD	600UL
54	124	0.17	9	P 2	TWD	11	VS3	+0.90	TEH	TEC			43	COLD	600UL
		0.30	20	P 2	TWD	18	VS3	+0.12	TEH	TEC			43	COLD	600UL
		0.15	6	P 2	TWD	10	VS3	-0.94	TEH	TEC			43	COLD	600UL
54	134	0.32	37	P 2	TWD	15	DCT	-0.24	TEC	TEH	HR		6	HOT	600UL
		0.40	38	P 2	TWD	17	VS3	-0.88	TEC	TEH			6	HOT	600UL
		0.20	21	P 2	TWD	10	DCB	+0.61	TEC	TEH			6	HOT	600UL
54	144	0.34	24	P 2	TWD	16	DCT	+0.00	TEC	TEH			10	HOT	600UL
54	154	0.23	14	P 2	TWD	9	VS3	+0.02	TEC	TEH			10	HOT	600UL
55	15	0.15	171	P 2	TWD	7	04H	+0.88	TEC	TEH			7	HOT	600UL
55	99	0.17	162	P 2	TWD	9	VS3	+1.20	TEH	TEC			15	COLD	600UL
55	135	0.30	68	P 2	TWD	14	DCT	-0.24	TEC	TEH	HR		6	HOT	600UL
55	159	0.20	21	P 2	TWD	13	DHT	+0.00	TEC	TEH	HR		14	HOT	600UL
56	56	0.41	166	P 2	TWD	17	DCT	+0.00	TEH	TEC	HR		19	COLD	600UL
56	76	0.45	151	P 2	TWD	19	VS3	-0.87	TEH	TEC			17	COLD	600UL
56	98	0.28	160	P 2	TWD	14	VS3	+0.83	TEH	TEC			15	COLD	600UL
56	138	0.45	122	P 2	TWD	18	VS3	+1.01	TEC	TEH			5	HOT	600UL
		0.40	126	P 2	TWD	17	VS3	-0.52	TEC	TEH			5	HOT	600UL
56	142	0.26	0	P 2	TWD	13	07C	-0.93	TEC	TEH			9	HOT	600UL
57	137	0.28	22	P 2	TWD	13	VS3	+0.78	TEC	TEH	HR		5	HOT	600UL
59	79	0.16	84	P 2	TWD	14	DCB	+0.00	TEH	TEC			16	COLD	600UL
60	10	0.40	151	P 2	TWD	17	02H	+0.76	TEC	TEH			3	HOT	600UL
60	56	0.45	160	P 2	TWD	18	DCT	+0.00	TEH	TEC	HR		19	COLD	600UL
60	86	0.14	166	P 2	TWD	8	VS3	-0.74	TEH	TEC			15	COLD	600UL
60	92	0.14	132	P 2	TWD	12	VS4	-0.79	TEH	TEC			16	COLD	600UL
60	152	0.16	148	P 2	TWD	5	VS3	+0.86	TEC	TEH			10	HOT	600UL
		0.11	107	P 2	TWD	2	VS4	-0.84	TEC	TEH			10	HOT	600UL
61	79	0.30	28	P 2	TWD	14	DCB	+0.00	TEH	TEC	HR		15	COLD	600UL
61	85	0.46	65	P 2	TWD	19	DCB	+0.00	TEH	TEC			15	COLD	600UL
61	155	0.23	124	P 2	TWD	9	VS2	+0.82	TEC	TEH			9	HOT	600UL
62	12	0.29	119	P 2	TWD	13	01H	-0.93	TEC	TEH			7	HOT	600UL
62	18	0.26	93	P 2	TWD	12	VS3	-0.76	TEC	TEH			7	HOT	600UL
62	46	0.21	57	P 2	TWD	14	VS2	+0.40	TEH	TEC			24	COLD	600UL
62	98	0.29	136	P 2	TWD	14	VS3	-0.78	TEH	TEC			15	COLD	600UL
63	79	0.31	135	P 2	TWD	15	DCB	+0.00	TEH	TEC	HR		15	COLD	600UL
63	143	0.30	73	P 2	TWD	13	VS3	-0.82	TEC	TEH			10	HOT	600UL
64	84	0.34	93	P 2	TWD	16	VS3	-0.30	TEH	TEC			15	COLD	600UL
64	152	0.45	65	P 2	TWD	19	VS4	-0.91	TEC	TEH			10	HOT	600UL
66	94	0.17	128	P 2	TWD	9	VS3	+0.68	TEH	TEC	HR		15	COLD	600UL
67	29	0.32	116	P 2	TWD	15	VS2	-0.97	TEC	TEH			11	HOT	600UL
68	38	0.30	156	P 2	TWD	11	VS2	-0.50	TEH	TEC			25	COLD	600UL
68	50	0.29	99	P 2	TWD	18	VS2	+0.56	TEH	TEC			22	COLD	600UL
69	145	0.33	103	P 2	TWD	15	VS2	+0.81	TEC	TEH			10	HOT	600UL
69	153	0.19	55	P 2	TWD	7	VS4	-0.74	TEC	TEH			10	HOT	600UL
70	138	0.44	127	P 2	TWD	19	VS3	+0.82	TEC	TEH			6	HOT	600UL
71	97	0.18	130	P 2	TWD	15	VS2	+0.62	TEH	TEC			16	COLD	600UL
75	129	0.23	44	P 2	TWD	11	DHB	+0.15	TEH	TEC			42	COLD	600UL
76	146	0.47	58	P 2	TWD	19	VS2	+0.75	TEC	TEH			9	HOT	600UL
		0.33	66	P 2	TWD	15	VS3	+0.95	TEC	TEH			9	HOT	600UL

Framatome ANP Inc. 07/11/03 12:28:35
Customer Name: St. Lucie Unit 2 Component: S/G B

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
77	141	0.31	0	P 2	TWD	14	DCT	+0.00	TEC	TEH			9	HOT	600UL
80	138	0.27	115	P 2	TWD	12	08C	-1.07	TEC	TEH			5	HOT	600UL
81	25	0.40	48	P 2	TWD	16	DCT	+0.00	TEC	TEH			27	HOT	600UL
81	39	0.40	142	P 2	TWD	17	VS4	+0.91	TEC	TEH			41	HOT	600UL
81	41	0.48	78	P 2	TWD	19	VS3	-0.74	TEC	TEH			41	HOT	600UL
81	57	0.27	30	P 2	TWD	14	VS4	-0.68	TEC	TEH	HR		33	HOT	600UL
83	39	0.31	48	P 2	TWD	14	VS2	+0.71	TEC	TEH	HR		41	HOT	600UL
83	55	0.29	135	P 2	TWD	15	VS3	-0.55	TEC	TEH	HR		33	HOT	600UL
		0.32	77	P 2	TWD	16	VS4	+0.70	TEC	TEH	HR		33	HOT	600UL
85	129	0.35	126	P 2	TWD	13	DHB	+0.18	TEC	TEH			25	HOT	600UL
85	147	0.21	126	P 2	TWD	11	VS2	-0.52	TEC	TEH	LAR		22	HOT	600UL
86	48	0.36	30	P 2	TWD	16	VS2	+0.82	TEC	TEH			37	HOT	600UL
87	23	0.50	88	P 2	TWD	19	VS2	+0.98	TEC	TEH			27	HOT	600UL
87	37	0.47	155	P 2	TWD	18	VS2	+0.81	TEC	TEH	HR		24	HOT	600UL
		0.24	38	P 2	TWD	10	VS2	-0.75	TEC	TEH	HR		24	HOT	600UL
87	83	0.26	127	P 2	TWD	14	VS3	-0.94	TEH	TEC			10	COLD	600UL
87	93	0.22	33	P 2	TWD	17	VS3	-0.98	TEH	TEC			7	COLD	600UL
87	103	0.19	137	P 2	TWD	6	VS2	-0.91	TEC	TEH			35	HOT	600UL
87	131	0.37	92	P 2	TWD	15	VS2	-0.61	TEC	TEH			21	HOT	600UL
87	135	0.32	24	P 2	TWD	14	VS3	-0.78	TEC	TEH	HR		21	HOT	600UL
		0.29	44	P 2	TWD	12	VS2	-0.96	TEC	TEH			21	HOT	600UL
88	24	0.40	54	P 2	TWD	18	VS2	+0.88	TEC	TEH			28	HOT	600UL
88	108	0.26	47	P 2	TWD	13	05H	+1.14	TEC	TEH			36	HOT	600UL
88	128	0.31	88	P 2	TWD	11	08C	-0.89	TEC	TEH			25	HOT	600UL
88	138	0.45	146	P 2	TWD	18	DCB	+0.00	TEC	TEH			21	HOT	600UL
89	29	0.44	13	P 2	TWD	18	DHT	+0.00	TEC	TEH			27	HOT	600UL
89	89	0.27	162	P 2	TWD	14	VS2	-0.71	TEH	TEC			8	COLD	600UL
89	97	0.41	125	P 2	TWD	18	VS4	-0.84	TEH	TEC			8	COLD	600UL
89	101	0.17	72	P 2	TWD	9	06H	+0.94	TEC	TEH			36	HOT	600UL
89	135	0.28	16	P 2	TWD	14	VS2	+0.74	TEC	TEH	LAR		22	HOT	600UL
		0.27	90	P 2	TWD	13	VS2	-0.94	TEC	TEH	LAR		22	HOT	600UL
91	25	0.44	120	P 2	TWD	18	DCT	+0.00	TEC	TEH			27	HOT	600UL
91	27	0.41	109	P 2	TWD	17	VS4	-0.85	TEC	TEH			27	HOT	600UL
91	101	0.32	147	P 2	TWD	10	VS2	-0.70	TEC	TEH			35	HOT	600UL
92	28	0.23	104	P 2	TWD	12	VS2	+0.85	TEC	TEH			28	HOT	600UL
		0.22	13	P 2	TWD	11	VS2	-0.67	TEC	TEH			28	HOT	600UL
92	30	0.33	84	P 2	TWD	16	VS4	-0.94	TEC	TEH	HR		28	HOT	600UL
92	102	0.23	91	P 2	TWD	12	VS2	+0.62	TEC	TEH			36	HOT	600UL
92	138	0.40	28	P 2	TWD	16	VS2	+0.78	TEC	TEH			21	HOT	600UL
93	23	0.28	139	P 2	TWD	14	DCT	+0.00	TEC	TEH			28	HOT	600UL
93	97	0.21	34	P 2	TWD	11	VS4	+0.66	TEH	TEC			8	COLD	600UL
93	109	0.12	167	P 2	TWD	7	VS2	-0.95	TEC	TEH			32	HOT	600UL
93	127	0.44	161	P 2	TWD	15	VS3	+0.43	TEC	TEH			25	HOT	600UL
94	26	0.32	102	P 2	TWD	14	VS2	+0.98	TEC	TEH			27	HOT	600UL
		0.35	105	P 2	TWD	15	VS2	-1.00	TEC	TEH			27	HOT	600UL
		0.35	140	P 2	TWD	15	DHT	+0.00	TEC	TEH			27	HOT	600UL
94	36	0.36	107	P 2	TWD	17	VS2	-0.67	TEC	TEH			23	HOT	600UL
94	44	0.24	27	P 2	TWD	12	VS2	-0.72	TEC	TEH			41	HOT	600UL
		0.45	83	P 2	TWD	18	VS4	-1.25	TEC	TEH	HR		41	HOT	600UL
94	98	0.27	159	P 2	TWD	19	VS2	+0.84	TEH	TEC			7	COLD	600UL
94	100	0.63	15	P 2	TWD	18	VS4	+0.89	TEC	TEH			35	HOT	600UL
94	102	0.36	11	P 2	TWD	11	VS3	-0.81	TEC	TEH			35	HOT	600UL
94	104	0.39	157	P 2	TWD	12	08C	+0.88	TEC	TEH			35	HOT	600UL
94	122	0.45	135	P 2	TWD	15	VS2	-1.05	TEC	TEH			25	HOT	600UL
94	126	0.43	141	P 2	TWD	19	VS3	-0.78	TEC	TEH			26	HOT	600UL
		0.39	156	P 2	TWD	17	VS4	+0.86	TEC	TEH	HR		26	HOT	600UL
94	136	0.45	81	P 2	TWD	19	VS4	+0.99	TEC	TEH			22	HOT	600UL
94	140	0.15	15	P 2	TWD	6	VS2	+0.95	TEC	TEH	HR		21	HOT	600UL
94	144	0.36	21	P 2	TWD	15	VS4	+0.75	TEC	TEH			21	HOT	600UL
		0.13	145	P 2	TWD	5	VS3	-0.98	TEC	TEH	HR		21	HOT	600UL
		0.45	92	P 2	TWD	18	VS2	-0.84	TEC	TEH	HR		21	HOT	600UL
95	25	0.25	134	P 2	TWD	12	VS4	-0.83	TEC	TEH			27	HOT	600UL
95	29	0.37	79	P 2	TWD	17	VS2	+0.61	TEC	TEH			28	HOT	600UL
95	41	0.41	42	P 2	TWD	16	VS4	+0.95	TEC	TEH			42	HOT	600UL
		0.49	69	P 2	TWD	18	VS2	+1.00	TEC	TEH			42	HOT	600UL
95	85	0.20	131	P 2	TWD	11	VS2	-0.76	TEH	TEC			10	COLD	600UL
95	95	0.24	18	P 2	TWD	18	VS2	+0.84	TEH	TEC			7	COLD	600UL
		0.24	143	P 2	TWD	18	VS4	-0.66	TEH	TEC			7	COLD	600UL
95	99	0.09	159	P 2	TWD	7	08C	+1.03	TEH	TEC			4	COLD	600UL
95	127	0.43	70	P 2	TWD	19	VS2	-0.36	TEC	TEH			26	HOT	600UL
95	129	0.41	128	P 2	TWD	14	VS2	+0.84	TEC	TEH	HR		26	HOT	600UL
95	131	0.51	23	P 2	TWD	19	VS2	-0.46	TEC	TEH			21	HOT	600UL
96	66	0.29	50	P 2	TWD	14	VS4	+0.73	TEC	TEH			30	HOT	600UL
96	78	0.22	40	P 2	TWD	18	VS3	+0.28	TEH	TEC			12	COLD	600UL
		0.21	141	P 2	TWD	17	VS4	+0.66	TEH	TEC			12	COLD	600UL
		0.13	139	P 2	TWD	12	DCT	-0.24	TEH	TEC	HR		12	COLD	600UL
96	108	0.26	40	P 2	TWD	13	VS4	+0.97	TEC	TEH			36	HOT	600UL
96	120	0.33	100	P 2	TWD	16	VS3	+0.86	TEC	TEH			26	HOT	600UL
97	87	0.41	158	P 2	TWD	17	VS3	+0.79	TEH	TEC			9	COLD	600UL
97	121	0.33	50	P 2	TWD	16	VS2	-0.74	TEC	TEH			26	HOT	600UL

Framatome ANP Inc. 07/11/03 12:28:35
Customer Name: St. Lucie Unit 2 Component: S/G B

Tubes with 1-19% TWD Indications

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
98	62	0.13	88	P 2	TWD	6	VS2	-0.81	TEC	TEH			29	HOT	600UL
98	102	0.40	147	P 2	TWD	12	VS4	-0.95	TEC	TEH			35	HOT	600UL
99	27	0.48	147	P 2	TWD	19	08H	-0.17	TEC	TEH			27	HOT	600UL
100	28	0.33	128	P 2	TWD	16	02H	+0.90	TEC	TEH			28	HOT	600UL
102	60	0.24	21	P 2	TWD	12	VS4	-0.69	TEC	TEH			33	HOT	600UL
102	92	0.22	164	P 2	TWD	11	VS4	-0.46	TEH	TEC			8	COLD	600UL
102	122	0.46	124	P 2	TWD	16	VS1	-0.86	TEC	TEH			25	HOT	600UL
103	75	0.22	126	P 2	TWD	18	VS2	+0.89	TEH	TEC			12	COLD	600UL
103	137	0.36	113	P 2	TWD	15	VS2	+0.76	TEC	TEH	HR		21	HOT	600UL
104	30	0.31	108	P 2	TWD	15	VS3	-1.33	TEC	TEH			28	HOT	600UL
104	134	0.31	103	P 2	TWD	15	VS1	+0.84	TEC	TEH			22	HOT	600UL
106	62	0.27	74	P 2	TWD	12	VS1	+0.11	TEC	TEH			29	HOT	600UL
107	31	0.44	92	P 2	TWD	19	02H	+0.98	TEC	TEH			28	HOT	600UL
		0.38	76	P 2	TWD	17	04C	-0.91	TEC	TEH			28	HOT	600UL
108	32	0.30	144	P 2	TWD	15	02H	-0.84	TEC	TEH			28	HOT	600UL
111	133	0.37	20	P 2	TWD	15	05C	+0.18	TEC	TEH			21	HOT	600UL
112	118	0.16	66	P 2	TWD	8	VS1	+0.52	TEH	TEC			38	COLD	600UL
113	51	0.36	134	P 2	TWD	16	02H	-0.11	TEC	TEH			37	HOT	600UL
116	38	0.44	36	P 2	TWD	17	VS3	+0.86	TEC	TEH			42	HOT	600UL
116	82	0.24	165	P 2	TWD	11	VS4	-0.81	TEH	TEC			9	COLD	600UL
117	39	0.49	93	P 2	TWD	18	DCT	-0.24	TEC	TEH			42	HOT	600UL
121	43	0.40	166	P 2	TWD	15	DCT	+0.00	TEC	TEH			42	HOT	600UL
121	51	0.20	146	P 2	TWD	10	05H	+0.84	TEC	TEH			37	HOT	600UL
121	119	0.18	162	P 2	TWD	10	VS4	-0.88	TEC	TEH			26	HOT	600UL
122	112	0.27	76	P 2	TWD	14	VS4	-0.83	TEC	TEH			31	HOT	600UL
123	45	0.40	60	P 2	TWD	18	DHT	+0.00	TEC	TEH	HR		38	HOT	600UL
124	46	0.22	19	P 2	TWD	11	DCT	+0.00	TEC	TEH			38	HOT	600UL
126	48	0.24	155	P 2	TWD	12	07H	-1.09	TEC	TEH			38	HOT	600UL
127	53	0.15	38	P 2	TWD	8	DCB	-0.06	TEC	TEH			37	HOT	600UL
		0.39	148	P 2	TWD	17	07H	+0.75	TEC	TEH			37	HOT	600UL
129	59	0.47	21	P 2	TWD	19	DCT	+0.00	TEC	TEH			34	HOT	600UL
131	55	0.29	140	P 2	TWD	15	05H	-1.04	TEH	TEC			31	COLD	600UL
132	64	0.55	154	P 2	TWD	19	DCT	-0.16	TEH	TEC	HR		29	COLD	600UL
132	80	0.44	149	P 2	TWD	16	VS1	+0.79	TEH	TEC			29	COLD	600UL
132	110	0.36	164	P 2	TWD	14	VS5	+0.88	TEH	TEC			29	COLD	600UL
133	61	0.42	22	P 2	TWD	19	DHT	-0.24	TEH	TEC			31	COLD	600UL
133	109	0.27	19	P 2	TWD	11	08H	-1.10	TEH	TEC			29	COLD	600UL
		0.27	135	P 2	TWD	11	08H	+0.77	TEH	TEC			29	COLD	600UL
134	60	0.21	122	P 2	TWD	11	DCT	+0.02	TEH	TEC	HR		31	COLD	600UL
134	68	0.44	92	P 2	TWD	16	DHB	+0.00	TEH	TEC			29	COLD	600UL
137	75	0.25	31	P 2	TWD	13	05H	+0.80	TEH	TEC			31	COLD	600UL
137	99	0.31	158	P 2	TWD	15	VS1	+0.93	TEH	TEC			31	COLD	600UL

Total Tubes : 247
Total Records: 282

St. Lucie Unit 2

Steam Generator 2B

Tubes With 20%-39% Through Wall Depth (TWD) Indications

During Refueling Outage SL2-14

Spring 2003

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
32	106	0.64	87	P 2	TWD	23	VS3	-0.81	TEH	TEC			36	COLD	600UL
33	99	0.50	23	P 2	TWD	20	DCB	+0.00	TEH	TEC			15	COLD	600UL
34	68	0.39	49	P 2	TWD	21	DHB	+0.00	TEH	TEC	HR		20	COLD	600UL
		0.56	133	P 2	TWD	26	DCT	+0.00	TEH	TEC			20	COLD	600UL
		1.04	93	P 2	TWD	34	DCB	+0.00	TEH	TEC			20	COLD	600UL
34	98	0.55	120	P 2	TWD	28	DHB	+0.00	TEH	TEC			54	COLD	600UL
		0.42	84	P 2	TWD	25	VS3	-0.82	TEH	TEC			54	COLD	600UL
		0.40	105	P 2	TWD	24	VS3	+0.54	TEH	TEC			54	COLD	600UL
		0.29	114	P 2	TWD	20	DCB	+0.00	TEH	TEC			54	COLD	600UL
34	100	0.58	89	P 2	TWD	23	DHB	+0.00	TEH	TEC			49	COLD	600UL
		1.34	91	P 2	TWD	34	DHT	+0.00	TEH	TEC			49	COLD	600UL
34	102	0.73	117	P 2	TWD	26	VS3	+0.64	TEH	TEC			49	COLD	600UL
34	108	0.77	85	P 2	TWD	26	VS3	-0.73	TEH	TEC			36	COLD	600UL
35	69	0.50	154	P 2	TWD	25	DCT	+0.00	TEH	TEC			18	COLD	600UL
35	71	0.63	118	P 2	TWD	28	DCB	+0.00	TEH	TEC			18	COLD	600UL
		0.39	36	P 2	TWD	21	DHT	+0.00	TEH	TEC			18	COLD	600UL
35	101	0.69	91	P 2	TWD	25	VS3	-0.82	TEH	TEC			49	COLD	600UL
36	68	0.61	78	P 2	TWD	22	VS3	+0.91	TEH	TEC			19	COLD	600UL
36	70	0.45	26	P 2	TWD	23	DHB	+0.00	TEH	TEC			18	COLD	600UL
		0.71	121	P 2	TWD	30	DCB	+0.00	TEH	TEC			18	COLD	600UL
37	71	0.79	66	P 2	TWD	26	DHT	-0.02	TEH	TEC			17	COLD	600UL
37	99	0.82	123	P 2	TWD	33	VS3	-0.74	TEH	TEC			54	COLD	600UL
		0.52	69	P 2	TWD	27	VS3	-0.34	TEH	TEC			54	COLD	600UL
		0.57	69	P 2	TWD	28	DHB	+0.00	TEH	TEC			54	COLD	600UL
		0.74	41	P 2	TWD	31	DCB	+0.00	TEH	TEC			54	COLD	600UL
39	65	0.51	47	P 2	TWD	22	VS3	-0.83	TEH	TEC			48	COLD	600UL
39	69	0.56	143	P 2	TWD	26	VS3	+0.61	TEH	TEC			18	COLD	600UL
40	70	0.55	154	P 2	TWD	22	VS3	+0.92	TEH	TEC			17	COLD	600UL
40	104	0.82	115	P 2	TWD	28	VS3	-0.64	TEH	TEC			49	COLD	600UL
40	162	0.44	56	P 2	TWD	22	01C	-0.96	TEC	TEH			14	HOT	600UL
41	69	0.47	109	P 2	TWD	20	07C	-0.99	TEH	TEC			17	COLD	600UL
42	94	1.33	75	P 2	TWD	33	DCB	+0.00	TEH	TEC			15	COLD	600UL
42	162	0.60	60	P 2	TWD	20	01C	+0.82	TEC	TEH			13	HOT	600UL
43	47	0.42	149	P 2	TWD	23	VS3	-0.89	TEH	TEC			24	COLD	600UL
43	61	0.70	133	P 2	TWD	29	VS3	+0.67	TEH	TEC			20	COLD	600UL
43	93	0.83	8	P 2	TWD	33	DCB	+0.00	TEH	TEC			16	COLD	600UL
		1.07	8	P 2	TWD	35	DHT	+0.00	TEH	TEC			16	COLD	600UL
44	76	1.09	99	P 2	TWD	35	DHB	+0.00	TEH	TEC			18	COLD	600UL
44	92	0.46	43	P 2	TWD	21	DHB	+0.00	TEH	TEC	HR		16	COLD	600UL
44	94	0.40	31	P 2	TWD	25	DCB	+0.00	TEH	TEC			16	COLD	600UL
45	25	0.65	97	P 2	TWD	24	VS3	-0.75	TEC	TEH			12	HOT	600UL
45	71	0.78	79	P 2	TWD	26	DCT	+0.00	TEH	TEC			17	COLD	600UL
46	70	0.87	138	P 2	TWD	32	VS3	+0.91	TEH	TEC			18	COLD	600UL
46	76	0.42	45	P 2	TWD	22	DHB	+0.00	TEH	TEC			18	COLD	600UL
46	94	0.97	110	P 2	TWD	29	VS3	-0.88	TEH	TEC			15	COLD	600UL
		1.31	128	P 2	TWD	33	DCB	+0.00	TEH	TEC			15	COLD	600UL
47	21	0.48	146	P 2	TWD	20	VS3	-1.05	TEC	TEH			11	HOT	600UL
48	82	0.28	19	P 2	TWD	20	DHT	+0.00	TEH	TEC			16	COLD	600UL
48	84	1.61	116	P 2	TWD	39	DHB	+0.00	TEH	TEC			16	COLD	600UL
		1.43	96	P 2	TWD	38	DCT	+0.00	TEH	TEC			16	COLD	600UL
48	92	0.36	126	P 2	TWD	23	DHB	+0.00	TEH	TEC			16	COLD	600UL
49	59	0.56	53	P 2	TWD	26	VS3	-0.89	TEH	TEC			20	COLD	600UL
50	80	0.55	92	P 2	TWD	28	DHB	+0.00	TEH	TEC			16	COLD	600UL
		0.37	122	P 2	TWD	22	DCT	+0.00	TEH	TEC			16	COLD	600UL
50	84	0.86	107	P 2	TWD	33	DCT	+0.00	TEH	TEC			16	COLD	600UL
50	88	0.27	157	P 2	TWD	20	DHB	+0.00	TEH	TEC			16	COLD	600UL
50	94	0.38	80	P 2	TWD	24	VS3	-0.93	TEH	TEC			16	COLD	600UL
51	79	0.36	146	P 2	TWD	23	DHT	+0.00	TEH	TEC			16	COLD	600UL
		0.50	69	P 2	TWD	27	DCB	+0.00	TEH	TEC			16	COLD	600UL
51	83	0.67	95	P 2	TWD	31	DCT	+0.00	TEH	TEC			16	COLD	600UL
		0.47	37	P 2	TWD	27	DCB	+0.00	TEH	TEC			16	COLD	600UL
51	89	0.58	112	P 2	TWD	29	DHB	+0.00	TEH	TEC			16	COLD	600UL
52	76	0.90	105	P 2	TWD	28	VS3	+0.87	TEH	TEC			17	COLD	600UL
52	78	0.61	130	P 2	TWD	30	VS3	+0.87	TEH	TEC			16	COLD	600UL
		0.61	87	P 2	TWD	30	DCT	+0.00	TEH	TEC			16	COLD	600UL
52	80	2.25	91	P 2	TWD	39	DHB	+0.00	TEH	TEC			15	COLD	600UL
		0.59	55	P 2	TWD	22	VS3	-0.71	TEH	TEC			15	COLD	600UL
		0.85	100	P 2	TWD	27	VS3	+0.67	TEH	TEC			15	COLD	600UL
		0.57	141	P 2	TWD	22	DCT	+0.00	TEH	TEC			15	COLD	600UL
52	84	0.60	118	P 2	TWD	23	DCT	-0.18	TEH	TEC			15	COLD	600UL
52	88	0.68	122	P 2	TWD	31	VS3	+0.69	TEH	TEC			16	COLD	600UL
		0.53	117	P 2	TWD	28	DCB	+0.00	TEH	TEC			16	COLD	600UL
52	90	0.54	34	P 2	TWD	21	DCB	+0.00	TEH	TEC			15	COLD	600UL
52	94	0.54	113	P 2	TWD	28	VS3	-0.87	TEH	TEC			16	COLD	600UL
		0.34	70	P 2	TWD	23	DCB	+0.00	TEH	TEC			16	COLD	600UL
52	116	0.67	29	P 2	TWD	25	VS3	+0.71	TEH	TEC			40	COLD	600UL
53	81	0.89	88	P 2	TWD	28	DHT	+0.10	TEH	TEC			15	COLD	600UL
		0.54	47	P 2	TWD	21	DCT	+0.00	TEH	TEC			15	COLD	600UL
54	22	0.56	116	P 2	TWD	22	VS3	-1.10	TEC	TEH			11	HOT	600UL
54	78	0.49	95	P 2	TWD	27	DHB	+0.00	TEH	TEC			16	COLD	600UL

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.45	106	P 2	TWD	26	DCB	+0.00	TEH	TEC			16	COLD	600UL
54	84	0.37	55	P 2	TWD	21	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	86	0.56	58	P 2	TWD	29	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	88	0.59	59	P 2	TWD	22	VS3	+0.71	TEH	TEC			15	COLD	600UL
54	90	0.43	63	P 2	TWD	26	DCB	+0.00	TEH	TEC			16	COLD	600UL
54	92	1.06	74	P 2	TWD	30	VS3	+0.83	TEH	TEC			15	COLD	600UL
55	77	1.31	124	P 2	TWD	33	DCB	+0.00	TEH	TEC			17	COLD	600UL
55	87	1.16	99	P 2	TWD	36	DCT	+0.00	TEH	TEC			16	COLD	600UL
55	125	0.93	120	P 2	TWD	33	VS3	-0.78	TEH	TEC			43	COLD	600UL
55	139	0.96	73	P 2	TWD	29	VS3	+0.71	TEC	TEH			6	HOT	600UL
56	76	0.87	149	P 2	TWD	28	VS3	+0.87	TEH	TEC			17	COLD	600UL
56	90	0.48	69	P 2	TWD	20	VS3	-0.18	TEH	TEC			15	COLD	600UL
57	51	0.99	54	P 2	TWD	33	VS3	-0.69	TEH	TEC			21	COLD	600UL
57	85	0.68	118	P 2	TWD	24	DCB	+0.00	TEH	TEC			15	COLD	600UL
60	80	0.65	45	P 2	TWD	24	DCB	+0.00	TEH	TEC			15	COLD	600UL
60	92	0.34	95	P 2	TWD	22	VS3	+1.03	TEH	TEC			16	COLD	600UL
60	134	0.56	52	P 2	TWD	21	VS3	-0.65	TEC	TEH			5	HOT	600UL
62	88	0.62	89	P 2	TWD	23	VS3	-0.72	TEH	TEC			15	COLD	600UL
64	34	0.53	53	P 2	TWD	21	VS4	-0.46	TEC	TEH	HR		15	HOT	600UL
64	152	0.61	105	P 2	TWD	24	VS2	-0.71	TEC	TEH			10	HOT	600UL
68	50	0.43	121	P 2	TWD	23	VS3	-0.93	TEH	TEC			22	COLD	600UL
71	97	0.55	146	P 2	TWD	28	VS4	-0.82	TEH	TEC			16	COLD	600UL
82	150	0.55	145	P 2	TWD	20	VS3	+0.80	TEC	TEH			21	HOT	600UL
88	78	0.36	131	P 2	TWD	24	VS2	-0.74	TEH	TEC			12	COLD	600UL
		0.51	102	P 2	TWD	28	VS2	+0.96	TEH	TEC			12	COLD	600UL
88	84	0.59	149	P 2	TWD	22	VS2	+0.83	TEH	TEC			9	COLD	600UL
88	86	0.75	90	P 2	TWD	26	VS3	+0.75	TEH	TEC			9	COLD	600UL
88	120	0.89	14	P 2	TWD	28	VS4	-0.74	TEC	TEH			26	HOT	600UL
89	83	1.39	97	P 2	TWD	34	VS3	-0.83	TEH	TEC			9	COLD	600UL
89	103	0.45	112	P 2	TWD	20	VS2	-0.81	TEC	TEH			36	HOT	600UL
89	111	0.80	53	P 2	TWD	29	VS4	-0.74	TEC	TEH			31	HOT	600UL
89	117	0.72	58	P 2	TWD	28	VS2	-0.78	TEC	TEH			31	HOT	600UL
89	135	0.56	113	P 2	TWD	22	DCB	+0.00	TEC	TEH			22	HOT	600UL
91	29	0.47	85	P 2	TWD	20	DCT	+0.00	TEC	TEH			28	HOT	600UL
92	30	0.50	57	P 2	TWD	21	VS2	+0.76	TEC	TEH			28	HOT	600UL
92	142	0.48	110	P 2	TWD	20	VS2	+0.60	TEC	TEH			22	HOT	600UL
93	49	0.56	83	P 2	TWD	22	VS2	-0.97	TEC	TEH			38	HOT	600UL
93	97	0.48	140	P 2	TWD	20	VS2	+0.74	TEH	TEC			8	COLD	600UL
93	101	0.68	15	P 2	TWD	26	VS3	-0.55	TEC	TEH			36	HOT	600UL
		0.49	26	P 2	TWD	21	VS2	-0.85	TEC	TEH			36	HOT	600UL
94	24	0.66	63	P 2	TWD	23	DCB	+0.00	TEC	TEH			27	HOT	600UL
94	54	0.56	75	P 2	TWD	23	VS3	+0.62	TEC	TEH	HR		33	HOT	600UL
94	100	1.52	80	P 2	TWD	33	VS2	+0.86	TEC	TEH			35	HOT	600UL
		1.27	91	P 2	TWD	29	VS2	-0.70	TEC	TEH			35	HOT	600UL
94	124	0.56	133	P 2	TWD	22	VS3	-0.88	TEC	TEH			26	HOT	600UL
		0.99	118	P 2	TWD	29	VS2	-0.82	TEC	TEH			26	HOT	600UL
94	126	0.53	103	P 2	TWD	21	VS2	-0.96	TEC	TEH			26	HOT	600UL
95	29	0.81	100	P 2	TWD	27	DCT	+0.00	TEC	TEH			28	HOT	600UL
95	143	0.95	128	P 2	TWD	28	VS2	-0.55	TEC	TEH			21	HOT	600UL
96	24	0.51	84	P 2	TWD	21	DCB	+0.00	TEC	TEH			28	HOT	600UL
		0.71	107	P 2	TWD	25	VS4	+0.81	TEC	TEH			28	HOT	600UL
		0.87	50	P 2	TWD	28	08H	-0.95	TEC	TEH			28	HOT	600UL
		0.56	133	P 2	TWD	22	07H	-0.20	TEC	TEH			28	HOT	600UL
96	26	0.73	41	P 2	TWD	26	VS4	+0.10	TEC	TEH			28	HOT	600UL
		0.49	12	P 2	TWD	21	DHT	+0.00	TEC	TEH			28	HOT	600UL
96	34	0.56	123	P 2	TWD	20	VS3	+0.73	TEC	TEH			24	HOT	600UL
		1.48	132	P 2	TWD	33	VS2	-0.77	TEC	TEH			24	HOT	600UL
96	36	0.64	124	P 2	TWD	22	VS2	-0.66	TEC	TEH			24	HOT	600UL
96	78	0.82	97	P 2	TWD	33	VS2	-0.80	TEH	TEC			12	COLD	600UL
96	108	0.76	114	P 2	TWD	27	VS2	-0.85	TEC	TEH			36	HOT	600UL
96	114	0.68	113	P 2	TWD	26	VS4	+0.72	TEC	TEH			32	HOT	600UL
		0.10	36	P 2	TWD	26	VS3	-0.02	TEC	TEH			32	HOT	600UL
		0.54	31	P 2	TWD	23	VS3	-0.87	TEC	TEH			32	HOT	600UL
		0.62	128	P 2	TWD	25	VS2	+0.68	TEC	TEH			32	HOT	600UL
		1.11	58	P 2	TWD	32	VS2	-0.02	TEC	TEH			32	HOT	600UL
		1.19	115	P 2	TWD	33	VS2	-0.83	TEC	TEH			32	HOT	600UL
96	120	0.58	151	P 2	TWD	22	VS3	-0.82	TEC	TEH			26	HOT	600UL
97	27	0.45	55	P 2	TWD	20	VS3	-0.85	TEC	TEH			28	HOT	600UL
97	41	1.04	98	P 2	TWD	29	VS4	+0.84	TEC	TEH			41	HOT	600UL
		0.61	67	P 2	TWD	22	VS3	-0.73	TEC	TEH			41	HOT	600UL
		1.33	92	P 2	TWD	32	VS2	+0.91	TEC	TEH			41	HOT	600UL
97	71	0.72	60	P 2	TWD	25	VS4	+0.97	TEH	TEC			13	COLD	600UL
98	82	0.42	39	P 2	TWD	20	VS3	+0.88	TEH	TEC			10	COLD	600UL
100	28	1.17	108	P 2	TWD	32	DCT	+0.00	TEC	TEH			28	HOT	600UL
101	27	0.87	123	P 2	TWD	28	DCT	+0.00	TEC	TEH			28	HOT	600UL
108	136	0.73	114	P 2	TWD	25	02C	-0.78	TEC	TEH			21	HOT	600UL
125	47	0.48	19	P 2	TWD	20	09C	+0.65	TEC	TEH			38	HOT	600UL
126	48	0.99	11	P 2	TWD	29	DHT	+0.00	TEC	TEH			38	HOT	600UL
126	112	0.50	21	P 2	TWD	23	VS1	-0.95	TEC	TEH			31	HOT	600UL
128	112	0.55	79	P 2	TWD	23	DCT	-0.10	TEC	TEH			32	HOT	600UL

Tubes with 20-39% TWD Indications

QUERY: QueryM2

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
130	58	0.57	22	P 2	TWD	21	DCT	+0.00	TEC	TEH			34	HOT	600UL
131	55	0.80	105	P 2	TWD	29	DCB	+0.55	TEH	TEC			31	COLD	600UL
131	59	0.87	33	P 2	TWD	25	DCT	+0.00	TEH	TEC			29	COLD	600UL
132	58	0.73	104	P 2	TWD	27	VS1	-0.81	TEH	TEC			31	COLD	600UL
		0.53	106	P 2	TWD	22	DCB	+0.26	TEH	TEC			31	COLD	600UL
132	60	0.62	149	P 2	TWD	20	DCT	+0.00	TEH	TEC			29	COLD	600UL
133	59	0.62	49	P 2	TWD	25	DCB	+0.46	TEH	TEC			31	COLD	600UL
134	60	0.58	101	P 2	TWD	24	DHB	+0.73	TEH	TEC	LAR		31	COLD	600UL
135	63	0.59	65	P 2	TWD	24	DHT	+0.02	TEH	TEC			31	COLD	600UL
135	101	1.17	95	P 2	TWD	29	VS1	+0.63	TEH	TEC			29	COLD	600UL
137	67	1.34	109	P 2	TWD	36	DHT	-0.06	TEH	TEC			31	COLD	600UL

Total Tubes : 129
Total Records: 171

St. Lucie Unit 2

Steam Generator 2A

Tubes With 1%-39% Through Wall Depth (TWD) Indications

Remaining in Service After Refueling Outage SL2-14

Spring 2003

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
3	49	0.45	40	P 2	TWD	24	02C	-0.53	07H	TEC			40	COLD	580SF
6	138	0.15	154	P 2	TWD	6	07C	-0.58	TEC	TEH			17	HOT	600UL
14	166	0.50	53	P 2	TWD	25	01C	-0.95	TEC	TEH			18	HOT	600UL
15	165	0.31	30	P 2	TWD	19	01H	-0.54	TEC	TEH			18	HOT	600UL
16	4	0.26	38	P 2	TWD	16	05H	-1.13	TEC	TEH			24	HOT	600UL
19	63	0.62	57	P 2	TWD	29	VS3	-0.84	TEH	TEC			9	COLD	600UL
20	64	0.52	62	P 2	TWD	21	VS3	-0.80	TEH	TEC			10	COLD	600UL
20	166	0.34	142	P 2	TWD	18	01H	+0.82	TEC	TEH	LAR		17	HOT	600UL
21	63	0.85	145	P 2	TWD	20	VS3	-1.00	TEH	TEC			21	COLD	600UL
21	127	0.21	4	P 2	TWD	12	VS3	+0.88	TEH	TEC			22	COLD	600UL
24	58	0.26	157	P 2	TWD	12	VS3	-0.68	TEH	TEC			8	COLD	600UL
24	60	0.27	57	P 2	TWD	13	VS3	-0.70	TEH	TEC			10	COLD	600UL
24	62	0.40	144	P 2	TWD	23	VS3	+0.86	TEH	TEC			9	COLD	600UL
24	64	0.30	122	P 2	TWD	20	VS3	-0.75	TEH	TEC			9	COLD	600UL
24	104	0.60	159	P 2	TWD	15	VS3	+0.86	TEH	TEC			29	COLD	600UL
27	65	0.32	88	P 2	TWD	20	DHB	+0.00	TEH	TEC	HR		9	COLD	600UL
27	165	0.44	129	P 2	TWD	24	01C	-1.02	TEC	TEH			18	HOT	600UL
29	163	0.28	73	P 2	TWD	17	01C	-0.96	TEC	TEH			17	HOT	600UL
29	165	0.40	125	P 2	TWD	21	01H	-0.95	TEC	TEH			17	HOT	600UL
		0.26	101	P 2	TWD	16	01C	-0.99	TEC	TEH			17	HOT	600UL
30	164	0.24	51	P 2	TWD	16	01H	-0.99	TEC	TEH			18	HOT	600UL
31	67	0.64	122	P 2	TWD	24	DCB	+0.00	TEH	TEC			10	COLD	600UL
31	113	0.23	38	P 2	TWD	7	VS3	-0.26	TEH	TEC			27	COLD	600UL
32	106	0.43	157	P 2	TWD	12	VS3	+0.62	TEH	TEC			29	COLD	600UL
32	164	0.55	126	P 2	TWD	25	01C	+0.94	TEC	TEH			17	HOT	600UL
33	67	0.42	113	P 2	TWD	24	DCB	+0.10	TEH	TEC	HR		9	COLD	600UL
33	111	0.42	96	P 2	TWD	21	VS3	+0.84	TEH	TEC			27	COLD	600UL
34	68	0.68	124	P 2	TWD	24	DHB	+0.00	TEH	TEC			10	COLD	600UL
35	5	0.38	115	P 2	TWD	14	01H	-0.99	TEC	TEH	HR		24	HOT	600UL
35	69	0.86	101	P 2	TWD	26	DHB	+0.00	TEH	TEC			38	COLD	600UL
		0.41	59	P 2	TWD	17	DHT	+0.00	TEH	TEC	HR		38	COLD	600UL
		1.79	78	P 2	TWD	34	DCB	+0.00	TEH	TEC			38	COLD	600UL
36	62	0.32	93	P 2	TWD	20	VS3	-0.93	TEH	TEC			9	COLD	600UL
36	164	0.32	161	P 2	TWD	17	01H	+0.99	TEC	TEH	LAR		17	HOT	600UL
37	67	0.28	116	P 2	TWD	19	VS3	+0.78	TEH	TEC	HR		9	COLD	600UL
		0.27	140	P 2	TWD	18	DCB	+0.13	TEH	TEC	HR		9	COLD	600UL
37	69	0.57	105	P 2	TWD	27	DHB	+0.00	TEH	TEC			37	COLD	600UL
		1.49	94	P 2	TWD	36	DCB	+0.00	TEH	TEC			37	COLD	600UL
37	99	0.85	93	P 2	TWD	25	DCB	+0.00	TEH	TEC			42	COLD	600UL
37	119	0.18	26	P 2	TWD	11	VS3	+1.03	TEH	TEC	HR		24	COLD	600UL
37	121	0.18	152	P 2	TWD	11	VS3	+0.63	TEH	TEC	HR		24	COLD	600UL
37	123	0.25	128	P 2	TWD	14	VS3	-0.65	TEH	TEC	HR		24	COLD	600UL
37	125	0.31	150	P 2	TWD	13	VS3	-0.86	TEH	TEC	HR		24	COLD	600UL
38	66	0.26	90	P 2	TWD	18	VS3	+0.72	TSH	TEC			9	COLD	600UL
		0.26	149	P 2	TWD	15	VS3	+0.60	TEH	TEC			20	COLD	600UL
38	96	0.65	141	P 2	TWD	21	DCT	+0.00	TEH	TEC			42	COLD	600UL
		0.18	142	P 2	TWD	7	DHB	+0.00	TEH	TEC			42	COLD	600UL
		1.25	283	P 2	TWD	30	DCB	+0.03	TEH	TEC			42	COLD	600UL
38	124	0.40	156	P 2	TWD	18	VS3	+1.00	TEH	TEC			25	COLD	600UL
38	126	0.40	153	P 2	TWD	18	VS3	+1.02	TEH	TEC			25	COLD	600UL
38	162	0.38	142	P 2	TWD	19	01H	+0.76	TEC	TEH	LAR		17	HOT	600UL
39	51	0.33	144	P 2	TWD	17	VS3	+0.75	TEH	TEC			5	COLD	600UL
39	63	0.50	124	P 2	TWD	26	VS3	-0.84	TEH	TEC			9	COLD	600UL
39	71	0.64	128	P 2	TWD	23	DCB	+0.00	TEH	TEC			38	COLD	600UL
39	99	0.53	68	P 2	TWD	19	DCB	+0.00	TEH	TEC			42	COLD	600UL
39	109	0.18	142	P 2	TWD	10	VS3	+1.07	TEH	TEC			26	COLD	600UL
39	123	0.29	153	P 2	TWD	11	VS3	+0.86	TEH	TEC	HR		25	COLD	600UL
40	40	0.31	156	P 2	TWD	19	VS3	+0.69	TEH	TEC	HR		3	COLD	600UL
40	70	0.44	95	P 2	TWD	18	DHB	+0.00	TEH	TEC			38	COLD	600UL
		0.48	140	P 2	TWD	19	DCT	+0.00	TEH	TEC			38	COLD	600UL
40	102	0.56	159	P 2	TWD	15	VS3	-0.94	TEH	TEC			29	COLD	600UL
40	112	0.22	100	P 2	TWD	12	VS3	+0.91	TEH	TEC			26	COLD	600UL
40	118	0.27	129	P 2	TWD	15	VS3	+0.91	TEH	TEC	HR		24	COLD	600UL
41	15	0.21	71	P 2	TWD	14	VS3	+1.02	TEC	TEH			20	HOT	600UL
41	49	0.34	77	P 2	TWD	17	VS3	-0.86	TEH	TEC			5	COLD	600UL
41	61	0.27	76	P 2	TWD	18	VS3	-0.77	TEH	TEC			9	COLD	600UL
41	71	0.33	101	P 2	TWD	20	DCB	+0.00	TEH	TEC			37	COLD	600UL
41	97	0.56	147	P 2	TWD	19	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
41	101	0.16	40	P 2	TWD	12	DCT	+0.00	TEH	TEC			28	COLD	600UL
41	115	0.18	155	P 2	TWD	10	VS3	+0.72	TEH	TEC			26	COLD	600UL
41	117	0.21	147	P 2	TWD	13	VS3	+1.01	TEH	TEC	HR		24	COLD	600UL
41	123	0.23	98	P 2	TWD	14	VS3	+0.91	TEH	TEC			24	COLD	600UL
41	125	0.29	43	P 2	TWD	16	VS3	-0.72	TEH	TEC			24	COLD	600UL
41	127	0.29	138	P 2	TWD	19	VS3	-0.69	TEH	TEC			22	COLD	600UL
41	129	0.22	124	P 2	TWD	16	VS3	-0.51	TEH	TEC			22	COLD	600UL
42	70	0.22	110	P 2	TWD	14	DCT	+0.00	TEH	TEC	HR		37	COLD	600UL
		1.47	99	P 2	TWD	36	DCB	+0.00	TEH	TEC			37	COLD	600UL
42	72	1.37	68	P 2	TWD	32	DHB	+0.00	TEH	TEC			38	COLD	600UL
		0.67	81	P 2	TWD	23	DCT	+0.00	TEH	TEC			38	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
42	96	1.35	78	P 2	TWD	31	DHT	+0.00	TEH	TEC			42	COLD	600UL
		0.39	145	P 2	TWD	15	VS3	-0.92	TEH	TEC	HR		42	COLD	600UL
42	98	0.81	80	P 2	TWD	24	DCB	+0.00	TEH	TEC			42	COLD	600UL
42	124	0.46	152	P 2	TWD	19	VS3	-0.93	TEH	TEC			25	COLD	600UL
42	134	0.24	63	P 2	TWD	15	VS3	-0.78	TEC	TEH			40	HOT	600UL
42	138	0.43	82	P 2	TWD	22	05H	+0.88	TEC	TEH			8	HOT	600UL
43	41	0.46	76	P 2	TWD	20	VS3	+0.70	TEH	TEC			4	COLD	600UL
43	71	0.82	55	P 2	TWD	26	DCB	+0.00	TEH	TEC			38	COLD	600UL
43	73	0.64	76	P 2	TWD	28	DHB	+0.00	TEH	TEC			37	COLD	600UL
		0.29	102	P 2	TWD	18	DHT	+0.00	TEH	TEC	HR		37	COLD	600UL
		0.50	83	P 2	TWD	25	DCB	+0.00	TEH	TEC			37	COLD	600UL
43	93	0.37	51	P 2	TWD	14	VS3	+0.93	TEH	TEC			42	COLD	600UL
		0.54	142	P 2	TWD	19	DHB	+0.00	TEH	TEC			42	COLD	600UL
		0.71	108	P 2	TWD	22	DCB	+0.00	TEH	TEC			42	COLD	600UL
43	95	0.41	129	P 2	TWD	16	VS3	+1.07	TEH	TEC			42	COLD	600UL
43	97	0.50	106	P 2	TWD	18	DCB	+0.00	TEH	TEC			42	COLD	600UL
		0.48	122	P 2	TWD	17	DCT	+0.00	TEH	TEC			42	COLD	600UL
43	99	0.37	41	P 2	TWD	14	DHB	+0.00	TEH	TEC			42	COLD	600UL
44	42	0.23	0	P 2	TWD	15	VS3	+0.12	TEH	TEC			3	COLD	600UL
		0.23	0	P 2	TWD	15	VS3	+0.60	TEH	TEC			3	COLD	600UL
44	62	0.17	99	P 2	TWD	12	VS3	+0.65	TEH	TEC	HR		9	COLD	600UL
44	70	0.97	118	P 2	TWD	28	DCB	+0.00	TEH	TEC			38	COLD	600UL
44	72	0.55	127	P 2	TWD	26	DHB	+0.00	TEH	TEC			37	COLD	600UL
44	94	0.29	137	P 2	TWD	12	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
		0.62	94	P 2	TWD	21	DHB	+0.00	TEH	TEC			42	COLD	600UL
44	126	0.34	140	P 2	TWD	18	VS3	-0.83	TEH	TEC			24	COLD	600UL
44	156	0.28	114	P 2	TWD	15	VS3	-0.71	TEC	TEH	HR		13	HOT	600UL
45	71	0.72	131	P 2	TWD	29	DCB	+0.00	TEH	TEC			37	COLD	600UL
45	75	0.25	143	P 2	TWD	13	DHB	+0.00	TEH	TEC			36	COLD	600UL
		1.08	71	P 2	TWD	31	DHT	+0.00	TEH	TEC			36	COLD	600UL
		0.65	125	P 2	TWD	24	DCT	+0.00	TEH	TEC			36	COLD	600UL
		0.32	115	P 2	TWD	15	DCB	+0.00	TEH	TEC			36	COLD	600UL
45	91	0.89	71	P 2	TWD	32	DHB	+0.00	TEH	TEC			37	COLD	600UL
		1.76	14	P 2	TWD	38	DHT	+0.00	TEH	TEC			37	COLD	600UL
		1.04	18	P 2	TWD	29	DCT	+0.00	TEH	TEC			37	COLD	600UL
45	93	0.55	58	P 2	TWD	19	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
45	97	0.47	69	P 2	TWD	17	VS3	+0.92	TEH	TEC			42	COLD	600UL
		0.26	97	P 2	TWD	10	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
		0.50	114	P 2	TWD	18	DCT	+0.00	TEH	TEC			42	COLD	600UL
45	99	0.68	99	P 2	TWD	22	VS3	+0.71	TEH	TEC			42	COLD	600UL
45	111	0.32	23	P 2	TWD	16	VS3	+1.00	TEH	TEC			27	COLD	600UL
45	129	0.14	117	P 2	TWD	11	VS3	-0.61	TEH	TEC	HR		22	COLD	600UL
45	133	0.57	136	P 2	TWD	19	VS3	+0.70	TEC	TEH			4	HOT	600UL
46	52	0.62	154	P 2	TWD	23	VS3	-1.15	TEH	TEC			8	COLD	600UL
46	72	0.40	122	P 2	TWD	16	DCB	+0.00	TEH	TEC	LAR		38	COLD	600UL
46	74	0.67	103	P 2	TWD	23	DHB	+0.00	TEH	TEC			38	COLD	600UL
46	76	1.05	108	P 2	TWD	30	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.99	28	P 2	TWD	27	DHT	+0.00	TEH	TEC			36	COLD	600UL
		0.52	144	P 2	TWD	20	DCT	+0.00	TEH	TEC			36	COLD	600UL
46	90	0.92	127	P 2	TWD	27	DCT	+0.00	TEH	TEC			46	COLD	600UL
		0.33	31	P 2	TWD	15	DHT	+0.00	TEH	TEC			46	COLD	600UL
		0.93	129	P 2	TWD	27	DCB	+0.00	TEH	TEC			46	COLD	600UL
46	100	0.28	131	P 2	TWD	18	VS3	-0.85	TEH	TEC			28	COLD	600UL
		0.64	53	P 2	TWD	28	VS3	+0.75	TEH	TEC			28	COLD	600UL
46	112	0.53	84	P 2	TWD	25	VS3	+0.64	TEH	TEC			27	COLD	600UL
46	138	0.14	15	P 2	TWD	11	VS3	-0.73	TEC	TEH			8	HOT	600UL
47	65	0.38	119	P 2	TWD	23	VS3	-0.96	TEH	TEC			9	COLD	600UL
47	77	0.71	84	P 2	TWD	26	DHB	+0.00	TEH	TEC			34	COLD	600UL
		1.23	80	P 2	TWD	33	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.61	106	P 2	TWD	24	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
47	91	0.62	100	P 2	TWD	22	DHB	+0.00	TEH	TEC			38	COLD	600UL
47	97	0.77	134	P 2	TWD	23	VS3	+0.76	TEH	TEC			42	COLD	600UL
		0.81	95	P 2	TWD	24	DCB	+0.00	TEH	TEC			42	COLD	600UL
47	105	0.27	102	P 2	TWD	17	VS3	-0.79	TEH	TEC			28	COLD	600UL
		0.13	151	P 2	TWD	10	VS3	+0.77	TEH	TEC			28	COLD	600UL
47	115	0.40	165	P 2	TWD	16	VS3	-1.07	TEH	TEC			27	COLD	600UL
		0.38	93	P 2	TWD	16	VS3	+0.79	TEH	TEC			27	COLD	600UL
47	155	0.41	112	P 2	TWD	23	VS3	-0.66	TEC	TEH			14	HOT	600UL
48	50	0.55	103	P 2	TWD	23	VS3	-0.61	TEH	TEC			5	COLD	600UL
48	72	0.43	136	P 2	TWD	23	VS3	+0.53	TEH	TEC			37	COLD	600UL
		0.27	38	P 2	TWD	17	DCT	+0.00	TEH	TEC			37	COLD	600UL
48	74	0.49	120	P 2	TWD	25	DCT	+0.00	TEH	TEC			37	COLD	600UL
48	76	0.40	81	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.46	91	P 2	TWD	20	DCB	+0.00	TEH	TEC			34	COLD	600UL
48	78	0.75	28	P 2	TWD	27	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.26	117	P 2	TWD	13	DHT	+0.00	TEH	TEC			34	COLD	600UL
48	90	0.42	43	P 2	TWD	19	DCT	+0.00	TEH	TEC			34	COLD	600UL
48	94	0.44	120	P 2	TWD	16	VS3	-0.97	TEH	TEC			42	COLD	600UL
48	96	0.56	111	P 2	TWD	19	VS3	+1.03	TEH	TEC			42	COLD	600UL
		0.62	124	P 2	TWD	21	VS3	-1.09	TEH	TEC			42	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
48	100	0.79	64	P 2	TWD	18	DCB	+0.00	TEH	TEC			29	COLD	600UL
48	102	0.33	49	P 2	TWD	20	DCB	+0.00	TEH	TEC			28	COLD	600UL
48	108	0.29	142	P 2	TWD	15	VS3	-0.68	TEH	TEC			26	COLD	600UL
48	140	0.43	94	P 2	TWD	19	VS3	+0.76	TEC	TEH			7	HOT	600UL
49	47	0.26	86	P 2	TWD	16	VS3	-0.82	TEH	TEC			5	COLD	600UL
49	55	0.41	118	P 2	TWD	18	VS3	-0.96	TEH	TEC			7	COLD	600UL
49	73	0.90	122	P 2	TWD	27	DCB	+0.00	TEH	TEC			38	COLD	600UL
		0.38	151	P 2	TWD	16	DCT	+0.00	TEH	TEC	HR		38	COLD	600UL
49	75	0.17	16	P 2	TWD	9	DHB	+0.00	TEH	TEC			36	COLD	600UL
49	79	1.46	50	P 2	TWD	34	DHT	+0.00	TEH	TEC			36	COLD	600UL
		1.08	123	P 2	TWD	31	DCT	+0.00	TEH	TEC			36	COLD	600UL
		1.66	98	P 2	TWD	36	VS3	+0.79	TEH	TEC			36	COLD	600UL
		1.25	43	P 2	TWD	30	VS3	-0.10	TEH	TEC			36	COLD	600UL
49	87	1.66	114	P 2	TWD	36	DCT	+0.00	TEH	TEC			36	COLD	600UL
49	93	0.41	116	P 2	TWD	15	VS3	-0.85	TEH	TEC			42	COLD	600UL
49	95	0.81	128	P 2	TWD	24	VS3	-0.91	TEH	TEC			42	COLD	600UL
		0.52	145	P 2	TWD	18	VS3	+1.10	TEH	TEC			42	COLD	600UL
		1.05	137	P 2	TWD	27	DCT	+0.00	TEH	TEC			42	COLD	600UL
49	161	0.55	139	P 2	TWD	25	VS3	-0.90	TEC	TEH	HR		17	HOT	600UL
50	70	0.50	115	P 2	TWD	25	DCB	+0.00	TEH	TEC			37	COLD	600UL
		0.39	114	P 2	TWD	22	VS3	-0.76	TEH	TEC	LAR		37	COLD	600UL
50	72	0.77	101	P 2	TWD	25	DCB	+0.00	TEH	TEC			38	COLD	600UL
50	82	0.36	100	P 2	TWD	17	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.85	77	P 2	TWD	29	DCB	+0.02	TEH	TEC			34	COLD	600UL
		0.21	81	P 2	TWD	11	DCT	+0.00	TEH	TEC	HR		34	COLD	600UL
		0.26	23	P 2	TWD	13	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
50	88	1.37	73	P 2	TWD	31	DHT	+0.00	TEH	TEC			36	COLD	600UL
		1.37	84	P 2	TWD	31	DCB	+0.00	TEH	TEC			36	COLD	600UL
		0.17	162	P 2	TWD	14	DCT	+0.00	TEH	TEC			36	COLD	600UL
50	90	0.70	122	P 2	TWD	24	DCB	+0.00	TEH	TEC			46	COLD	600UL
		0.28	131	P 2	TWD	12	05H	+0.87	TEH	TEC			46	COLD	600UL
50	98	0.54	97	P 2	TWD	19	VS3	-0.95	TEH	TEC			42	COLD	600UL
50	100	0.31	149	P 2	TWD	19	VS3	-0.75	TEH	TEC			28	COLD	600UL
50	134	0.27	62	P 2	TWD	18	DCT	+0.00	TEC	TEH			4	HOT	600UL
51	35	0.78	107	P 2	TWD	27	VS3	-0.72	TEC	TEH			5	HOT	600UL
51	55	0.18	142	P 2	TWD	9	07C	-0.03	TEH	TEC			8	COLD	600UL
51	71	0.44	102	P 2	TWD	18	DCT	+0.00	TEH	TEC	LAR		38	COLD	600UL
51	73	0.43	78	P 2	TWD	23	DCB	+0.00	TEH	TEC			37	COLD	600UL
51	77	1.66	122	P 2	TWD	35	DCT	+0.00	TEH	TEC			36	COLD	600UL
51	79	0.81	29	P 2	TWD	28	DHT	-0.08	TEH	TEC			34	COLD	600UL
		0.81	105	P 2	TWD	28	DCT	+0.00	TEH	TEC			34	COLD	600UL
51	83	0.42	122	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.43	88	P 2	TWD	19	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.57	117	P 2	TWD	23	DCB	+0.00	TEH	TEC			34	COLD	600UL
51	87	1.21	57	P 2	TWD	33	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.68	142	P 2	TWD	26	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.18	152	P 2	TWD	9	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
51	89	0.20	30	P 2	TWD	10	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
51	91	0.49	74	P 2	TWD	25	DHB	+0.00	TEC	TEH	HR		41	HOT	600UL
51	95	0.35	58	P 2	TWD	14	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
51	101	0.57	114	P 2	TWD	15	VS3	+0.95	TEH	TEC			29	COLD	600UL
51	113	0.46	100	P 2	TWD	20	VS3	+0.91	TEH	TEC			26	COLD	600UL
51	119	0.46	32	P 2	TWD	19	VS3	+0.83	TEH	TEC			25	COLD	600UL
51	157	0.85	94	P 2	TWD	32	VS3	-0.52	TEC	TEH			14	HOT	600UL
		0.48	98	P 2	TWD	25	VS3	+0.78	TEC	TEH			14	HOT	600UL
52	66	0.24	151	P 2	TWD	16	VS3	-0.95	TEH	TEC			9	COLD	600UL
52	72	0.19	167	P 2	TWD	13	DCT	+0.00	TEH	TEC			37	COLD	600UL
52	74	0.28	98	P 2	TWD	17	DCT	+0.00	TEH	TEC			37	COLD	600UL
52	78	0.38	86	P 2	TWD	18	DHB	+0.00	TEH	TEC			34	COLD	600UL
52	84	0.64	124	P 2	TWD	25	DCT	+0.00	TEH	TEC			34	COLD	600UL
52	88	0.55	157	P 2	TWD	23	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.71	95	P 2	TWD	26	DCB	+0.00	TEH	TEC			34	COLD	600UL
52	92	1.14	148	P 2	TWD	29	VS3	+0.86	TEH	TEC			42	COLD	600UL
		0.71	45	P 2	TWD	22	DCT	+0.00	TEH	TEC			42	COLD	600UL
52	94	0.36	126	P 2	TWD	14	VS3	-0.90	TEH	TEC			42	COLD	600UL
53	73	0.60	59	P 2	TWD	22	DCB	+0.00	TEH	TEC			38	COLD	600UL
53	77	1.31	93	P 2	TWD	34	DHB	+0.00	TEH	TEC			34	COLD	600UL
		1.73	19	P 2	TWD	37	DHT	+0.00	TEH	TEC			34	COLD	600UL
		0.51	124	P 2	TWD	22	DCT	+0.00	TEH	TEC			34	COLD	600UL
53	79	0.52	159	P 2	TWD	21	DCT	+0.00	TEH	TEC			36	COLD	600UL
53	81	0.75	82	P 2	TWD	27	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.99	77	P 2	TWD	31	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.24	160	P 2	TWD	12	DHT	+0.00	TEH	TEC			34	COLD	600UL
53	89	1.13	124	P 2	TWD	30	DHB	+0.00	TEH	TEC			46	COLD	600UL
		0.54	29	P 2	TWD	20	DCT	+0.00	TEH	TEC			46	COLD	600UL
53	95	0.26	77	P 2	TWD	11	DCB	+0.00	TEH	TEC	HR		42	COLD	600UL
53	107	0.57	116	P 2	TWD	14	VS3	+0.77	TEH	TEC			29	COLD	600UL
53	113	0.30	103	P 2	TWD	15	VS3	+0.97	TEH	TEC			26	COLD	600UL
53	117	0.15	45	P 2	TWD	10	VS3	+0.82	TEH	TEC	HR		24	COLD	600UL
53	119	0.16	156	P 2	TWD	10	VS3	+0.84	TEH	TEC	HR		24	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
53	121	0.18	18	P 2	TWD	11	VS3	-0.89	TEH	TEC	HR		24	COLD	600UL
53	123	0.34	55	P 2	TWD	18	VS3	+0.82	TEH	TEC			24	COLD	600UL
53	127	0.81	53	P 2	TWD	31	VS3	-0.72	TEH	TEC			22	COLD	600UL
53	129	0.34	154	P 2	TWD	21	VS3	-0.70	TEH	TEC			22	COLD	600UL
53	139	0.38	115	P 2	TWD	18	VS3	-0.76	TEC	TEH			7	HOT	600UL
53	151	0.20	131	P 2	TWD	11	VS3	-0.84	TEC	TEH	HR		13	HOT	600UL
54	72	0.36	94	P 2	TWD	15	VS3	+0.82	TEH	TEC			38	COLD	600UL
54	74	0.52	160	P 2	TWD	20	DCT	+0.00	TEH	TEC			38	COLD	600UL
54	80	0.43	116	P 2	TWD	19	DHB	+0.00	TEH	TEC			34	COLD	600UL
		0.78	134	P 2	TWD	28	DCT	+0.00	TEH	TEC			34	COLD	600UL
		0.42	122	P 2	TWD	19	DCB	+0.00	TEH	TEC			34	COLD	600UL
		0.47	139	P 2	TWD	20	DHT	+0.00	TEH	TEC	HR		34	COLD	600UL
54	86	0.38	70	P 2	TWD	17	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.65	130	P 2	TWD	24	VS3	-0.92	TEH	TEC			36	COLD	600UL
		0.43	87	P 2	TWD	19	VS3	+0.87	TEH	TEC			36	COLD	600UL
		0.41	155	P 2	TWD	18	DCT	+0.00	TEH	TEC			36	COLD	600UL
54	88	0.42	143	P 2	TWD	19	DCB	+0.00	TEH	TEC			36	COLD	600UL
54	90	0.30	72	P 2	TWD	19	VS3	-0.78	TEC	TEH			41	HOT	600UL
		0.30	119	P 2	TWD	19	DCB	+0.00	TEC	TEH			41	HOT	600UL
54	96	0.66	99	P 2	TWD	21	VS3	-0.88	TEH	TEC			42	COLD	600UL
54	100	0.44	55	P 2	TWD	23	VS3	+0.79	TEH	TEC			28	COLD	600UL
54	116	0.24	147	P 2	TWD	14	VS3	-0.95	TEH	TEC	HR		24	COLD	600UL
54	126	0.22	163	P 2	TWD	11	VS3	-0.59	TEH	TEC			25	COLD	600UL
54	128	0.65	139	P 2	TWD	21	VS3	-0.97	TEH	TEC			23	COLD	600UL
55	9	0.14	32	P 2	TWD	10	01H	-0.99	TEC	TEH			20	HOT	600UL
55	73	0.37	38	P 2	TWD	21	VS3	+0.00	TEH	TEC			37	COLD	600UL
		0.23	152	P 2	TWD	15	DCB	+0.00	TEH	TEC			37	COLD	600UL
55	87	0.78	68	P 2	TWD	26	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.46	141	P 2	TWD	19	VS3	-0.75	TEH	TEC			36	COLD	600UL
		0.85	122	P 2	TWD	28	DCT	+0.00	TEH	TEC			36	COLD	600UL
		0.24	30	P 2	TWD	15	DCB	+0.00	TEH	TEC			36	COLD	600UL
55	93	0.38	126	P 2	TWD	14	DCB	+0.00	TEH	TEC			42	COLD	600UL
56	74	0.29	145	P 2	TWD	18	VS3	+0.76	TEH	TEC			37	COLD	600UL
56	78	1.35	96	P 2	TWD	35	DCB	+0.00	TEH	TEC			34	COLD	600UL
		0.16	152	P 2	TWD	8	VS3	+0.68	TEH	TEC	HR		34	COLD	600UL
56	82	0.51	79	P 2	TWD	21	DCT	+0.00	TEH	TEC			36	COLD	600UL
56	84	0.81	76	P 2	TWD	27	DCB	+0.00	TEH	TEC			36	COLD	600UL
56	86	1.54	104	P 2	TWD	36	DCB	+0.00	TEH	TEC			34	COLD	600UL
56	88	0.55	148	P 2	TWD	23	DCT	+0.00	TEH	TEC			34	COLD	600UL
56	92	0.77	173	P 2	TWD	23	DHT	+0.00	TEH	TEC			42	COLD	600UL
56	152	0.99	109	P 2	TWD	33	VS3	-0.57	TEC	TEH			14	HOT	600UL
57	67	0.26	92	P 2	TWD	17	VS3	+0.80	TEH	TEC	HR		9	COLD	600UL
57	75	0.51	144	P 2	TWD	21	VS3	-0.77	TEH	TEC			36	COLD	600UL
57	77	0.62	122	P 2	TWD	24	DCT	+0.00	TEH	TEC			34	COLD	600UL
57	87	0.68	113	P 2	TWD	26	DCB	+0.00	TEH	TEC			34	COLD	600UL
57	89	0.29	145	P 2	TWD	13	04H	+0.95	TEH	TEC			46	COLD	600UL
57	91	0.34	114	P 2	TWD	19	DHB	+0.00	TEC	TEH			40	HOT	600UL
57	97	0.46	110	P 2	TWD	17	VS3	+0.64	TEH	TEC			42	COLD	600UL
57	99	0.44	144	P 2	TWD	16	VS3	-0.71	TEH	TEC			42	COLD	600UL
		0.34	96	P 2	TWD	13	VS3	+0.55	TEH	TEC			42	COLD	600UL
57	127	0.44	80	P 2	TWD	24	VS3	-0.82	TEH	TEC			22	COLD	600UL
57	133	0.82	115	P 2	TWD	31	VS3	+0.75	TEC	TEH			4	HOT	600UL
57	155	0.38	122	P 2	TWD	19	VS3	+0.83	TEC	TEH	HR		13	HOT	600UL
58	76	0.65	125	P 2	TWD	24	DCB	+0.00	TEH	TEC			36	COLD	600UL
58	86	1.30	118	P 2	TWD	31	DCB	+0.00	TEH	TEC			36	COLD	600UL
58	92	0.40	151	P 2	TWD	23	DCB	+0.00	TEC	TEH			41	HOT	600UL
59	81	0.52	105	P 2	TWD	21	DCB	+0.00	TEH	TEC			36	COLD	600UL
59	87	0.57	107	P 2	TWD	22	DHB	+0.00	TEH	TEC			36	COLD	600UL
60	78	0.34	99	P 2	TWD	16	VS3	+0.89	TEH	TEC			34	COLD	600UL
		0.16	135	P 2	TWD	8	VS4	-0.81	TEH	TEC	HR		34	COLD	600UL
60	82	0.81	114	P 2	TWD	27	DHB	+0.00	TEH	TEC			36	COLD	600UL
		0.27	48	P 2	TWD	13	DCB	+0.00	TEH	TEC			36	COLD	600UL
60	86	0.47	101	P 2	TWD	20	DHB	+0.00	TEH	TEC			34	COLD	600UL
61	25	0.45	152	P 2	TWD	22	VS4	+0.95	TEC	TEH			16	HOT	600UL
61	51	0.23	109	P 2	TWD	12	VS2	-0.09	TEH	TEC			6	COLD	600UL
61	79	1.41	143	P 2	TWD	34	DCB	+0.00	TEH	TEC			36	COLD	600UL
61	81	0.24	131	P 2	TWD	12	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
61	83	0.13	154	P 2	TWD	7	DCB	+0.00	TEH	TEC	HR		34	COLD	600UL
61	85	0.60	81	P 2	TWD	23	DCB	+0.00	TEH	TEC			36	COLD	600UL
62	80	1.47	75	P 2	TWD	34	DCB	+0.00	TEH	TEC			36	COLD	600UL
62	86	0.38	158	P 2	TWD	17	VS3	-0.84	TEH	TEC			36	COLD	600UL
		0.57	157	P 2	TWD	22	DCB	+0.00	TEH	TEC			36	COLD	600UL
63	41	0.42	46	P 2	TWD	19	VS2	+0.69	TEH	TEC	HR		4	COLD	600UL
63	79	0.27	80	P 2	TWD	13	DCB	+0.00	TEH	TEC			34	COLD	600UL
64	44	0.18	0	P 2	TWD	13	VS3	+0.88	TEH	TEC			3	COLD	600UL
64	68	0.26	75	P 2	TWD	18	VS3	+0.80	TEH	TEC			9	COLD	600UL
64	72	0.23	149	P 2	TWD	15	VS4	-0.86	TEH	TEC	LAR		37	COLD	600UL
64	98	0.28	96	P 2	TWD	11	VS4	-1.03	TEH	TEC			42	COLD	600UL
66	46	0.58	57	P 2	TWD	22	03H	+0.97	TEH	TEC			6	COLD	600UL
66	142	0.16	160	P 2	TWD	11	VS2	+1.12	TEC	TEH	HR		8	HOT	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
72	20	0.36	143	P 2	TWD	18	VS2	-0.59	TEC	TEH	HR		20	HOT	600UL
72	32	0.24	138	P 2	TWD	12	VS2	+0.82	TEC	TEH			5	HOT	600UL
72	42	0.41	71	P 2	TWD	22	VS3	+0.80	TEH	TEC			3	COLD	600UL
72	78	0.88	102	P 2	TWD	27	VS4	+0.43	TEH	TEC			46	COLD	600UL
73	77	0.33	146	P 2	TWD	16	VS2	-0.85	TEH	TEC			36	COLD	600UL
		0.30	163	P 2	TWD	14	VS2	+0.70	TEH	TEC			36	COLD	600UL
73	89	0.25	109	P 2	TWD	13	VS3	+0.86	TEH	TEC			34	COLD	600UL
74	16	0.16	167	P 2	TWD	11	VS2	+0.27	TEC	TEH			19	HOT	600UL
75	43	0.32	100	P 2	TWD	18	VS2	+0.80	TEH	TEC			20	COLD	600UL
		0.29	97	P 2	TWD	17	VS4	-1.02	TEH	TEC			20	COLD	600UL
75	49	0.47	119	P 2	TWD	20	VS3	-0.16	TEH	TEC			6	COLD	600UL
		0.26	28	P 2	TWD	13	VS2	-0.62	TEH	TEC			6	COLD	600UL
75	73	0.25	131	P 2	TWD	16	VS3	+0.80	TEH	TEC	HR		37	COLD	600UL
75	85	0.25	81	P 2	TWD	13	VS3	+0.73	TEH	TEC			34	COLD	600UL
76	84	0.28	118	P 2	TWD	14	VS3	+0.66	TEH	TEC			34	COLD	600UL
76	116	0.22	77	P 2	TWD	13	VS3	+0.99	TEH	TEC			24	COLD	600UL
		0.22	67	P 2	TWD	13	08C	+0.95	TEH	TEC	HR		24	COLD	600UL
77	51	0.37	128	P 2	TWD	20	VS4	+0.75	TEH	TEC	HR		20	COLD	600UL
77	85	0.35	157	P 2	TWD	16	VS4	+0.84	TEH	TEC			36	COLD	600UL
77	117	0.34	113	P 2	TWD	18	VS3	+1.01	TEH	TEC			24	COLD	600UL
78	52	1.31	130	P 2	TWD	31	VS4	+0.84	TEH	TEC			8	COLD	600UL
		0.40	159	P 2	TWD	17	VS4	-0.57	TEH	TEC			8	COLD	600UL
78	56	0.37	150	P 2	TWD	16	VS3	+0.38	TEH	TEC			8	COLD	600UL
		0.32	137	P 2	TWD	15	VS4	+0.46	TEH	TEC			8	COLD	600UL
78	62	1.02	127	P 2	TWD	29	VS2	+0.86	TEH	TEC	HR		10	COLD	600UL
		0.62	150	P 2	TWD	23	VS3	-0.89	TEH	TEC	HR		10	COLD	600UL
		0.98	128	P 2	TWD	29	VS4	+0.58	TEH	TEC	HR		10	COLD	600UL
79	63	0.32	130	P 2	TWD	20	VS2	+0.60	TEH	TEC			9	COLD	600UL
		0.38	89	P 2	TWD	23	VS3	-0.86	TEH	TEC			9	COLD	600UL
		0.21	36	P 2	TWD	15	VS4	+0.81	TEH	TEC			9	COLD	600UL
79	67	0.58	99	P 2	TWD	28	VS2	-0.71	TEH	TEC			9	COLD	600UL
		0.56	104	P 2	TWD	27	VS4	+0.68	TEH	TEC			9	COLD	600UL
79	77	0.09	60	P 2	TWD	4	VS2	-0.71	TEH	TEC			34	COLD	600UL
79	83	0.13	161	P 2	TWD	7	VS2	-0.73	TEH	TEC	HR		34	COLD	600UL
80	68	0.29	135	P 2	TWD	19	VS4	+0.84	TEH	TEC			9	COLD	600UL
80	128	0.30	138	P 2	TWD	19	VS4	-0.94	TEH	TEC			22	COLD	600UL
81	29	1.03	114	P 2	TWD	31	VS3	+0.73	TEC	TEH			31	HOT	600UL
		0.78	107	P 2	TWD	28	VS4	-0.80	TEC	TEH			31	HOT	600UL
		0.80	47	P 2	TWD	29	VS3	-1.03	TEC	TEH			31	HOT	600UL
		0.89	108	P 2	TWD	30	VS3	-0.04	TEC	TEH			31	HOT	600UL
		0.14	99	P 2	TWD	8	VS4	+0.71	TEC	TEH			31	HOT	600UL
82	40	0.38	109	P 2	TWD	18	VS3	-0.66	TEC	TEH			34	HOT	600UL
		0.27	142	P 2	TWD	14	VS4	-0.70	TEC	TEH			34	HOT	600UL
		0.47	106	P 2	TWD	21	VS4	+0.66	TEC	TEH			34	HOT	600UL
82	44	0.37	115	P 2	TWD	20	VS3	-0.62	TEC	TEH			38	HOT	600UL
		1.14	107	P 2	TWD	33	VS2	+0.84	TEC	TEH			38	HOT	600UL
82	60	0.32	93	P 2	TWD	19	VS3	-0.59	TEC	TEH			42	HOT	600UL
82	72	0.19	146	P 2	TWD	11	VS3	-0.88	TEH	TEC	HR		13	COLD	600UL
82	74	0.66	115	P 2	TWD	25	VS2	-0.70	TEH	TEC			13	COLD	600UL
82	84	0.27	88	P 2	TWD	15	VS4	-0.69	TEH	TEC	HR		16	COLD	600UL
82	90	0.62	143	P 2	TWD	23	VS3	-0.53	TEH	TEC	HR		19	COLD	600UL
82	94	0.23	146	P 2	TWD	11	VS2	+0.94	TEH	TEC	HR		18	COLD	600UL
		0.22	115	P 2	TWD	11	VS4	+0.94	TEH	TEC	HR		18	COLD	600UL
82	106	0.25	167	P 2	TWD	13	VS3	+0.00	TEC	TEH	HR		28	HOT	600UL
82	112	0.15	158	P 2	TWD	9	VS2	+0.81	TEC	TEH			32	HOT	600UL
		0.27	160	P 2	TWD	14	VS4	+0.88	TEC	TEH			32	HOT	600UL
		0.33	69	P 2	TWD	17	VS2	+0.37	TEC	TEH			32	HOT	600UL
83	89	0.22	103	P 2	TWD	13	VS2	+0.96	TEH	TEC	HR		18	COLD	600UL
		0.20	126	P 2	TWD	12	VS3	-0.83	TEH	TEC	HR		18	COLD	600UL
		0.32	153	P 2	TWD	17	VS4	-0.60	TEH	TEC	HR		18	COLD	600UL
84	52	0.72	127	P 2	TWD	28	VS4	+0.68	TEC	TEH			38	HOT	600UL
		1.15	103	P 2	TWD	34	VS3	+0.16	TEC	TEH			38	HOT	600UL
		0.27	163	P 2	TWD	16	VS2	-0.87	TEC	TEH	LAR		38	HOT	600UL
84	114	0.22	66	P 2	TWD	15	VS4	-0.53	TEC	TEH	HR		33	HOT	600UL
84	120	0.32	137	P 2	TWD	19	VS4	-0.70	TEC	TEH			36	HOT	600UL
		0.21	139	P 2	TWD	14	VS2	-0.91	TEC	TEH			36	HOT	600UL
85	39	0.20	0	P 2	TWD	11	VS2	-0.87	TEC	TEH			35	HOT	600UL
85	53	0.34	50	P 2	TWD	19	08H	+1.01	TEC	TEH			39	HOT	600UL
85	83	0.50	106	P 2	TWD	23	VS2	-1.00	TEH	TEC			15	COLD	600UL
85	141	0.72	95	P 2	TWD	27	VS3	+0.93	TEC	TEH			27	HOT	600UL
85	147	0.32	140	P 2	TWD	17	VS2	+0.88	TEC	TEH			27	HOT	600UL
86	20	0.35	33	P 2	TWD	18	VS2	-0.84	TEC	TEH			31	HOT	600UL
86	22	1.53	120	P 2	TWD	35	VS3	-0.70	TEC	TEH			31	HOT	600UL
		0.66	91	P 2	TWD	26	VS3	+0.89	TEC	TEH			31	HOT	600UL
		0.36	116	P 2	TWD	19	VS4	+0.87	TEC	TEH			31	HOT	600UL
		0.97	109	P 2	TWD	31	VS2	+0.91	TEC	TEH			31	HOT	600UL
86	94	0.19	166	P 2	TWD	12	VS4	+0.98	TEH	TEC	HR		18	COLD	600UL
86	118	0.23	46	P 2	TWD	15	VS3	-0.65	TEC	TEH			36	HOT	600UL
86	142	0.28	168	P 2	TWD	11	VS4	-0.89	TEC	TEH			21	HOT	600UL
87	21	0.34	163	P 2	TWD	17	VS2	-0.85	TEC	TEH			30	HOT	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.47	119	P 2	TWD	16	VS2	+0.85	TEC	TEH	HR		30	HOT	600UL
87	57	0.25	26	P 2	TWD	16	VS2	+0.99	TEC	TEH			43	HOT	600UL
87	97	0.26	159	P 2	TWD	12	VS4	-0.45	TEH	TEC	HR		18	COLD	600UL
87	101	0.35	43	P 2	TWD	18	VS4	-0.45	TEC	TEH			29	HOT	600UL
87	111	0.14	10	P 2	TWD	10	VS3	-0.88	TEC	TEH			33	HOT	600UL
87	127	0.20	102	P 2	TWD	14	VS2	+0.63	TEC	TEH			41	HOT	600UL
87	143	0.43	46	P 2	TWD	20	VS2	-0.93	TEC	TEH			21	HOT	600UL
		0.54	72	P 2	TWD	23	VS3	+0.80	TEC	TEH			21	HOT	600UL
		0.23	145	P 2	TWD	13	VS4	+0.84	TEC	TEH			21	HOT	600UL
88	20	0.70	93	P 2	TWD	26	VS2	-0.81	TEC	TEH			30	HOT	600UL
88	28	0.49	78	P 2	TWD	23	VS4	-0.16	TEC	TEH			31	HOT	600UL
		0.53	80	P 2	TWD	23	VS4	-0.68	TEC	TEH			31	HOT	600UL
		0.53	85	P 2	TWD	23	VS3	-0.92	TEC	TEH			31	HOT	600UL
88	36	0.37	108	P 2	TWD	18	VS4	+0.86	TEC	TEH	LAR		34	HOT	600UL
88	68	0.29	30	P 2	TWD	17	VS2	-0.88	TEC	TEH			47	HOT	600UL
88	112	0.36	35	P 2	TWD	20	VS4	-0.93	TEC	TEH			33	HOT	600UL
88	118	0.43	147	P 2	TWD	15	08H	+0.97	TEC	TEH			37	HOT	600UL
89	21	0.72	83	P 2	TWD	27	VS2	+0.65	TEC	TEH			30	HOT	600UL
89	57	0.33	66	P 2	TWD	19	VS2	+1.04	TEC	TEH			42	HOT	600UL
89	67	0.31	40	P 2	TWD	18	VS4	+0.97	TEC	TEH			47	HOT	600UL
89	71	0.35	151	P 2	TWD	20	VS2	+0.95	TEH	TEC			14	COLD	600UL
90	24	0.80	128	P 2	TWD	29	VS3	-0.68	TEC	TEH			31	HOT	600UL
		0.24	32	P 2	TWD	14	VS2	-0.93	TEC	TEH			31	HOT	600UL
90	58	0.58	39	P 2	TWD	26	DHT	+0.00	TEC	TEH			43	HOT	600UL
		0.39	55	P 2	TWD	21	VS3	-0.64	TEC	TEH			43	HOT	600UL
91	27	0.28	51	P 2	TWD	15	VS4	-0.79	TEC	TEH			30	HOT	600UL
		0.30	153	P 2	TWD	15	VS2	-0.81	TEC	TEH			30	HOT	600UL
91	33	0.20	142	P 2	TWD	11	VS4	+0.95	TEC	TEH			34	HOT	600UL
91	67	0.34	152	P 2	TWD	19	VS2	+0.76	TEC	TEH			46	HOT	600UL
91	103	0.64	81	P 2	TWD	25	VS4	-0.81	TEC	TEH			29	HOT	600UL
		0.19	147	P 2	TWD	11	VS2	-0.91	TEC	TEH			29	HOT	600UL
91	127	0.18	161	P 2	TWD	14	VS2	-0.67	TEC	TEH			41	HOT	600UL
91	129	0.22	141	P 2	TWD	15	VS2	-0.67	TEC	TEH			41	HOT	600UL
91	131	0.39	150	P 2	TWD	19	VS3	+0.95	TEC	TEH			27	HOT	600UL
91	133	0.49	146	P 2	TWD	23	08C	+0.95	TEC	TEH			21	HOT	600UL
92	26	0.78	132	P 2	TWD	28	VS4	+0.53	TEC	TEH			31	HOT	600UL
		0.75	42	P 2	TWD	28	VS4	-0.94	TEC	TEH			31	HOT	600UL
		0.46	106	P 2	TWD	22	VS3	-0.91	TEC	TEH			31	HOT	600UL
		0.30	110	P 2	TWD	16	VS2	+0.69	TEC	TEH			31	HOT	600UL
92	32	0.59	127	P 2	TWD	20	VS2	-0.95	TEC	TEH			34	HOT	600UL
92	86	0.74	141	P 2	TWD	26	VS2	+0.89	TEH	TEC			16	COLD	600UL
		1.49	126	P 2	TWD	34	VS3	-0.81	TEH	TEC			16	COLD	600UL
		0.32	169	P 2	TWD	17	VS4	-0.84	TEH	TEC			16	COLD	600UL
		0.27	166	P 2	TWD	15	VS4	+0.87	TEH	TEC			16	COLD	600UL
92	90	0.19	123	P 2	TWD	10	VS2	+0.57	TEH	TEC			17	COLD	600UL
92	92	0.32	118	P 2	TWD	15	VS3	+0.91	TEH	TEC	HR		18	COLD	600UL
92	112	0.15	62	P 2	TWD	11	VS3	-1.05	TEC	TEH			33	HOT	600UL
92	116	0.21	121	P 2	TWD	14	VS2	-0.52	TEC	TEH			33	HOT	600UL
		0.32	18	P 2	TWD	19	08C	+1.09	TEC	TEH	LAR		33	HOT	600UL
		0.09	15	P 2	TWD	7	08C	-0.50	TEC	TEH			33	HOT	600UL
92	132	0.46	66	P 2	TWD	22	VS2	+0.63	TEC	TEH			21	HOT	600UL
93	35	0.14	166	P 2	TWD	8	05H	-0.85	TEC	TEH			34	HOT	600UL
93	57	0.16	165	P 2	TWD	12	VS4	-0.93	TEC	TEH	HR		42	HOT	600UL
		0.35	9	P 2	TWD	20	DHT	+0.00	TEC	TEH			42	HOT	600UL
93	59	0.64	130	P 2	TWD	27	VS4	+0.91	TEC	TEH			42	HOT	600UL
93	67	0.32	149	P 2	TWD	18	VS3	-0.88	TEC	TEH			47	HOT	600UL
93	75	0.62	156	P 2	TWD	28	VS2	-0.26	TEH	TEC			14	COLD	600UL
93	77	0.35	27	P 2	TWD	20	DCB	-0.24	TEH	TEC			14	COLD	600UL
93	87	0.48	61	P 2	TWD	20	VS2	-0.96	TEH	TEC			17	COLD	600UL
		0.20	164	P 2	TWD	10	VS4	+0.81	TEH	TEC			17	COLD	600UL
		0.76	120	P 2	TWD	26	VS2	+0.69	TEH	TEC			17	COLD	600UL
93	117	0.22	157	P 2	TWD	12	VS3	+0.54	TEC	TEH	HR		36	HOT	600UL
93	131	1.12	40	P 2	TWD	33	VS2	+0.76	TEC	TEH			21	HOT	600UL
		0.34	20	P 2	TWD	19	VS2	-0.76	TEC	TEH			21	HOT	600UL
93	133	0.40	158	P 2	TWD	20	VS2	+0.88	TEC	TEH			27	HOT	600UL
94	34	0.23	160	P 2	TWD	12	VS2	-0.68	TEC	TEH			34	HOT	600UL
94	44	0.36	59	P 2	TWD	19	VS2	+0.73	TEC	TEH			38	HOT	600UL
		0.36	140	P 2	TWD	19	VS2	-0.71	TEC	TEH			38	HOT	600UL
		0.30	114	P 2	TWD	17	DCT	-0.05	TEC	TEH			38	HOT	600UL
94	64	0.98	117	P 2	TWD	32	VS2	+1.12	TEC	TEH			42	HOT	600UL
		0.29	131	P 2	TWD	18	VS2	-0.69	TEC	TEH			42	HOT	600UL
		0.43	100	P 2	TWD	22	VS3	+0.91	TEC	TEH			42	HOT	600UL
		0.50	48	P 2	TWD	24	VS4	-0.84	TEC	TEH			42	HOT	600UL
94	72	0.25	133	P 2	TWD	14	VS2	+0.87	TEH	TEC			13	COLD	600UL
		0.19	130	P 2	TWD	11	VS4	+0.73	TEH	TEC			13	COLD	600UL
94	76	0.31	22	P 2	TWD	19	VS3	+0.00	TEH	TEC			14	COLD	600UL
94	88	0.45	145	P 2	TWD	20	VS2	-0.79	TEH	TEC			17	COLD	600UL
		0.22	146	P 2	TWD	11	VS3	-0.96	TEH	TEC			17	COLD	600UL
		0.59	111	P 2	TWD	23	VS4	+0.82	TEH	TEC			17	COLD	600UL
94	96	1.00	86	P 2	TWD	31	VS2	-0.87	TEH	TEC			18	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.23	81	P 2	TWD	14	VS3	-0.23	TEH	TEC			18	COLD	600UL
		0.42	146	P 2	TWD	21	VS4	+0.81	TEH	TEC			18	COLD	600UL
94	106	0.16	46	P 2	TWD	9	VS2	+0.96	TEC	TEH	HR		28	HOT	600UL
94	116	0.48	91	P 2	TWD	21	VS4	-1.09	TEC	TEH			32	HOT	600UL
94	120	0.36	50	P 2	TWD	20	VS4	-0.74	TEC	TEH			36	HOT	600UL
		0.35	147	P 2	TWD	20	VS3	-0.77	TEC	TEH			36	HOT	600UL
		0.95	101	P 2	TWD	31	VS2	+0.51	TEC	TEH			36	HOT	600UL
94	126	0.33	27	P 2	TWD	19	VS2	-0.70	TEC	TEH			40	HOT	600UL
94	144	0.20	128	P 2	TWD	13	01C	+1.04	TEC	TEH			21	HOT	600UL
95	31	0.14	150	P 2	TWD	10	VS2	+0.94	TEC	TEH			55	HOT	600UL
95	41	0.50	15	P 2	TWD	22	DHT	+0.00	TEC	TEH			34	HOT	600UL
95	57	0.50	91	P 2	TWD	24	VS2	+0.87	TEC	TEH			43	HOT	600UL
95	59	0.66	124	P 2	TWD	27	VS3	+0.64	TEC	TEH			43	HOT	600UL
		0.14	114	P 2	TWD	10	VS3	-0.80	TEC	TEH	HR		43	HOT	600UL
		0.27	51	P 2	TWD	16	VS2	+0.69	TEC	TEH			43	HOT	600UL
95	71	0.42	29	P 2	TWD	19	VS2	+0.68	TEH	TEC			13	COLD	600UL
95	81	0.29	94	P 2	TWD	16	VS2	+0.71	TEH	TEC			15	COLD	600UL
95	89	0.29	142	P 2	TWD	14	VS2	-0.98	TEH	TEC			17	COLD	600UL
		0.57	106	P 2	TWD	23	VS4	-0.36	TEH	TEC			17	COLD	600UL
		0.19	160	P 2	TWD	10	VS2	+0.60	TEH	TEC	HR		17	COLD	600UL
95	105	0.53	137	P 2	TWD	23	VS3	+0.72	TEC	TEH			29	HOT	600UL
95	127	0.27	125	P 2	TWD	18	VS2	-0.70	TEC	TEH			41	HOT	600UL
95	139	0.40	86	P 2	TWD	19	VS2	-1.00	TEC	TEH			21	HOT	600UL
95	143	0.22	154	P 2	TWD	14	VS2	-0.95	TEC	TEH			21	HOT	600UL
96	30	0.41	160	P 2	TWD	19	VS3	+0.81	TEC	TEH			30	HOT	600UL
		0.50	147	P 2	TWD	22	VS2	+0.86	TEC	TEH			30	HOT	600UL
		0.56	134	P 2	TWD	18	DCT	+0.00	TEC	TEH	HR		30	HOT	600UL
96	34	0.55	93	P 2	TWD	22	VS2	-0.67	TEC	TEH			35	HOT	600UL
96	58	0.44	94	P 2	TWD	23	VS4	+0.09	TEC	TEH			42	HOT	600UL
		0.24	130	P 2	TWD	15	VS3	+0.93	TEC	TEH			42	HOT	600UL
		0.24	26	P 2	TWD	15	VS3	-0.78	TEC	TEH			42	HOT	600UL
96	62	0.26	145	P 2	TWD	17	VS3	-0.66	TEC	TEH			42	HOT	600UL
96	78	1.01	104	P 2	TWD	33	VS3	-0.81	TEH	TEC			14	COLD	600UL
96	108	0.57	117	P 2	TWD	24	VS2	-0.55	TEC	TEH			29	HOT	600UL
		0.22	164	P 2	TWD	12	VS2	+1.04	TEC	TEH			29	HOT	600UL
		0.60	89	P 2	TWD	24	VS4	+0.50	TEC	TEH			29	HOT	600UL
		1.18	106	P 2	TWD	32	VS3	-0.79	TEC	TEH			29	HOT	600UL
96	128	0.13	169	P 2	TWD	9	VS4	-0.81	TEC	TEH			40	HOT	600UL
		0.13	56	P 2	TWD	9	VS2	-0.90	TEC	TEH			40	HOT	600UL
96	134	0.49	70	P 2	TWD	22	VS3	-0.73	TEC	TEH			27	HOT	600UL
		0.31	130	P 2	TWD	17	VS2	+0.80	TEC	TEH			27	HOT	600UL
96	138	0.75	124	P 2	TWD	27	VS3	-0.65	TEC	TEH			21	HOT	600UL
		0.27	135	P 2	TWD	14	VS2	+0.74	TEC	TEH			21	HOT	600UL
96	142	0.20	68	P 2	TWD	12	VS4	-0.80	TEC	TEH	HR		27	HOT	600UL
97	31	0.47	42	P 2	TWD	22	VS2	+0.53	TEC	TEH	LAR		31	HOT	600UL
97	87	0.60	130	P 2	TWD	23	VS2	-0.74	TEH	TEC			17	COLD	600UL
		0.29	149	P 2	TWD	14	VS3	+0.79	TEH	TEC			17	COLD	600UL
97	93	0.96	128	P 2	TWD	29	VS3	+0.65	TEH	TEC	HR		19	COLD	600UL
		0.52	130	P 2	TWD	21	VS2	-0.80	TEH	TEC	HR		19	COLD	600UL
		0.44	108	P 2	TWD	19	VS4	+0.67	TEH	TEC	HR		19	COLD	600UL
		0.26	157	P 2	TWD	12	VS2	+0.82	TEH	TEC			19	COLD	600UL
97	121	0.64	18	P 2	TWD	20	08C	+0.69	TEC	TEH			37	HOT	600UL
97	127	0.74	120	P 2	TWD	28	VS3	+0.99	TEC	TEH			40	HOT	600UL
97	133	0.60	128	P 2	TWD	25	VS2	-0.24	TEC	TEH			27	HOT	600UL
		0.50	48	P 2	TWD	22	VS4	-0.26	TEC	TEH			27	HOT	600UL
97	139	0.60	94	P 2	TWD	25	VS2	-0.93	TEC	TEH			27	HOT	600UL
98	26	0.41	121	P 2	TWD	19	08H	-0.97	TEC	TEH			30	HOT	600UL
98	28	0.23	66	P 2	TWD	13	VS2	+0.90	TEC	TEH			30	HOT	600UL
		1.13	100	P 2	TWD	33	VS4	+0.68	TEC	TEH			30	HOT	600UL
98	30	0.32	85	P 2	TWD	17	VS3	+0.68	TEC	TEH			31	HOT	600UL
		0.47	54	P 2	TWD	22	VS2	+0.55	TEC	TEH			31	HOT	600UL
99	27	0.21	100	P 2	TWD	12	VS1	-0.51	TEC	TEH	HR		31	HOT	600UL
101	27	0.25	67	P 2	TWD	13	02H	-0.05	TEC	TEH			30	HOT	600UL
102	44	0.37	106	P 2	TWD	20	DCB	+0.00	TEC	TEH			38	HOT	600UL
102	120	0.40	70	P 2	TWD	16	VS3	-0.60	TEC	TEH			37	HOT	600UL
102	140	0.45	57	P 2	TWD	17	09H	-0.57	TEC	TEH			21	HOT	600UL
103	37	0.40	34	P 2	TWD	19	DCB	+0.00	TEC	TEH			34	HOT	600UL
103	39	0.27	151	P 2	TWD	14	DCB	+0.00	TEC	TEH			34	HOT	600UL
104	138	0.27	16	P 2	TWD	15	08H	+0.86	TEC	TEH			21	HOT	600UL
105	33	0.50	57	P 2	TWD	22	VS2	+0.20	TEC	TEH			34	HOT	600UL
106	98	0.30	130	P 2	TWD	14	VS4	-0.84	TEH	TEC	HR		18	COLD	600UL
108	32	0.37	73	P 2	TWD	13	VS2	+0.78	TEC	TEH	HR		55	HOT	600UL
111	35	0.39	46	P 2	TWD	18	07H	-1.03	TEC	TEH			34	HOT	600UL
111	87	0.21	137	P 2	TWD	11	VS2	-0.97	TEH	TEC			17	COLD	600UL
112	76	0.57	134	P 2	TWD	23	VS2	-0.65	TEH	TEC			13	COLD	600UL
117	55	0.20	40	P 2	TWD	13	VS1	+0.77	TEC	TEH	HR		38	HOT	600UL
119	41	0.29	53	P 2	TWD	15	VS1	-0.57	TEC	TEH			34	HOT	600UL
121	49	0.22	119	P 2	TWD	16	DCT	+0.00	TEC	TEH	HR		39	HOT	600UL
122	44	0.75	100	P 2	TWD	27	DCT	+0.00	TEC	TEH			34	HOT	600UL
		0.24	141	P 2	TWD	12	DCB	+0.33	TEC	TEH			34	HOT	600UL

Framatome ANP Inc. 7/17/2003 8:56:11 AM
Customer Name: St. Lucie Unit 2 Component: S/G A

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
122	50	0.26	114	P 2	TWD	16	DHT	-0.24	TEC	TEH	LAR		38	HOT	600UL
123	47	0.26	139	P 2	TWD	16	VS2	+0.62	TEC	TEH			38	HOT	600UL
123	49	0.17	156	P 2	TWD	12	VS1	+0.89	TEC	TEH			38	HOT	600UL
123	55	0.44	128	P 2	TWD	23	VS1	-0.87	TEC	TEH			39	HOT	600UL
123	57	0.33	159	P 2	TWD	19	VS1	+0.55	TEC	TEH			43	HOT	600UL
123	113	0.40	136	P 2	TWD	21	VS4	+1.05	TEC	TEH			33	HOT	600UL
		0.21	147	P 2	TWD	14	VS3	+0.74	TEC	TEH			33	HOT	600UL
		0.17	155	P 2	TWD	12	VS1	-0.52	TEC	TEH			33	HOT	600UL
124	46	0.28	137	P 2	TWD	16	DCT	+0.04	TEC	TEH			38	HOT	600UL
124	50	0.54	134	P 2	TWD	27	VS2	-0.73	TEC	TEH			39	HOT	600UL
		0.37	113	P 2	TWD	22	VS1	+0.84	TEC	TEH			39	HOT	600UL
		0.33	56	P 2	TWD	21	DHT	+0.00	TEC	TEH			39	HOT	600UL
124	66	0.20	149	P 2	TWD	13	VS1	+0.84	TEC	TEH	LAR		47	HOT	600UL
125	47	0.24	78	P 2	TWD	15	DCT	-0.11	TEC	TEH			38	HOT	600UL
125	49	0.13	165	P 2	TWD	10	VS1	+1.09	TEC	TEH			38	HOT	600UL
125	51	0.20	136	P 2	TWD	16	DHB	+2.02	TEC	TEH			39	HOT	600UL
125	59	0.19	120	P 2	TWD	13	VS1	+0.87	TEC	TEH			42	HOT	600UL
		0.23	41	P 2	TWD	15	DCT	+0.00	TEC	TEH			42	HOT	600UL
125	79	0.26	98	P 2	TWD	15	VS1	-0.69	TEH	TEC			16	COLD	600UL
125	99	0.29	154	P 2	TWD	14	09C	-0.98	TEH	TEC			18	COLD	600UL
125	105	0.19	53	P 2	TWD	11	08C	+0.60	TEC	TEH			29	HOT	600UL
125	107	0.22	130	P 2	TWD	11	VS1	+0.95	TEC	TEH			28	HOT	600UL
125	115	0.20	131	P 2	TWD	11	VS1	+0.71	TEC	TEH			32	HOT	600UL
125	121	0.54	31	P 2	TWD	18	DCT	+0.00	TEC	TEH			37	HOT	600UL
		0.26	159	P 2	TWD	10	07H	+0.84	TEC	TEH			37	HOT	600UL
126	50	0.55	110	P 2	TWD	25	VS1	+1.15	TEC	TEH			38	HOT	600UL
		0.44	114	P 2	TWD	22	08H	-0.12	TEC	TEH			38	HOT	600UL
126	54	0.47	107	P 2	TWD	23	VS1	+0.82	TEC	TEH			38	HOT	600UL
		0.37	85	P 2	TWD	20	VS1	+0.27	TEC	TEH			38	HOT	600UL
126	58	0.12	168	P 2	TWD	9	09H	+1.01	TEC	TEH			43	HOT	600UL
126	72	0.65	129	P 2	TWD	25	08H	+0.92	TEH	TEC			13	COLD	600UL
		0.48	38	P 2	TWD	21	09H	+0.14	TEH	TEC			13	COLD	600UL
126	74	0.27	151	P 2	TWD	15	VS2	+0.82	TEH	TEC			13	COLD	600UL
126	104	0.37	125	P 2	TWD	18	VS2	+0.90	TEC	TEH	HR		29	HOT	600UL
126	106	0.43	66	P 2	TWD	20	VS1	-0.87	TEC	TEH			29	HOT	600UL
126	120	0.57	77	P 2	TWD	20	08H	-1.12	TEC	TEH			37	HOT	600UL
127	51	0.13	18	P 2	TWD	10	09H	+0.86	TEC	TEH			38	HOT	600UL
127	57	0.34	74	P 2	TWD	19	VS1	+0.76	TEC	TEH			43	HOT	600UL
127	59	0.66	120	P 2	TWD	27	VS1	+0.93	TEC	TEH			43	HOT	600UL
		0.50	84	P 2	TWD	24	VS1	-0.35	TEC	TEH			43	HOT	600UL
		0.21	135	P 2	TWD	14	DCT	+0.00	TEC	TEH	HR		43	HOT	600UL
127	107	0.32	27	P 2	TWD	17	DCT	+0.00	TEC	TEH	HR		29	HOT	600UL
127	117	0.39	91	P 2	TWD	14	VS1	+0.94	TEC	TEH			37	HOT	600UL
128	52	0.48	31	P 2	TWD	23	DHT	+0.14	TEC	TEH			38	HOT	600UL
128	54	0.44	105	P 2	TWD	22	DHT	+0.00	TEC	TEH	LAR		39	HOT	600UL
128	60	0.26	56	P 2	TWD	16	VS5	-0.71	TEC	TEH			42	HOT	600UL
		0.41	76	P 2	TWD	22	DHB	+0.00	TEC	TEH			42	HOT	600UL
128	64	0.61	143	P 2	TWD	26	VS1	+0.76	TEC	TEH			47	HOT	600UL
128	116	0.25	25	P 2	TWD	16	VS2	+0.99	TEC	TEH			33	HOT	600UL
129	55	0.21	84	P 2	TWD	13	DCB	+0.51	TEC	TEH			38	HOT	600UL
129	57	0.87	46	P 2	TWD	31	DCT	+0.00	TEC	TEH			42	HOT	600UL
129	63	0.37	109	P 2	TWD	20	VS1	+0.67	TEC	TEH			43	HOT	600UL
129	103	0.37	93	P 2	TWD	19	VS5	-0.88	TEC	TEH			29	HOT	600UL
130	58	0.39	102	P 2	TWD	21	DCB	+0.00	TEC	TEH			43	HOT	600UL
130	60	0.38	145	P 2	TWD	21	DHT	+0.00	TEC	TEH			43	HOT	600UL
130	64	0.33	153	P 2	TWD	18	VS1	+0.73	TEC	TEH			46	HOT	600UL
131	79	0.22	148	P 2	TWD	16	VS4	-0.90	TEH	TEC	HR		22	COLD	600UL
132	58	0.87	106	P 2	TWD	25	DHB	+0.00	TEH	TEC			23	COLD	600UL
		0.64	128	P 2	TWD	20	DCB	+0.00	TEH	TEC			23	COLD	600UL
132	64	0.54	100	P 2	TWD	26	DHT	+0.00	TEH	TEC			22	COLD	600UL
132	68	0.22	130	P 2	TWD	15	VS2	-0.94	TEH	TEC			22	COLD	600UL
132	92	0.45	128	P 2	TWD	24	VS1	+0.90	TEH	TEC			22	COLD	600UL
132	108	0.41	87	P 2	TWD	23	DCB	+0.00	TEH	TEC			22	COLD	600UL
132	110	0.34	133	P 2	TWD	12	VS5	-0.81	TEH	TEC			23	COLD	600UL
133	63	0.50	77	P 2	TWD	25	VS1	+0.87	TEH	TEC			22	COLD	600UL
133	67	0.56	46	P 2	TWD	18	VS1	+0.63	TEH	TEC			23	COLD	600UL
133	75	0.57	102	P 2	TWD	19	VS1	+0.65	TEH	TEC			23	COLD	600UL
133	77	0.44	161	P 2	TWD	15	VS5	+0.75	TEH	TEC	HR		23	COLD	600UL
133	109	0.50	139	P 2	TWD	17	DHT	+0.00	TEH	TEC			23	COLD	600UL
134	62	0.30	97	P 2	TWD	10	08H	-1.14	TEH	TEC			23	COLD	600UL
		0.44	69	P 2	TWD	15	VS3	+0.85	TEH	TEC	HR		23	COLD	600UL
		0.50	143	P 2	TWD	17	DHT	+0.00	TEH	TEC	HR		23	COLD	600UL
134	72	0.65	105	P 2	TWD	21	VS1	+0.95	TEH	TEC			23	COLD	600UL
134	76	0.31	152	P 2	TWD	11	VS5	-0.94	TEH	TEC	HR		23	COLD	600UL
134	98	0.82	112	P 2	TWD	24	VS3	-0.68	TEH	TEC			23	COLD	600UL
134	100	0.19	144	P 2	TWD	14	VS4	-0.78	TEH	TEC	HR		22	COLD	600UL
134	102	0.79	122	P 2	TWD	30	DCT	+0.00	TEH	TEC			22	COLD	600UL
135	63	1.12	70	P 2	TWD	28	09H	+0.85	TEH	TEC			23	COLD	600UL
		1.45	92	P 2	TWD	31	VS1	-0.77	TEH	TEC			23	COLD	600UL
		0.55	43	P 2	TWD	18	VS1	+0.80	TEH	TEC			23	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.59	154	P 2	TWD	19	DHB	+0.00	TEH	TEC	HR		23	COLD	600UL
135	71	0.34	64	P 2	TWD	21	VS1	-0.85	TEH	TEC			22	COLD	600UL
135	73	0.93	66	P 2	TWD	32	VS1	+0.83	TEH	TEC			22	COLD	600UL
		0.42	138	P 2	TWD	23	VS2	+0.92	TEH	TEC			22	COLD	600UL
		0.55	71	P 2	TWD	26	VS3	+0.72	TEH	TEC			22	COLD	600UL
		1.44	125	P 2	TWD	36	VS4	+1.02	TEH	TEC			22	COLD	600UL
		0.12	37	P 2	TWD	9	VS5	+0.68	TEH	TEC	HR		22	COLD	600UL
135	83	0.27	84	P 2	TWD	18	VS1	-0.83	TEH	TEC			22	COLD	600UL
135	95	0.35	145	P 2	TWD	21	VS1	-1.00	TEH	TEC			22	COLD	600UL
135	97	0.74	60	P 2	TWD	30	VS3	+0.95	TEH	TEC			22	COLD	600UL
		0.24	41	P 2	TWD	17	VS5	+0.37	TEH	TEC			22	COLD	600UL
		0.61	44	P 2	TWD	28	VS1	-0.78	TEH	TEC	LAR		22	COLD	600UL
135	99	0.21	164	P 2	TWD	15	VS5	-0.85	TEH	TEC			22	COLD	600UL
136	70	1.19	134	P 2	TWD	29	VS1	-0.93	TEH	TEC			23	COLD	600UL
		0.47	144	P 2	TWD	16	VS2	+1.08	TEH	TEC			23	COLD	600UL
		0.58	97	P 2	TWD	19	VS3	-0.55	TEH	TEC			23	COLD	600UL
		0.25	155	P 2	TWD	8	VS5	-0.94	TEH	TEC			23	COLD	600UL
136	76	0.36	98	P 2	TWD	21	DCT	+0.00	TEH	TEC			22	COLD	600UL
136	98	0.17	160	P 2	TWD	13	VS1	-0.85	TEH	TEC	HR		22	COLD	600UL
136	102	0.33	48	P 2	TWD	12	VS1	+0.03	TEH	TEC	HR		23	COLD	600UL
137	99	0.55	67	P 2	TWD	18	VS5	-0.87	TEH	TEC			23	COLD	600UL
137	101	1.06	39	P 2	TWD	27	09H	+1.03	TEH	TEC			23	COLD	600UL
		0.71	135	P 2	TWD	22	DHB	+3.22	TEH	TEC			23	COLD	600UL
138	98	1.90	120	P 2	TWD	34	DHT	+0.00	TEH	TEC			23	COLD	600UL
139	91	1.45	131	P 2	TWD	31	DCT	+0.00	TEH	TEC			23	COLD	600UL
		0.49	132	P 2	TWD	17	VS5	+0.73	TEH	TEC	HR		23	COLD	600UL
		1.33	87	P 2	TWD	30	DHB	+3.64	TEH	TEC			23	COLD	600UL

Total Tubes : 470
Total Records: 666

St. Lucie Unit 2

Steam Generator 2B

Tubes With 1%-39% Through Wall Depth (TWD) Indications

Remaining in Service After Refueling Outage SL2-14

Spring 2003

Framatome ANP Inc. 7/17/2003 8:57:06 AM
Customer Name: St. Lucie Unit 2 Component: S/G B

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
1	3	0.17	12	P 2	TWD	11	01C	-1.05	07C	TEC			30	COLD	600UL
1	131	0.13	163	P 2	TWD	6	04H	+0.79	DHT	TEH			18	HOT	600UL
12	166	0.45	87	P 2	TWD	17	01C	-1.01	TEC	TEH			13	HOT	600UL
19	117	0.33	23	P 2	TWD	18	VS3	+0.80	TEH	TEC			41	COLD	600UL
20	104	0.34	109	P 2	TWD	14	VS3	+0.96	TEH	TEC			37	COLD	600UL
22	64	0.24	158	P 2	TWD	16	VS3	+0.87	TEH	TEC			21	COLD	600UL
24	104	0.30	137	P 2	TWD	14	VS3	+0.79	TEH	TEC			36	COLD	600UL
24	106	0.32	146	P 2	TWD	15	VS3	+0.73	TEH	TEC			36	COLD	600UL
25	65	0.28	44	P 2	TWD	17	VS3	+1.01	TEH	TEC			22	COLD	600UL
25	113	0.25	162	P 2	TWD	12	VS3	-0.79	TEH	TEC			38	COLD	600UL
26	104	0.32	131	P 2	TWD	13	VS3	+0.77	TEH	TEC			37	COLD	600UL
27	33	0.18	68	P 2	TWD	9	VS3	+0.65	TEC	TEH			15	HOT	600UL
27	103	0.34	45	P 2	TWD	16	VS3	-0.81	TEH	TEC			36	COLD	600UL
27	163	0.36	26	P 2	TWD	19	VS3	+0.66	TEC	TEH	HR		14	HOT	600UL
28	56	0.16	19	P 2	TWD	11	VS3	-0.87	TEH	TEC			21	COLD	600UL
28	104	0.23	154	P 2	TWD	11	VS3	+0.79	TEH	TEC			36	COLD	600UL
28	106	0.32	74	P 2	TWD	15	VS3	+0.69	TEH	TEC			36	COLD	600UL
29	45	0.26	167	P 2	TWD	16	VS3	-0.65	TEH	TEC			23	COLD	600UL
29	103	0.42	38	P 2	TWD	17	VS3	-0.84	TEH	TEC			37	COLD	600UL
29	107	0.28	62	P 2	TWD	14	VS3	+0.57	TEH	TEC			36	COLD	600UL
30	34	0.20	73	P 2	TWD	10	VS3	-0.79	TEC	TEH			15	HOT	600UL
31	103	0.31	89	P 2	TWD	15	VS3	-0.66	TEH	TEC			49	COLD	600UL
32	4	0.26	132	P 2	TWD	13	02H	+0.91	TEC	TEH			4	HOT	600UL
32	106	0.64	87	P 2	TWD	23	VS3	-0.81	TEH	TEC			36	COLD	600UL
33	99	0.50	23	P 2	TWD	20	DCB	+0.00	TEH	TEC			15	COLD	600UL
33	101	0.32	161	P 2	TWD	17	DCT	+0.00	TEH	TEC			50	COLD	600UL
33	151	0.45	15	P 2	TWD	19	VS3	+0.46	TEC	TEH			10	HOT	600UL
34	4	0.23	123	P 2	TWD	11	02H	-0.91	TEC	TEH			3	HOT	600UL
34	28	0.24	134	P 2	TWD	12	VS3	-1.13	TEC	TEH			11	HOT	600UL
34	68	0.39	49	P 2	TWD	21	DHB	+0.00	TEH	TEC	HR		20	COLD	600UL
		0.56	133	P 2	TWD	26	DCT	+0.00	TEH	TEC			20	COLD	600UL
		1.04	93	P 2	TWD	34	DCB	+0.00	TEH	TEC			20	COLD	600UL
34	98	0.55	120	P 2	TWD	28	DHB	+0.00	TEH	TEC			54	COLD	600UL
		0.23	17	P 2	TWD	17	DHT	+0.00	TEH	TEC			54	COLD	600UL
		0.42	84	P 2	TWD	25	VS3	-0.82	TEH	TEC			54	COLD	600UL
		0.40	105	P 2	TWD	24	VS3	+0.54	TEH	TEC			54	COLD	600UL
		0.29	114	P 2	TWD	20	DCB	+0.00	TEH	TEC			54	COLD	600UL
		0.25	105	P 2	TWD	18	DCT	+0.00	TEH	TEC	HR		54	COLD	600UL
34	100	0.58	89	P 2	TWD	23	DHB	+0.00	TEH	TEC			49	COLD	600UL
		0.28	113	P 2	TWD	14	DCB	+0.00	TEH	TEC			49	COLD	600UL
		1.34	91	P 2	TWD	34	DHT	+0.00	TEH	TEC			49	COLD	600UL
34	102	0.73	117	P 2	TWD	26	VS3	+0.64	TEH	TEC			49	COLD	600UL
34	104	0.31	169	P 2	TWD	15	VS3	-0.62	TEH	TEC			49	COLD	600UL
34	108	0.77	85	P 2	TWD	26	VS3	-0.73	TEH	TEC			36	COLD	600UL
34	112	0.27	8	P 2	TWD	16	VS3	-0.72	TEH	TEC			39	COLD	600UL
35	69	0.50	154	P 2	TWD	25	DCT	+0.00	TEH	TEC			18	COLD	600UL
35	71	0.63	118	P 2	TWD	28	DCB	+0.00	TEH	TEC			18	COLD	600UL
		0.39	36	P 2	TWD	21	DHT	+0.00	TEH	TEC			18	COLD	600UL
35	97	0.19	146	P 2	TWD	16	DHB	+0.00	TEH	TEC			16	COLD	600UL
35	101	0.69	91	P 2	TWD	25	VS3	-0.82	TEH	TEC			49	COLD	600UL
35	103	0.50	138	P 2	TWD	16	VS3	-0.50	TEH	TEC	HR		49	COLD	600UL
35	111	0.21	169	P 2	TWD	11	VS3	-0.87	TEH	TEC			38	COLD	600UL
35	163	0.41	40	P 2	TWD	10	01H	+0.78	TEC	TEH			14	HOT	600UL
36	68	0.61	78	P 2	TWD	22	VS3	+0.91	TEH	TEC			19	COLD	600UL
		0.28	60	P 2	TWD	13	VS3	-0.67	TEH	TEC			19	COLD	600UL
36	70	0.45	26	P 2	TWD	23	DHB	+0.00	TEH	TEC			18	COLD	600UL
		0.74	121	P 2	TWD	30	DCB	+0.00	TEH	TEC			18	COLD	600UL
36	126	0.20	161	P 2	TWD	13	VS3	-1.00	TEH	TEC			43	COLD	600UL
36	164	0.42	84	P 2	TWD	16	01C	-0.02	TEC	TEH			13	HOT	600UL
37	71	0.79	66	P 2	TWD	26	DHT	-0.02	TEH	TEC			17	COLD	600UL
37	99	0.82	123	P 2	TWD	33	VS3	-0.74	TEH	TEC			54	COLD	600UL
		0.52	69	P 2	TWD	27	VS3	-0.34	TEH	TEC			54	COLD	600UL
		0.57	69	P 2	TWD	28	DHB	+0.00	TEH	TEC			54	COLD	600UL
		0.74	41	P 2	TWD	31	DCB	+0.00	TEH	TEC			54	COLD	600UL
37	101	0.19	43	P 2	TWD	12	VS3	-0.87	TEH	TEC			50	COLD	600UL
38	68	0.21	159	P 2	TWD	14	VS3	-0.61	TEH	TEC	HR		20	COLD	600UL
38	104	0.31	14	P 2	TWD	15	VS3	+0.58	TEH	TEC			49	COLD	600UL
39	15	0.16	168	P 2	TWD	8	04H	+0.73	TEC	TEH			7	HOT	600UL
39	65	0.51	47	P 2	TWD	22	VS3	-0.83	TEH	TEC			48	COLD	600UL
39	69	0.24	161	P 2	TWD	15	DHT	+0.00	TEH	TEC			18	COLD	600UL
		0.23	117	P 2	TWD	15	VS3	-0.69	TEH	TEC			18	COLD	600UL
		0.56	143	P 2	TWD	26	VS3	+0.61	TEH	TEC			18	COLD	600UL
39	133	0.19	50	P 2	TWD	10	VS3	-0.73	TEC	TEH			2	HOT	600UL
39	141	0.28	135	P 2	TWD	12	VS3	+0.89	TEC	TEH			10	HOT	600UL
40	18	0.37	87	P 2	TWD	13	VS3	-0.89	TEC	TEH			8	HOT	600UL
40	104	0.82	115	P 2	TWD	28	VS3	-0.64	TEH	TEC			49	COLD	600UL
40	162	0.44	56	P 2	TWD	22	01C	-0.96	TEC	TEH			14	HOT	600UL
41	55	0.42	68	P 2	TWD	17	VS3	+0.96	TEH	TEC			19	COLD	600UL
41	69	0.47	109	P 2	TWD	20	07C	-0.99	TEH	TEC			17	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
42	30	0.31	113	P 2	TWD	14	VS3	-0.80	TEC	TEH			11	HOT	600UL
42	94	1.33	75	P 2	TWD	33	DCB	+0.00	TEH	TEC			15	COLD	600UL
42	106	0.27	139	P 2	TWD	11	VS3	-0.28	TEH	TEC	HR		37	COLD	600UL
42	136	0.20	21	P 2	TWD	9	VS3	-0.77	TEC	TEH			5	HOT	600UL
42	162	0.60	60	P 2	TWD	20	01C	+0.82	TEC	TEH			13	HOT	600UL
43	33	0.33	70	P 2	TWD	15	VS3	+0.83	TEC	TEH			15	HOT	600UL
43	47	0.42	149	P 2	TWD	23	VS3	-0.89	TEH	TEC			24	COLD	600UL
43	61	0.70	133	P 2	TWD	29	VS3	+0.67	TEH	TEC			20	COLD	600UL
43	75	0.32	33	P 2	TWD	19	DCB	+0.00	TEH	TEC			18	COLD	600UL
43	93	0.83	8	P 2	TWD	33	DCB	+0.00	TEH	TEC			16	COLD	600UL
		1.07	8	P 2	TWD	35	DHT	+0.00	TEH	TEC			16	COLD	600UL
44	26	0.37	28	P 2	TWD	17	VS3	-0.85	TEC	TEH			12	HOT	600UL
44	76	1.09	99	P 2	TWD	35	DHB	+0.00	TEH	TEC			18	COLD	600UL
44	92	0.46	43	P 2	TWD	21	DHB	+0.00	TEH	TEC	HR		16	COLD	600UL
		0.35	20	P 2	TWD	18	DCT	+0.02	TEH	TEC	HR		16	COLD	600UL
44	94	0.40	31	P 2	TWD	25	DCB	+0.00	TEH	TEC			16	COLD	600UL
44	142	0.34	0	P 2	TWD	15	07C	-0.98	TEC	TEH			9	HOT	600UL
45	25	0.65	97	P 2	TWD	24	VS3	-0.75	TEC	TEH			12	HOT	600UL
45	71	0.46	43	P 2	TWD	19	VS3	-0.67	TEH	TEC			17	COLD	600UL
		0.78	79	P 2	TWD	26	DCT	+0.00	TEH	TEC			17	COLD	600UL
45	75	0.46	114	P 2	TWD	19	DCB	+0.00	TEH	TEC			17	COLD	600UL
45	97	0.45	154	P 2	TWD	19	VS3	-0.96	TEH	TEC			15	COLD	600UL
46	22	0.35	27	P 2	TWD	16	VS3	+0.90	TEC	TEH			11	HOT	600UL
46	44	0.15	25	P 2	TWD	11	VS3	+0.71	TEH	TEC			24	COLD	600UL
46	66	0.20	152	P 2	TWD	13	VS3	+0.77	TEH	TEC			20	COLD	600UL
46	68	0.18	157	P 2	TWD	12	VS3	+1.03	TEH	TEC			20	COLD	600UL
		0.10	13	P 2	TWD	7	DCT	+0.00	TEH	TEC			20	COLD	600UL
46	70	0.87	138	P 2	TWD	32	VS3	+0.91	TEH	TEC			18	COLD	600UL
46	76	0.42	45	P 2	TWD	22	DHB	+0.00	TEH	TEC			18	COLD	600UL
46	94	0.97	110	P 2	TWD	29	VS3	-0.88	TEH	TEC			15	COLD	600UL
		1.31	128	P 2	TWD	33	DCB	+0.00	TEH	TEC			15	COLD	600UL
46	96	0.18	162	P 2	TWD	15	DHB	+0.00	TEH	TEC			16	COLD	600UL
46	126	0.40	54	P 2	TWD	17	VS3	-0.74	TEH	TEC			42	COLD	600UL
47	21	0.48	146	P 2	TWD	20	VS3	-1.05	TEC	TEH			11	HOT	600UL
47	99	0.43	150	P 2	TWD	18	VS3	-0.69	TEH	TEC			15	COLD	600UL
47	101	0.31	137	P 2	TWD	19	VS3	+0.86	TEH	TEC			53	COLD	600UL
47	105	0.35	81	P 2	TWD	16	VS3	-0.79	TEH	TEC			36	COLD	600UL
		0.46	80	P 2	TWD	19	VS3	+0.71	TEH	TEC			36	COLD	600UL
48	22	0.44	0	P 2	TWD	19	VS3	+0.70	TEC	TEH			12	HOT	600UL
48	58	0.11	154	P 2	TWD	8	VS3	+0.81	TEH	TEC			20	COLD	600UL
48	70	0.36	162	P 2	TWD	17	VS3	+0.82	TEH	TEC			17	COLD	600UL
48	72	0.41	46	P 2	TWD	18	VS3	-0.71	TEH	TEC			17	COLD	600UL
48	74	0.23	134	P 2	TWD	12	DHB	+0.00	TEH	TEC			17	COLD	600UL
48	82	0.28	19	P 2	TWD	20	DHT	+0.00	TEH	TEC			16	COLD	600UL
48	84	1.61	116	P 2	TWD	39	DHB	+0.00	TEH	TEC			16	COLD	600UL
		1.43	96	P 2	TWD	38	DCT	+0.00	TEH	TEC			16	COLD	600UL
48	92	0.36	126	P 2	TWD	23	DHB	+0.00	TEH	TEC			16	COLD	600UL
49	59	0.56	53	P 2	TWD	26	VS3	-0.89	TEH	TEC			20	COLD	600UL
		0.26	29	P 2	TWD	16	VS3	+0.85	TEH	TEC			20	COLD	600UL
50	36	0.44	61	P 2	TWD	19	VS3	+0.42	TEC	TEH			15	HOT	600UL
50	72	0.32	59	P 2	TWD	19	VS3	-0.82	TEH	TEC			18	COLD	600UL
50	80	0.55	92	P 2	TWD	28	DHB	+0.00	TEH	TEC			16	COLD	600UL
		0.32	122	P 2	TWD	22	DCT	+0.00	TEH	TEC			16	COLD	600UL
50	82	0.09	78	P 2	TWD	14	DCB	+0.77	TEH	TEC			16	COLD	600UL
50	84	0.86	107	P 2	TWD	33	DCT	+0.00	TEH	TEC			16	COLD	600UL
		0.10	16	P 2	TWD	15	DHB	+0.36	TEH	TEC			16	COLD	600UL
50	88	0.27	157	P 2	TWD	20	DHB	+0.00	TEH	TEC			16	COLD	600UL
50	94	0.38	80	P 2	TWD	24	VS3	-0.93	TEH	TEC			16	COLD	600UL
50	106	0.51	105	P 2	TWD	19	VS3	+0.90	TEH	TEC			37	COLD	600UL
50	108	0.21	164	P 2	TWD	11	VS3	-0.67	TEH	TEC			36	COLD	600UL
50	110	0.27	163	P 2	TWD	13	VS3	-0.71	TEH	TEC			38	COLD	600UL
		0.28	140	P 2	TWD	14	VS3	+0.65	TEH	TEC	HR		38	COLD	600UL
51	79	0.36	146	P 2	TWD	23	DHT	+0.00	TEH	TEC			16	COLD	600UL
		0.50	69	P 2	TWD	27	DCB	+0.00	TEH	TEC			16	COLD	600UL
51	81	0.16	156	P 2	TWD	16	DCT	+0.00	TEH	TEC			16	COLD	600UL
51	83	0.67	95	P 2	TWD	31	DCT	+0.00	TEH	TEC			16	COLD	600UL
		0.47	37	P 2	TWD	27	DCB	+0.00	TEH	TEC			16	COLD	600UL
51	89	0.58	112	P 2	TWD	29	DHB	+0.00	TEH	TEC			16	COLD	600UL
51	95	0.41	23	P 2	TWD	18	07H	+0.72	TEH	TEC			15	COLD	600UL
51	115	0.17	166	P 2	TWD	11	VS3	+0.98	TEH	TEC			39	COLD	600UL
51	121	0.37	96	P 2	TWD	19	VS3	+0.76	TEH	TEC			41	COLD	600UL
		0.34	115	P 2	TWD	18	VS3	-1.06	TEH	TEC			41	COLD	600UL
52	8	0.45	143	P 2	TWD	19	01C	-0.98	TEC	TEH			4	HOT	600UL
52	76	0.90	105	P 2	TWD	28	VS3	+0.87	TEH	TEC			17	COLD	600UL
52	78	0.61	130	P 2	TWD	30	VS3	+0.87	TEH	TEC			16	COLD	600UL
		0.26	128	P 2	TWD	19	VS3	-1.34	TEH	TEC			16	COLD	600UL
		0.61	87	P 2	TWD	30	DCT	+0.00	TEH	TEC			16	COLD	600UL
		0.09	152	P 2	TWD	14	DCB	+0.00	TEH	TEC			16	COLD	600UL
52	80	2.25	91	P 2	TWD	39	DHB	+0.00	TEH	TEC			15	COLD	600UL
		0.59	55	P 2	TWD	22	VS3	-0.71	TEH	TEC			15	COLD	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.85	100	P 2	TWD	27	VS3	+0.67	TEH	TEC			15	COLD	600UL
		0.57	141	P 2	TWD	22	DCT	+0.00	TEH	TEC			15	COLD	600UL
52	84	0.60	118	P 2	TWD	23	DCT	-0.18	TEH	TEC			15	COLD	600UL
52	88	0.68	122	P 2	TWD	31	VS3	+0.69	TEH	TEC			16	COLD	600UL
		0.53	117	P 2	TWD	28	DCB	+0.00	TEH	TEC			16	COLD	600UL
52	90	0.54	34	P 2	TWD	21	DCB	+0.00	TEH	TEC			15	COLD	600UL
52	116	0.67	29	P 2	TWD	25	VS3	+0.71	TEH	TEC			40	COLD	600UL
		0.13	169	P 2	TWD	7	VS3	-0.79	TEH	TEC			40	COLD	600UL
52	124	0.37	88	P 2	TWD	16	VS3	-0.95	TEH	TEC			42	COLD	600UL
52	146	0.26	144	P 2	TWD	13	VS3	+0.93	TEC	TEH			9	HOT	600UL
		0.46	34	P 2	TWD	19	VS3	-0.73	TEC	TEH			9	HOT	600UL
		0.21	46	P 2	TWD	11	07C	-0.98	TEC	TEH			9	HOT	600UL
53	29	0.28	79	P 2	TWD	14	VS3	+1.01	TEC	TEH			12	HOT	600UL
53	63	0.21	69	P 2	TWD	10	VS3	-0.55	TEH	TEC			19	COLD	600UL
53	77	0.26	127	P 2	TWD	16	DCB	+0.00	TEH	TEC			18	COLD	600UL
53	81	0.89	88	P 2	TWD	28	DHT	+0.10	TEH	TEC			15	COLD	600UL
		0.54	47	P 2	TWD	21	DCT	+0.00	TEH	TEC			15	COLD	600UL
53	87	0.37	85	P 2	TWD	17	DCB	+0.00	TEH	TEC			15	COLD	600UL
53	91	0.31	42	P 2	TWD	15	DCT	+0.00	TEH	TEC			15	COLD	600UL
53	103	0.25	22	P 2	TWD	14	DCT	+0.00	TEH	TEC			34	COLD	600UL
53	151	0.19	36	P 2	TWD	7	DCB	+0.00	TEC	TEH			10	HOT	600UL
54	22	0.56	116	P 2	TWD	22	VS3	-1.10	TEC	TEH			11	HOT	600UL
54	76	0.20	165	P 2	TWD	13	VS3	-0.63	TEH	TEC			18	COLD	600UL
		0.27	59	P 2	TWD	17	VS3	+0.74	TEH	TEC			18	COLD	600UL
54	78	0.49	95	P 2	TWD	27	DHB	+0.00	TEH	TEC			16	COLD	600UL
		0.45	106	P 2	TWD	26	DCB	+0.00	TEH	TEC			16	COLD	600UL
		0.16	38	P 2	TWD	16	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	84	0.37	55	P 2	TWD	21	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	86	0.56	58	P 2	TWD	29	DCT	+0.00	TEH	TEC			16	COLD	600UL
54	88	0.21	155	P 2	TWD	11	VS3	-0.81	TEH	TEC			15	COLD	600UL
		0.59	59	P 2	TWD	22	VS3	+0.71	TEH	TEC			15	COLD	600UL
54	90	0.43	63	P 2	TWD	26	DCB	+0.00	TEH	TEC			16	COLD	600UL
54	92	1.06	74	P 2	TWD	30	VS3	+0.83	TEH	TEC			15	COLD	600UL
54	118	0.22	77	P 2	TWD	13	VS3	+0.90	TEH	TEC			41	COLD	600UL
54	124	0.17	9	P 2	TWD	11	VS3	+0.90	TEH	TEC			43	COLD	600UL
		0.30	20	P 2	TWD	18	VS3	+0.12	TEH	TEC			43	COLD	600UL
		0.15	6	P 2	TWD	10	VS3	-0.94	TEH	TEC			43	COLD	600UL
54	134	0.32	37	P 2	TWD	15	DCT	-0.24	TEC	TEH	HR		6	HOT	600UL
		0.40	38	P 2	TWD	17	VS3	-0.88	TEC	TEH			6	HOT	600UL
		0.20	21	P 2	TWD	10	DCB	+0.61	TEC	TEH			6	HOT	600UL
54	144	0.34	24	P 2	TWD	16	DCT	+0.00	TEC	TEH			10	HOT	600UL
54	154	0.23	14	P 2	TWD	9	VS3	+0.02	TEC	TEH			10	HOT	600UL
55	15	0.15	171	P 2	TWD	7	04H	+0.88	TEC	TEH			7	HOT	600UL
55	77	1.31	124	P 2	TWD	33	DCB	+0.00	TEH	TEC			17	COLD	600UL
55	87	1.16	99	P 2	TWD	36	DCT	+0.00	TEH	TEC			16	COLD	600UL
55	99	0.17	162	P 2	TWD	9	VS3	+1.20	TEH	TEC			15	COLD	600UL
55	125	0.93	120	P 2	TWD	33	VS3	-0.78	TEH	TEC			43	COLD	600UL
55	135	0.30	68	P 2	TWD	14	DCT	-0.24	TEC	TEH	HR		6	HOT	600UL
55	139	0.96	73	P 2	TWD	29	VS3	+0.71	TEC	TEH			6	HOT	600UL
55	159	0.20	21	P 2	TWD	13	DHT	+0.00	TEC	TEH	HR		14	HOT	600UL
56	76	0.45	151	P 2	TWD	19	VS3	-0.87	TEH	TEC			17	COLD	600UL
		0.87	149	P 2	TWD	28	VS3	+0.87	TEH	TEC			17	COLD	600UL
56	90	0.48	69	P 2	TWD	20	VS3	-0.18	TEH	TEC			15	COLD	600UL
56	98	0.28	160	P 2	TWD	14	VS3	+0.83	TEH	TEC			15	COLD	600UL
56	138	0.45	122	P 2	TWD	18	VS3	+1.01	TEC	TEH			5	HOT	600UL
		0.40	126	P 2	TWD	17	VS3	-0.52	TEC	TEH			5	HOT	600UL
56	142	0.26	0	P 2	TWD	13	07C	-0.93	TEC	TEH			9	HOT	600UL
57	51	0.99	54	P 2	TWD	33	VS3	-0.69	TEH	TEC			21	COLD	600UL
57	85	0.68	118	P 2	TWD	24	DCB	+0.00	TEH	TEC			15	COLD	600UL
57	137	0.28	22	P 2	TWD	13	VS3	+0.78	TEC	TEH	HR		5	HOT	600UL
59	79	0.16	84	P 2	TWD	14	DCB	+0.00	TEH	TEC			16	COLD	600UL
60	10	0.40	151	P 2	TWD	17	02H	+0.76	TEC	TEH			3	HOT	600UL
60	80	0.65	45	P 2	TWD	24	DCB	+0.00	TEH	TEC			15	COLD	600UL
60	86	0.14	166	P 2	TWD	8	VS3	-0.74	TEH	TEC			15	COLD	600UL
60	92	0.14	132	P 2	TWD	12	VS4	-0.79	TEH	TEC			16	COLD	600UL
		0.34	95	P 2	TWD	22	VS3	+1.03	TEH	TEC			16	COLD	600UL
60	134	0.56	52	P 2	TWD	21	VS3	-0.65	TEC	TEH			5	HOT	600UL
60	152	0.16	148	P 2	TWD	5	VS3	+0.86	TEC	TEH			10	HOT	600UL
		0.11	107	P 2	TWD	2	VS4	-0.84	TEC	TEH			10	HOT	600UL
61	79	0.30	28	P 2	TWD	14	DCB	+0.00	TEH	TEC	HR		15	COLD	600UL
61	85	0.46	65	P 2	TWD	19	DCB	+0.00	TEH	TEC			15	COLD	600UL
61	155	0.23	124	P 2	TWD	9	VS2	+0.82	TEC	TEH			9	HOT	600UL
62	12	0.29	119	P 2	TWD	13	01H	-0.93	TEC	TEH			7	HOT	600UL
62	18	0.26	93	P 2	TWD	12	VS3	-0.76	TEC	TEH			7	HOT	600UL
62	46	0.21	57	P 2	TWD	14	VS2	+0.40	TEH	TEC			24	COLD	600UL
62	88	0.62	89	P 2	TWD	23	VS3	-0.72	TEH	TEC			15	COLD	600UL
62	98	0.29	136	P 2	TWD	14	VS3	-0.78	TEH	TEC			15	COLD	600UL
63	79	0.31	135	P 2	TWD	15	DCB	+0.00	TEH	TEC	HR		15	COLD	600UL
63	143	0.30	73	P 2	TWD	13	VS3	-0.82	TEC	TEH			10	HOT	600UL
64	34	0.53	53	P 2	TWD	21	VS4	-0.46	TEC	TEH	HR		15	HOT	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
64	84	0.34	93	P 2	TWD	16	VS3	-0.30	TEH	TEC			15	COLD	600UL
64	152	0.45	65	P 2	TWD	19	VS4	-0.91	TEC	TEH			10	HOT	600UL
		0.61	105	P 2	TWD	24	VS2	-0.71	TEC	TEH			10	HOT	600UL
66	94	0.17	128	P 2	TWD	9	VS3	+0.68	TEH	TEC	HR		15	COLD	600UL
67	29	0.32	116	P 2	TWD	15	VS2	-0.97	TEC	TEH			11	HOT	600UL
68	38	0.30	156	P 2	TWD	11	VS2	-0.50	TEH	TEC			25	COLD	600UL
68	50	0.29	99	P 2	TWD	18	VS2	+0.56	TEH	TEC			22	COLD	600UL
		0.43	121	P 2	TWD	23	VS3	-0.93	TEH	TEC			22	COLD	600UL
69	145	0.33	103	P 2	TWD	15	VS2	+0.81	TEC	TEH			10	HOT	600UL
69	153	0.19	55	P 2	TWD	7	VS4	-0.74	TEC	TEH			10	HOT	600UL
70	138	0.44	127	P 2	TWD	19	VS3	+0.82	TEC	TEH			6	HOT	600UL
71	97	0.18	130	P 2	TWD	15	VS2	+0.62	TEH	TEC			16	COLD	600UL
		0.55	146	P 2	TWD	28	VS4	-0.82	TEH	TEC			16	COLD	600UL
75	129	0.23	44	P 2	TWD	11	DHB	+0.15	TEH	TEC			42	COLD	600UL
76	146	0.47	58	P 2	TWD	19	VS2	+0.75	TEC	TEH			9	HOT	600UL
		0.33	66	P 2	TWD	15	VS3	+0.95	TEC	TEH			9	HOT	600UL
77	141	0.31	0	P 2	TWD	14	DCT	+0.00	TEC	TEH			9	HOT	600UL
80	138	0.27	115	P 2	TWD	12	08C	-1.07	TEC	TEH			5	HOT	600UL
81	25	0.40	48	P 2	TWD	16	DCT	+0.00	TEC	TEH			27	HOT	600UL
81	39	0.40	142	P 2	TWD	17	VS4	+0.91	TEC	TEH			41	HOT	600UL
81	41	0.48	78	P 2	TWD	19	VS3	-0.74	TEC	TEH			41	HOT	600UL
81	57	0.27	30	P 2	TWD	14	VS4	-0.68	TEC	TEH	HR		33	HOT	600UL
82	150	0.55	145	P 2	TWD	20	VS3	+0.80	TEC	TEH			21	HOT	600UL
83	39	0.31	48	P 2	TWD	14	VS2	+0.71	TEC	TEH	HR		41	HOT	600UL
83	55	0.29	135	P 2	TWD	15	VS3	-0.55	TEC	TEH	HR		33	HOT	600UL
		0.32	77	P 2	TWD	16	VS4	+0.70	TEC	TEH	HR		33	HOT	600UL
85	129	0.35	126	P 2	TWD	13	DHB	+0.18	TEC	TEH			25	HOT	600UL
85	147	0.21	126	P 2	TWD	11	VS2	-0.52	TEC	TEH	LAR		22	HOT	600UL
86	48	0.36	30	P 2	TWD	16	VS2	+0.82	TEC	TEH			37	HOT	600UL
87	23	0.50	88	P 2	TWD	19	VS2	+0.98	TEC	TEH			27	HOT	600UL
87	37	0.47	155	P 2	TWD	18	VS2	+0.81	TEC	TEH	HR		24	HOT	600UL
		0.24	38	P 2	TWD	10	VS2	-0.75	TEC	TEH	HR		24	HOT	600UL
87	83	0.26	127	P 2	TWD	14	VS3	-0.94	TEH	TEC			10	COLD	600UL
87	93	0.22	33	P 2	TWD	17	VS3	-0.98	TEH	TEC			7	COLD	600UL
87	103	0.19	137	P 2	TWD	6	VS2	-0.91	TEC	TEH			35	HOT	600UL
87	131	0.37	92	P 2	TWD	15	VS2	-0.61	TEC	TEH			21	HOT	600UL
87	135	0.32	24	P 2	TWD	14	VS3	-0.78	TEC	TEH	HR		21	HOT	600UL
		0.29	44	P 2	TWD	12	VS2	-0.96	TEC	TEH			21	HOT	600UL
88	24	0.40	54	P 2	TWD	18	VS2	+0.88	TEC	TEH			28	HOT	600UL
88	78	0.36	131	P 2	TWD	24	VS2	-0.74	TEH	TEC			12	COLD	600UL
		0.51	102	P 2	TWD	28	VS2	+0.96	TEH	TEC			12	COLD	600UL
88	84	0.59	149	P 2	TWD	22	VS2	+0.83	TEH	TEC			9	COLD	600UL
88	86	0.75	90	P 2	TWD	26	VS3	+0.75	TEH	TEC			9	COLD	600UL
88	108	0.26	47	P 2	TWD	13	05H	+1.14	TEC	TEH			36	HOT	600UL
88	120	0.89	14	P 2	TWD	28	VS4	-0.74	TEC	TEH			26	HOT	600UL
88	128	0.31	88	P 2	TWD	11	08C	-0.89	TEC	TEH			25	HOT	600UL
88	138	0.45	146	P 2	TWD	18	DCB	+0.00	TEC	TEH			21	HOT	600UL
89	29	0.44	13	P 2	TWD	18	DHT	+0.00	TEC	TEH			27	HOT	600UL
89	83	1.39	97	P 2	TWD	34	VS3	-0.83	TEH	TEC			9	COLD	600UL
89	89	0.27	162	P 2	TWD	14	VS2	-0.71	TEH	TEC			8	COLD	600UL
89	97	0.41	125	P 2	TWD	18	VS4	-0.84	TEH	TEC			8	COLD	600UL
89	101	0.17	72	P 2	TWD	9	06H	+0.94	TEC	TEH			36	HOT	600UL
89	103	0.45	112	P 2	TWD	20	VS2	-0.81	TEC	TEH			36	HOT	600UL
89	111	0.80	53	P 2	TWD	29	VS4	-0.74	TEC	TEH			31	HOT	600UL
89	117	0.72	58	P 2	TWD	28	VS2	-0.78	TEC	TEH			31	HOT	600UL
89	135	0.56	113	P 2	TWD	22	DCB	+0.00	TEC	TEH			22	HOT	600UL
		0.28	16	P 2	TWD	14	VS2	+0.74	TEC	TEH	LAR		22	HOT	600UL
		0.27	90	P 2	TWD	13	VS2	-0.94	TEC	TEH	LAR		22	HOT	600UL
91	25	0.44	120	P 2	TWD	18	DCT	+0.00	TEC	TEH			27	HOT	600UL
91	27	0.41	109	P 2	TWD	17	VS4	-0.85	TEC	TEH			27	HOT	600UL
91	29	0.47	85	P 2	TWD	20	DCT	+0.00	TEC	TEH			28	HOT	600UL
91	101	0.32	147	P 2	TWD	10	VS2	-0.70	TEC	TEH			35	HOT	600UL
92	28	0.23	104	P 2	TWD	12	VS2	+0.85	TEC	TEH			28	HOT	600UL
		0.22	13	P 2	TWD	11	VS2	-0.67	TEC	TEH			28	HOT	600UL
92	30	0.50	57	P 2	TWD	21	VS2	+0.76	TEC	TEH			28	HOT	600UL
		0.33	84	P 2	TWD	16	VS4	-0.94	TEC	TEH	HR		28	HOT	600UL
92	102	0.23	91	P 2	TWD	12	VS2	+0.62	TEC	TEH			36	HOT	600UL
92	138	0.40	28	P 2	TWD	16	VS2	+0.78	TEC	TEH			21	HOT	600UL
92	142	0.48	110	P 2	TWD	20	VS2	+0.60	TEC	TEH			22	HOT	600UL
93	23	0.28	139	P 2	TWD	14	DCT	+0.00	TEC	TEH			28	HOT	600UL
93	49	0.56	83	P 2	TWD	22	VS2	-0.97	TEC	TEH			38	HOT	600UL
93	97	0.48	140	P 2	TWD	20	VS2	+0.74	TEH	TEC			8	COLD	600UL
		0.21	34	P 2	TWD	11	VS4	+0.66	TEH	TEC			8	COLD	600UL
93	101	0.68	15	P 2	TWD	26	VS3	-0.55	TEC	TEH			36	HOT	600UL
		0.49	26	P 2	TWD	21	VS2	-0.85	TEC	TEH			36	HOT	600UL
93	109	0.12	167	P 2	TWD	7	VS2	-0.95	TEC	TEH			32	HOT	600UL
93	127	0.44	161	P 2	TWD	15	VS3	+0.43	TEC	TEH			25	HOT	600UL
94	24	0.66	63	P 2	TWD	23	DCB	+0.00	TEC	TEH			27	HOT	600UL
94	26	0.32	102	P 2	TWD	14	VS2	+0.98	TEC	TEH			27	HOT	600UL
		0.35	105	P 2	TWD	15	VS2	-1.00	TEC	TEH			27	HOT	600UL

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
		0.35	140	P 2	TWD	15	DHT	+0.00	TEC	TEH			27	HOT	600UL
94	36	0.36	107	P 2	TWD	17	VS2	-0.67	TEC	TEH			23	HOT	600UL
94	44	0.24	27	P 2	TWD	12	VS2	-0.72	TEC	TEH			41	HOT	600UL
		0.45	83	P 2	TWD	18	VS4	-1.25	TEC	TEH	HR		41	HOT	600UL
94	54	0.56	75	P 2	TWD	23	VS3	+0.62	TEC	TEH	HR		33	HOT	600UL
94	98	0.27	159	P 2	TWD	19	VS2	+0.84	TEH	TEC			7	COLD	600UL
94	100	1.52	80	P 2	TWD	33	VS2	+0.86	TEC	TEH			35	HOT	600UL
		1.27	91	P 2	TWD	29	VS2	-0.70	TEC	TEH			35	HOT	600UL
		0.63	15	P 2	TWD	18	VS4	+0.89	TEC	TEH			35	HOT	600UL
94	102	0.36	11	P 2	TWD	11	VS3	-0.81	TEC	TEH			35	HOT	600UL
94	104	0.39	157	P 2	TWD	12	08C	+0.88	TEC	TEH			35	HOT	600UL
94	122	0.45	135	P 2	TWD	15	VS2	-1.05	TEC	TEH			25	HOT	600UL
94	124	0.56	133	P 2	TWD	22	VS3	-0.88	TEC	TEH			26	HOT	600UL
		0.99	118	P 2	TWD	29	VS2	-0.82	TEC	TEH			26	HOT	600UL
94	126	0.43	141	P 2	TWD	19	VS3	-0.78	TEC	TEH			26	HOT	600UL
		0.53	103	P 2	TWD	21	VS2	-0.96	TEC	TEH			26	HOT	600UL
		0.39	156	P 2	TWD	17	VS4	+0.86	TEC	TEH	HR		26	HOT	600UL
94	136	0.45	81	P 2	TWD	19	VS4	+0.99	TEC	TEH			22	HOT	600UL
94	140	0.15	15	P 2	TWD	6	VS2	+0.95	TEC	TEH	HR		21	HOT	600UL
94	144	0.36	21	P 2	TWD	15	VS4	+0.75	TEC	TEH			21	HOT	600UL
		0.13	145	P 2	TWD	5	VS3	-0.98	TEC	TEH	HR		21	HOT	600UL
		0.45	92	P 2	TWD	18	VS2	-0.84	TEC	TEH	HR		21	HOT	600UL
95	25	0.25	134	P 2	TWD	12	VS4	-0.83	TEC	TEH			27	HOT	600UL
95	29	0.81	100	P 2	TWD	27	DCT	+0.00	TEC	TEH			28	HOT	600UL
		0.37	79	P 2	TWD	17	VS2	+0.61	TEC	TEH			28	HOT	600UL
95	41	0.41	42	P 2	TWD	16	VS4	+0.95	TEC	TEH			42	HOT	600UL
		0.49	69	P 2	TWD	18	VS2	+1.00	TEC	TEH			42	HOT	600UL
95	85	0.20	131	P 2	TWD	11	VS2	-0.76	TEH	TEC			10	COLD	600UL
95	95	0.24	18	P 2	TWD	18	VS2	+0.84	TEH	TEC			7	COLD	600UL
		0.24	143	P 2	TWD	18	VS4	-0.66	TEH	TEC			7	COLD	600UL
95	99	0.09	159	P 2	TWD	7	08C	+1.03	TEH	TEC			4	COLD	600UL
95	127	0.43	70	P 2	TWD	19	VS2	-0.36	TEC	TEH			26	HOT	600UL
95	129	0.41	128	P 2	TWD	14	VS2	+0.84	TEC	TEH	HR		26	HOT	600UL
95	131	0.51	23	P 2	TWD	19	VS2	-0.46	TEC	TEH			21	HOT	600UL
95	143	0.95	128	P 2	TWD	28	VS2	-0.55	TEC	TEH			21	HOT	600UL
96	24	0.51	84	P 2	TWD	21	DCB	+0.00	TEC	TEH			28	HOT	600UL
		0.71	107	P 2	TWD	25	VS4	+0.81	TEC	TEH			28	HOT	600UL
		0.87	50	P 2	TWD	28	08H	-0.95	TEC	TEH			28	HOT	600UL
		0.56	133	P 2	TWD	22	07H	-0.20	TEC	TEH			28	HOT	600UL
96	26	0.73	41	P 2	TWD	26	VS4	+0.10	TEC	TEH			28	HOT	600UL
		0.49	12	P 2	TWD	21	DHT	+0.00	TEC	TEH			28	HOT	600UL
96	34	0.56	123	P 2	TWD	20	VS3	+0.73	TEC	TEH			24	HOT	600UL
		1.48	132	P 2	TWD	33	VS2	-0.77	TEC	TEH			24	HOT	600UL
96	36	0.64	124	P 2	TWD	22	VS2	-0.66	TEC	TEH			24	HOT	600UL
96	66	0.29	50	P 2	TWD	14	VS4	+0.73	TEC	TEH			30	HOT	600UL
96	78	0.82	97	P 2	TWD	33	VS2	-0.80	TEH	TEC			12	COLD	600UL
		0.22	40	P 2	TWD	18	VS3	+0.28	TEH	TEC			12	COLD	600UL
		0.21	141	P 2	TWD	17	VS4	+0.66	TEH	TEC			12	COLD	600UL
		0.13	139	P 2	TWD	12	DCT	-0.24	TEH	TEC	HR		12	COLD	600UL
96	108	0.26	40	P 2	TWD	13	VS4	+0.97	TEC	TEH			36	HOT	600UL
		0.76	114	P 2	TWD	27	VS2	-0.85	TEC	TEH			36	HOT	600UL
96	114	0.68	113	P 2	TWD	26	VS4	+0.72	TEC	TEH			32	HOT	600UL
		0.70	36	P 2	TWD	26	VS3	-0.02	TEC	TEH			32	HOT	600UL
		0.54	31	P 2	TWD	23	VS3	-0.87	TEC	TEH			32	HOT	600UL
		0.62	128	P 2	TWD	25	VS2	+0.68	TEC	TEH			32	HOT	600UL
		1.11	58	P 2	TWD	32	VS2	-0.02	TEC	TEH			32	HOT	600UL
		1.19	115	P 2	TWD	33	VS2	-0.83	TEC	TEH			32	HOT	600UL
96	120	0.33	100	P 2	TWD	16	VS3	+0.86	TEC	TEH			26	HOT	600UL
		0.58	151	P 2	TWD	22	VS3	-0.82	TEC	TEH			26	HOT	600UL
97	27	0.45	55	P 2	TWD	20	VS3	-0.85	TEC	TEH			28	HOT	600UL
97	41	1.04	98	P 2	TWD	29	VS4	+0.84	TEC	TEH			41	HOT	600UL
		0.61	67	P 2	TWD	22	VS3	-0.73	TEC	TEH			41	HOT	600UL
		1.33	92	P 2	TWD	32	VS2	+0.91	TEC	TEH			41	HOT	600UL
97	71	0.72	60	P 2	TWD	25	VS4	+0.97	TEH	TEC			13	COLD	600UL
97	121	0.33	50	P 2	TWD	16	VS2	-0.74	TEC	TEH			26	HOT	600UL
98	62	0.13	88	P 2	TWD	6	VS2	-0.81	TEC	TEH			29	HOT	600UL
98	82	0.42	39	P 2	TWD	20	VS3	+0.88	TEH	TEC			10	COLD	600UL
98	102	0.40	147	P 2	TWD	12	VS4	-0.95	TEC	TEH			35	HOT	600UL
99	27	0.48	147	P 2	TWD	19	08H	-0.17	TEC	TEH			27	HOT	600UL
100	28	1.17	108	P 2	TWD	32	DCT	+0.00	TEC	TEH			28	HOT	600UL
		0.33	128	P 2	TWD	16	02H	+0.90	TEC	TEH			28	HOT	600UL
101	27	0.87	123	P 2	TWD	28	DCT	+0.00	TEC	TEH			28	HOT	600UL
102	60	0.24	21	P 2	TWD	12	VS4	-0.69	TEC	TEH			33	HOT	600UL
102	92	0.22	164	P 2	TWD	11	VS4	-0.46	TEH	TEC			8	COLD	600UL
102	122	0.46	124	P 2	TWD	16	VS1	-0.86	TEC	TEH			25	HOT	600UL
103	75	0.22	126	P 2	TWD	18	VS2	+0.89	TEH	TEC			12	COLD	600UL
103	137	0.36	113	P 2	TWD	15	VS2	+0.76	TEC	TEH	HR		21	HOT	600UL
104	30	0.31	108	P 2	TWD	15	VS3	-1.33	TEC	TEH			28	HOT	600UL
104	134	0.31	103	P 2	TWD	15	VS1	+0.84	TEC	TEH			22	HOT	600UL
106	62	0.27	74	P 2	TWD	12	VS1	+0.11	TEC	TEH			29	HOT	600UL

Framatome ANP Inc. 7/17/2003 8:57:07 AM
Customer Name: St. Lucie Unit 2 Component: S/G B

Tubes with 1-39 %TWD Indications
Current In-Service Tubes

QUERY: QueryM1

ROW	LINE	VOLTS	DEG	CHN	IND	%TW	LOCATION		EXT	EXT	UTIL 1	UTIL 2	CAL #	LEG	PROBE
107	31	0.44	92	P 2	TWD	19	02H	+0.98	TEC	TEH			28	HOT	600UL
		0.38	76	P 2	TWD	17	04C	-0.91	TEC	TEH			28	HOT	600UL
108	32	0.30	144	P 2	TWD	15	02H	-0.84	TEC	TEH			28	HOT	600UL
108	136	0.73	114	P 2	TWD	25	02C	-0.78	TEC	TEH			21	HOT	600UL
111	133	0.37	20	P 2	TWD	15	05C	+0.18	TEC	TEH			21	HOT	600UL
112	118	0.16	66	P 2	TWD	8	VS1	+0.52	TEH	TEC			38	COLD	600UL
113	51	0.36	134	P 2	TWD	16	02H	-0.11	TEC	TEH			37	HOT	600UL
116	38	0.44	36	P 2	TWD	17	VS3	+0.86	TEC	TEH			42	HOT	600UL
116	82	0.24	165	P 2	TWD	11	VS4	-0.81	TEH	TEC			9	COLD	600UL
117	39	0.49	93	P 2	TWD	18	DCT	-0.24	TEC	TEH			42	HOT	600UL
121	43	0.40	166	P 2	TWD	15	DCT	+0.00	TEC	TEH			42	HOT	600UL
121	51	0.20	146	P 2	TWD	10	05H	+0.84	TEC	TEH			37	HOT	600UL
121	119	0.18	162	P 2	TWD	10	VS4	-0.88	TEC	TEH			26	HOT	600UL
122	112	0.27	76	P 2	TWD	14	VS4	-0.83	TEC	TEH			31	HOT	600UL
123	45	0.40	60	P 2	TWD	18	DHT	+0.00	TEC	TEH	HR		38	HOT	600UL
124	46	0.22	19	P 2	TWD	11	DCT	+0.00	TEC	TEH			38	HOT	600UL
125	47	0.48	19	P 2	TWD	20	09C	+0.65	TEC	TEH			38	HOT	600UL
126	48	0.99	11	P 2	TWD	29	DHT	+0.00	TEC	TEH			38	HOT	600UL
		0.24	155	P 2	TWD	12	07H	-1.09	TEC	TEH			38	HOT	600UL
126	112	0.50	21	P 2	TWD	23	VS1	-0.95	TEC	TEH			31	HOT	600UL
127	53	0.15	38	P 2	TWD	8	DCB	-0.06	TEC	TEH			37	HOT	600UL
		0.39	148	P 2	TWD	17	07H	+0.75	TEC	TEH			37	HOT	600UL
128	112	0.55	79	P 2	TWD	23	DCT	-0.10	TEC	TEH			32	HOT	600UL
129	59	0.47	21	P 2	TWD	19	DCT	+0.00	TEC	TEH			34	HOT	600UL
130	58	0.57	22	P 2	TWD	21	DCT	+0.00	TEC	TEH			34	HOT	600UL
131	55	0.29	140	P 2	TWD	15	05H	-1.04	TEH	TEC			31	COLD	600UL
		0.80	105	P 2	TWD	29	DCB	+0.55	TEH	TEC			31	COLD	600UL
131	59	0.87	33	P 2	TWD	25	DCT	+0.00	TEH	TEC			29	COLD	600UL
132	58	0.73	104	P 2	TWD	27	VS1	-0.81	TEH	TEC			31	COLD	600UL
		0.53	106	P 2	TWD	22	DCB	+0.26	TEH	TEC			31	COLD	600UL
132	60	0.62	149	P 2	TWD	20	DCT	+0.00	TEH	TEC			29	COLD	600UL
132	64	0.55	154	P 2	TWD	19	DCT	-0.16	TEH	TEC	HR		29	COLD	600UL
132	80	0.44	149	P 2	TWD	16	VS1	+0.79	TEH	TEC			29	COLD	600UL
132	110	0.36	164	P 2	TWD	14	VS5	+0.88	TEH	TEC			29	COLD	600UL
133	59	0.62	49	P 2	TWD	25	DCB	+0.46	TEH	TEC			31	COLD	600UL
133	61	0.42	22	P 2	TWD	19	DHT	-0.24	TEH	TEC			31	COLD	600UL
133	109	0.27	19	P 2	TWD	11	08H	-1.10	TEH	TEC			29	COLD	600UL
		0.27	135	P 2	TWD	11	08H	+0.77	TEH	TEC			29	COLD	600UL
134	60	0.21	122	P 2	TWD	11	DCT	+0.02	TEH	TEC	HR		31	COLD	600UL
		0.58	101	P 2	TWD	24	DHB	+0.73	TEH	TEC	LAR		31	COLD	600UL
134	68	0.44	92	P 2	TWD	16	DHB	+0.00	TEH	TEC			29	COLD	600UL
135	63	0.59	65	P 2	TWD	24	DHT	+0.02	TEH	TEC			31	COLD	600UL
135	101	1.17	95	P 2	TWD	29	VS1	+0.63	TEH	TEC			29	COLD	600UL
137	67	1.34	109	P 2	TWD	36	DHT	-0.06	TEH	TEC			31	COLD	600UL
137	75	0.25	31	P 2	TWD	13	05H	+0.80	TEH	TEC			31	COLD	600UL
137	99	0.31	158	P 2	TWD	15	VS1	+0.93	TEH	TEC			31	COLD	600UL

Total Tubes : 339
Total Records: 445