



**Northeast
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The Northeast Utilities System

FEB 17 2000

Docket No. 50-423
B17962

Re: 10 CFR 50.36

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

Millstone Nuclear Power Station Unit No. 3
Special Report - Steam Generator Tube Examination

This Special Report is submitted pursuant to the reporting requirements of Technical Specification (TS) 4.4.5.5.b and 6.9.2 within 12 months following the completion of the RFO6 eddy current inspection of the Millstone Unit No. 3 steam generator (S/G) tubes. This Special Report also provides a summary of the post-RFO6 condition monitoring and operational assessments as required by the Millstone Steam Generator Structural Integrity Program and NEI 97-06.

The "end-of-cycle" S/G tube inspection for Cycle 6 was completed on May 17, 1999. A full length bobbin coil inspection was performed on a total of 11,274 tubes (100% of S/Gs 'A' and 'C' plus 42 tubes in S/G 'D') or approximately 50 percent of the total tubes in the four S/Gs. Additionally, extensive testing (6150 examinations) was performed in S/Gs 'A' and 'C' with motorized rotating probe techniques to examine areas where the bobbin test is not qualified. A limited bobbin and rotating probe examination was also conducted in S/G 'D' to support the RFO6 NEI 97-06 operational assessment. The S/G 'D' examination was necessary to address two flaw indications and several possible loose parts which were reported during the 1995 examination. Table 1-1, "Millstone 3 1999 ECT Summary", and Table 1-2, "Tests Performed During RFO6" (Attachment 1), provide a synopsis of the S/G tube inspection. Complete results are presented in Attachments 2 through 4.

In total, eddy current testing identified flaws greater than or equal to the plugging limit in 8 tubes (7 in S/G 'A' and 1 in S/G 'C'). The plugging limit is defined in Technical Specifications as an imperfection depth of 40 percent of the nominal tube wall thickness. All 8 tubes exhibited degradation attributed to Anti-Vibration Bar (AVB)

A001

wear. Additionally, six tubes were removed from service on a discretionary basis. Five of these tubes exhibited AVB flaws greater than 36 percent of the nominal wall thickness. One tube, removed from service, was located in a high flow region and exhibited a single volumetric indication consistent with loose part damage. The plugged tubes are identified on Table 1-3, "Tubes Plugged During RFO6", and were removed from service utilizing ABB Inconel 690 tapered mechanical plugs. Table 1-4, "Total Tubes Plugged to Date" provides historical documentation of all S/G tubes plugged at Millstone Unit No. 3.

During RFO6, the remaining six Westinghouse Inconel 600 mechanical plugs, determined to be susceptible to cracking, were repaired. The repair included the removal and replacement of the mechanical plugs from the S/G 'A' cold leg plenum. The actual locations are identified in Table 1-5 "RFO6 Plug Repairs". All Plugs were replaced with ABB Inconel 690 mechanical plugs.

Results - S/G 'A':

The primary degradation mechanism in S/G 'A' continues to be mechanical wear at the AVB locations. A total of 92 tubes were identified which contain wear indications with a through-wall depth distribution of:

1% to 19% = 27 tubes
20% to 39% = 58 tubes
≥ 40% = 7 tubes

The S/G 'A' inspection results were classified as C-2. The C-2 category resulted from the identification of "one or more tubes, but not more than 1% of the total tubes inspected" as being defective with a growth of greater than 10% throughwall. Since 100 percent of the tubes in S/G 'A' were inspected, no further expansion was required.

Results - S/G 'C':

The primary degradation mechanism in S/G 'C' continues to be mechanical wear at the AVB locations. A total of 22 tubes were identified which contain wear indications with a through-wall depth distribution of:

1% to 19% = 10 tubes
20% to 39% = 11 tubes
≥ 40% = 1 tubes

The S/G 'C' inspection results were classified as C-1.

Utilizing bobbin coil results, an assessment of the growth rates at AVB locations for S/Gs "A" and "C" shows that the degradation mechanism is considered inactive by the criteria provided in the EPRI PWR Steam Generator Examination Guidelines, Rev. 5. A figure and table listing AVB flaws by depth is included in Attachments 2 and 3.

Results - S/G 'D':

The limited inspection in S/G 'D' Steam Generator confirmed the presence of a volumetric flaw in one tube. The flaw was sized at 35% through-wall using an eddy current sizing technique qualified to EPRI PWR Steam Generator Examination Guidelines, Rev. 5, Appendix H. All other indications reported during the RFO5 examination were concluded to be non-flaws. A comparative analysis of the bobbin coil data obtained during RFO5 and RFO6 showed that the previously reported indications had not changed since RFO5 (i.e., 1995). No tubes were repaired in S/G 'D'. The S/G 'D' inspection results were classified as C-1.

Condition Monitoring Assessment Summary:

The condition of the SGs as-determined during RFO6 using NDE techniques qualified to the EPRI PWR Steam Generator Examination Guidelines, Rev. 5, Appendix H, met the three NEI 97-06 performance criteria. All indications of tube degradation identified during the examination were well below the applicable structural integrity limit with required allowances for NDE uncertainty. The examination revealed no evidence of plug degradation or installation deficiencies, and minimal primary to secondary leakage occurred (less than one gallon per day) during fuel cycle six. No through-wall (TW) or near-TW defects were identified and no structural limits were exceeded, therefore negligible potential existed for accident leakage performance criteria to be exceeded during the operating period prior to RFO6.

Operational Assessment Summary:

There is reasonable assurance that operation of the MP3 SGs until their next planned tube examination (RFO8 for SG A & C, RFO7 for SG B & D) will not cause any of the NEI 97-06 performance criteria to be exceeded. The observed anti-vibration bar (AVB) wear growth rate supports the conclusion that no wear exceeding the structural limit, with allowances for NDE uncertainty and NDE probability of detection (POD), will occur prior to the next examination in any of the four SGs. One tube with foreign object related wear was left inservice following the tube examination. No growth in this degradation has occurred over the previous cycle of operation and it is not expected to progress further during future operation. It has been shown that plugged tubes containing AVB wear do not require stabilization prior to the next RFO examination in any of the four

SGs. The absence of secondary side structural degradation and plug deficiencies provides a high level of confidence that tube degradation related to secondary support structures will not occur during these operating periods. Feeding erosion was identified, evaluated and concluded to be acceptable for at least one additional cycle of operation. Therefore, this degradation will not threaten SG tube integrity during the next operating cycle. Additional J-tube inspections will be performed during RFO7. No degradation of other upper internals components was observed during a general area visual examination, therefore degradation of these components to the extent which could threaten tube integrity, is not expected during the next operating period.

There are no commitments contained within this letter.

Should you have any questions regarding this submittal, please contact Mr. David W. Dodson at (860) 447-1791 extension 2346.

Very truly yours,

NORTHEAST NUCLEAR ENERGY COMPANY

FOR: C. J. Schwarz
Station Director

BY:


D. S. McCracken
Assistant Station Director - Safety

cc: H. J. Miller, Region I Administrator
V Nerses, NRC Senior Project Manager, Millstone Unit No. 3
A. C. Cerne, Senior Resident Inspector, Millstone Unit No. 3

RWF:rf RWF/rf

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Attachment 1

Millstone Nuclear Power Station, Unit No. 3

Tables

February 2000

Attachment 1 Tables

	S/G A	S/G B	S/G C	S/G D	TOTAL
Number of Tubes	5626	5626	5626	5626	22504
Number of Tubes Inspected	5612	0	5620	42	11274
Augmented inspections (+Point)	3126	0	3022	2	6150
Tubes with max flaw \geq 40 %	7	0	1	0	8
Tubes with max flaw >20% but <40%	59*	0	11	1	71
Tubes Plugged as a Result of this Inspection	12	0	2	0	14

* One indication due potential loose parts damage.

Table 1-1 Millstone 3 1999 ECT Summary

Test Method	Area Examined	S/G A	S/G B	S/G C	S/G D	Total
	Number of Tubes	5626	5626	5626	5626	22504
Bobbin	Full length	5612	0	5620	42	11274
+Point	HL Tubesheet Expansion Transition Region	2656	0	2767	2	5425
+Point	Tubesheet Anomalies	153	0	45	0	198
+Point	Row 1 &2 U-Bends	122	0	122	0	244
+Point	Dented HL. Supports	64	0	71	0	135
+Point	Diagnose Bobbin Indications	18	0	1	0	19
+Point	Bound HL PLP	93	0	10	0	103
+Point	Bound CL PLP	20	0	0	0	20
+Point	Tubesheet Over-Expansion	0	0	4	0	4
+Point	Tube Plugs	0	0	2	0	2

Table 1-2 Tests Performed During RFO6

ROW	COLUMN	S/G	ROW	COLUMN	S/G
20	6	A	42	62	A
35	54	A	44	71	A
37	59	A	45	62	A
40	49	A	50	54	A
40	78	A	50	60	A
42	57	A	53	86	A
49	78	C	50	94	C

**Table 1-3
 Tubes Plugged During RFO6**

	S/G A	S/G B	S/G C	S/G D	Total
Fabrication	1	2	2	0	5
Preservice	2	1	1	1	5
RFO1	1	0	0	1	2
RFO2	4	-	0	-	4
RFO3	-	0	-	5	5
RFO4	6	-	1	-	7
RFO5	-	1	-	10	11
MID CYCLE	-	-	2	-	2
RFO6	12	-	2	-	14
TOTAL	26	4	8	17	55

**Table 1-4
 Total Tubes Plugged to Date**

S/G	ROW	COLUMN	S/G	ROW	COLUMN
A	1	122	A	48	97
A	25	61	A	50	28
A	29	60	A	50	94

**Table 1-5
 RFO6 Plug Repairs**

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Attachment 2
Millstone Nuclear Power Station, Unit No. 3
Steam Generator A

February 2000

Attachment 2

Steam Generator A

Section	Description
2-1	Bobbin Inspection Plan Full Length (Map) 08H-TEH (Map) 08H-TEC & 08C-TEC (Map)
2-2	AVB Flaws Location (Map) Distribution Table by Depth and Location Depth Histograms (Figure) ECT Report
2-3	Dents HL Straight Section (Map) Dents-at AVB (Map) CL Straight Section (Map) Distribution Table by Location and Voltage Voltage Histogram (Figure)
2-4	Dings HL Straight Section (Map) U-Bend Region (Map) CL Straight Section (Map) Distribution Table by Location and Voltage Voltage Histogram (Figure)
2-5	MRPC HL Tubesheet Expansion (Map) TSH Secondary Side Anomalies (Map) U-Bend MRPC Exams (Map)
2-6	Tube Plugging Tubes Plugged RFO6 (Map) Map of all Tubes Plugged
2-7	ECT Results All indications

Attachment 2-1

Bobbin Inspection Plan

Full Length (Map)
08H-TEH (Map)
08H-TEC & 08C-TEC (Map)

ROW

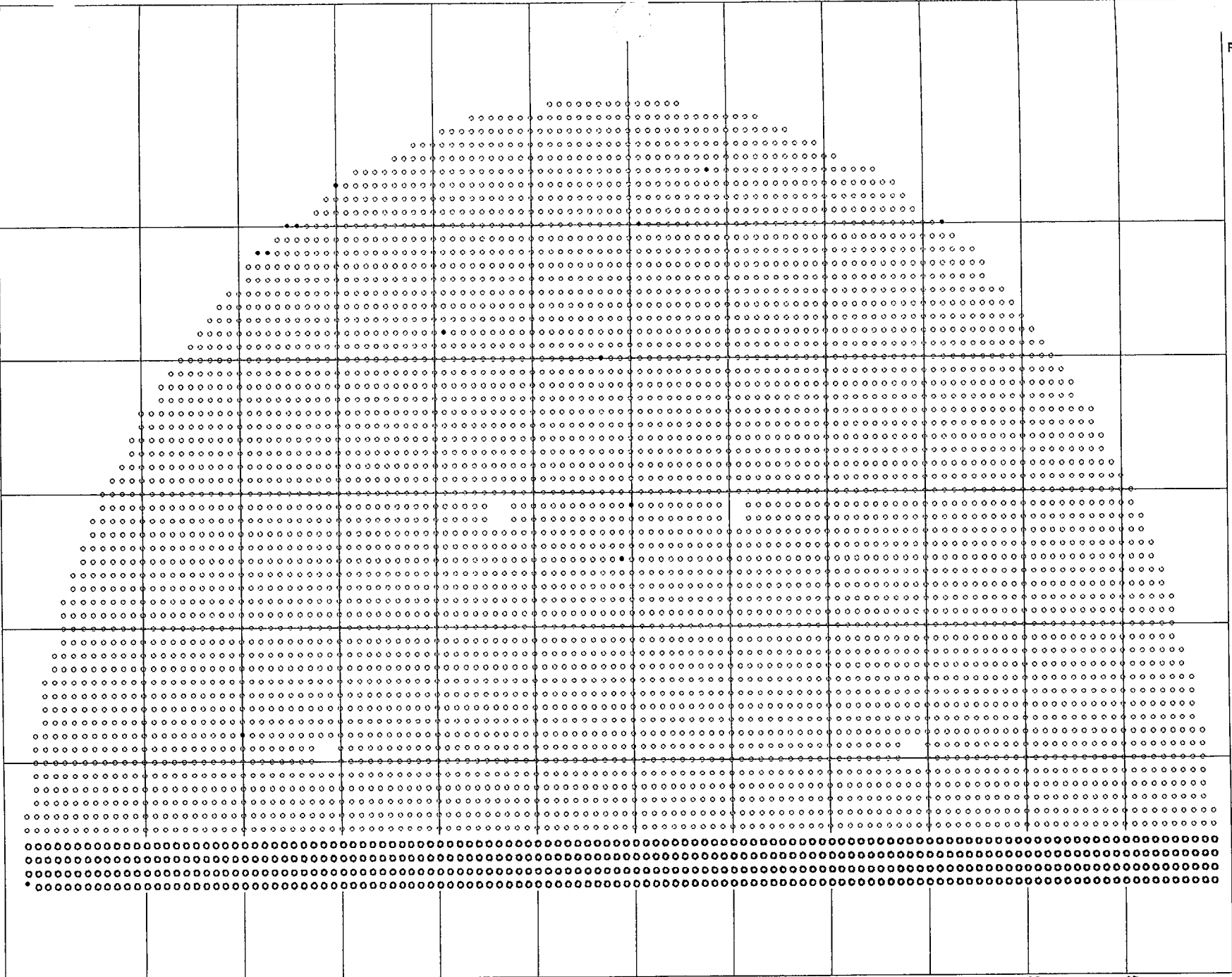
50

40

30

20

10



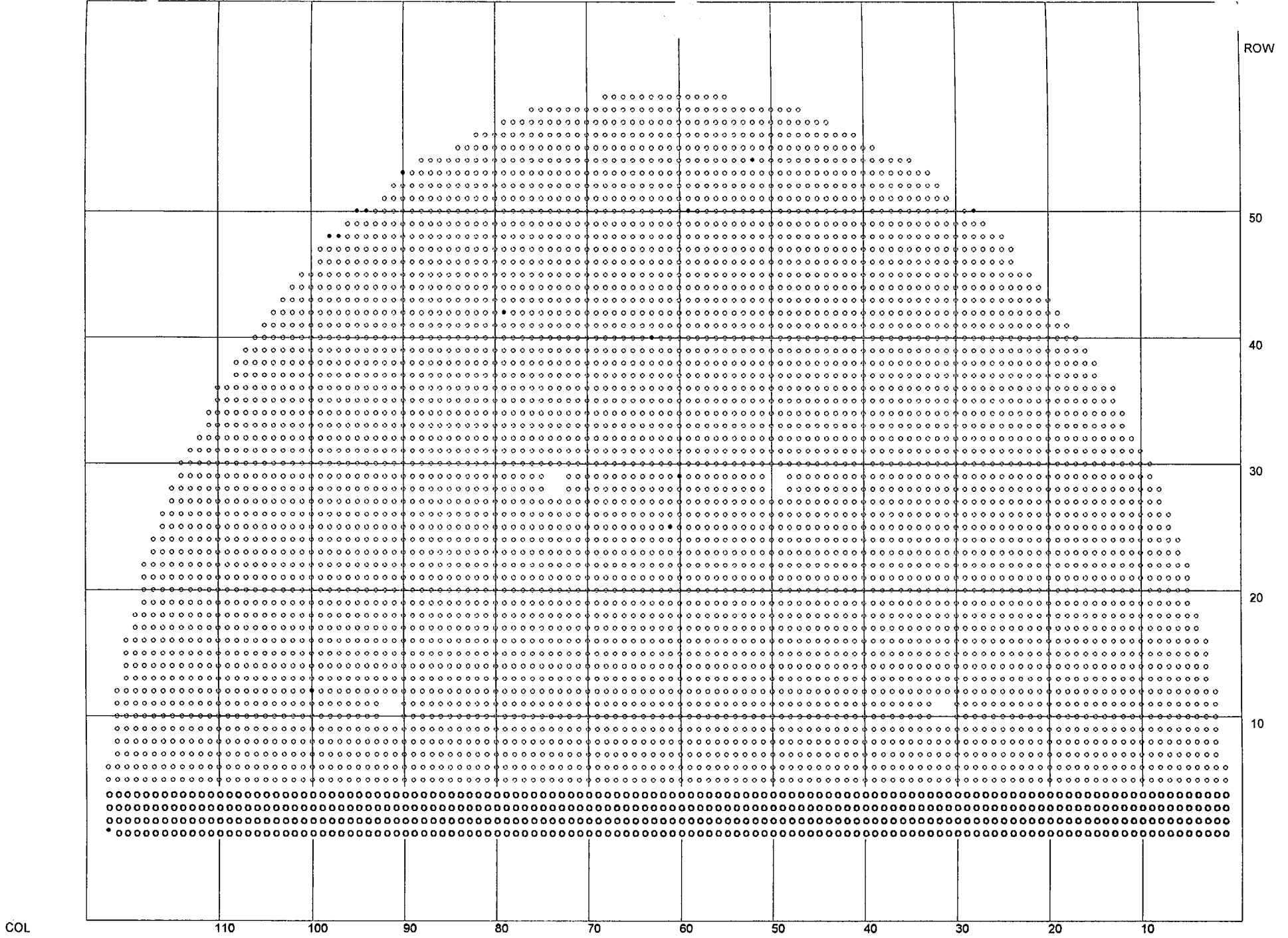
COL

110 100 90 80 70 60 50 40 30 20 10

o: 487 : SGA BOBBIN EXAMS 08H-TEH

NORTHEAST UTILITIES MILLSTONE UNIT 3 STEAM GENERATOR A 05/17/99
ABB CENO

14 Plugged



COL

ROW

50

40

30

20

10

110 100 90 80 70 60 50 40 30 20 10

o : 365 : SGA BOBBIN EXAMS 08H-TEC
 o : 122 : SGA BOBBIN EXAMS 08C-TEC

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/17/99
 ABB CENO

14 Plugged

Attachment 2-2

AVB Flaws

Location (Map)
Distribution Table by Depth and Location
Depth Histograms (Figure)
ECT Report

ROW

50

40

30

20

10

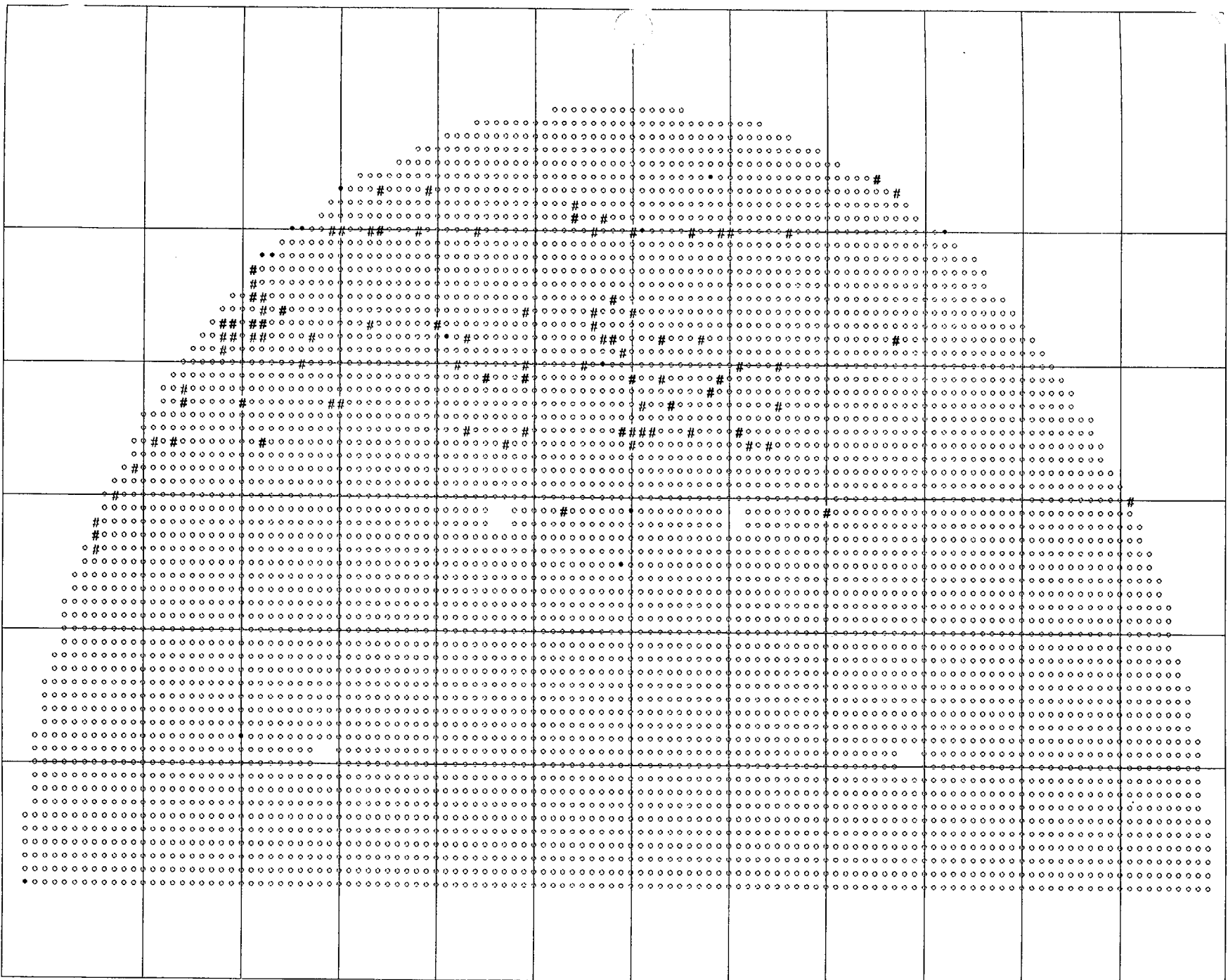
COL

110 100 90 80 70 60 50 40 30 20 10

#: 27 : SGA BOBBIN AVB WEAR 1-19%
 #: 58 : SGA BOBBIN AVB WEAR 20-39%
 #: 7 : SGA BOBBIN AVB WEAR >= 40%

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/17/99
 ABB CENO

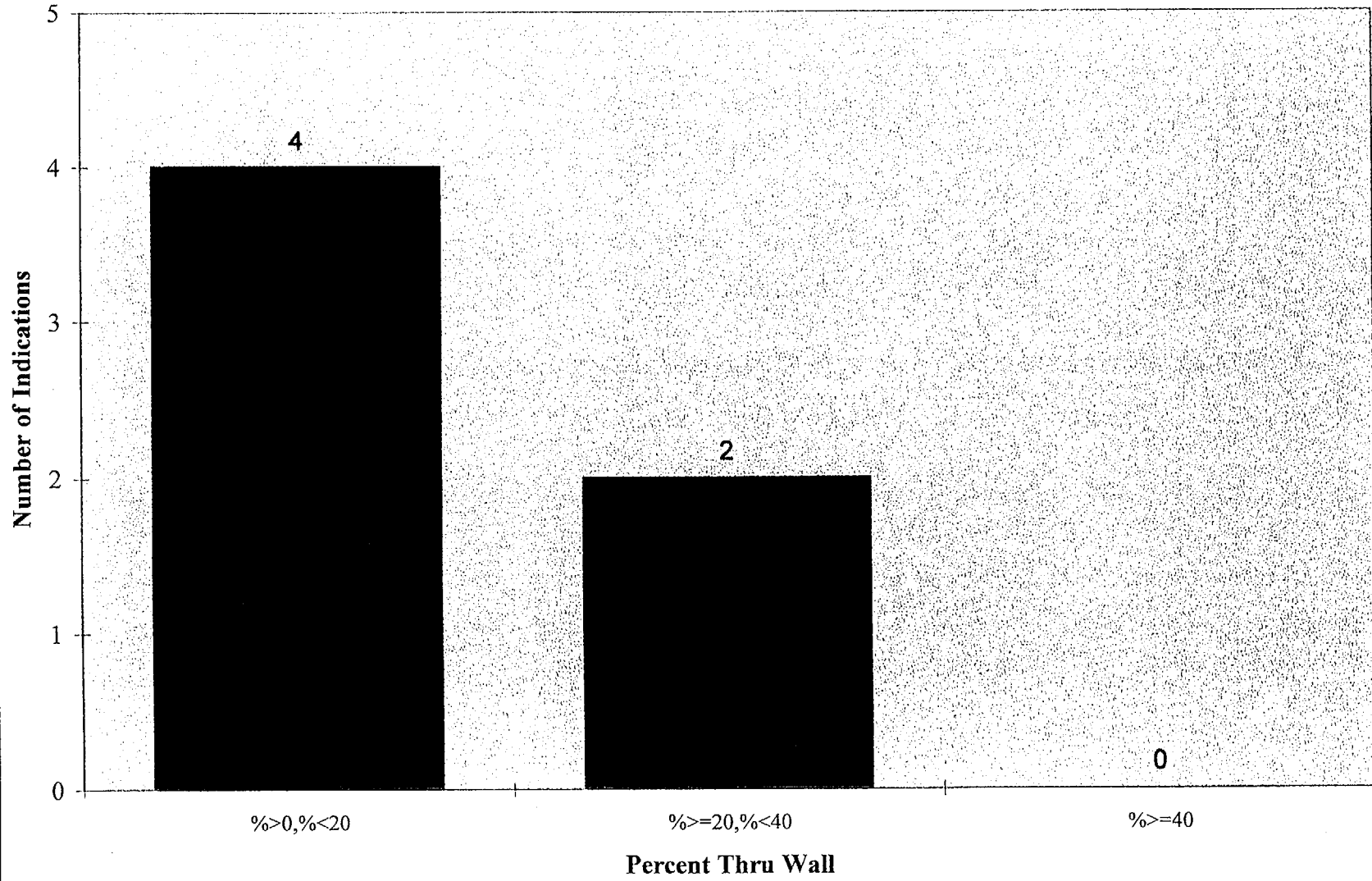
14 Plugged



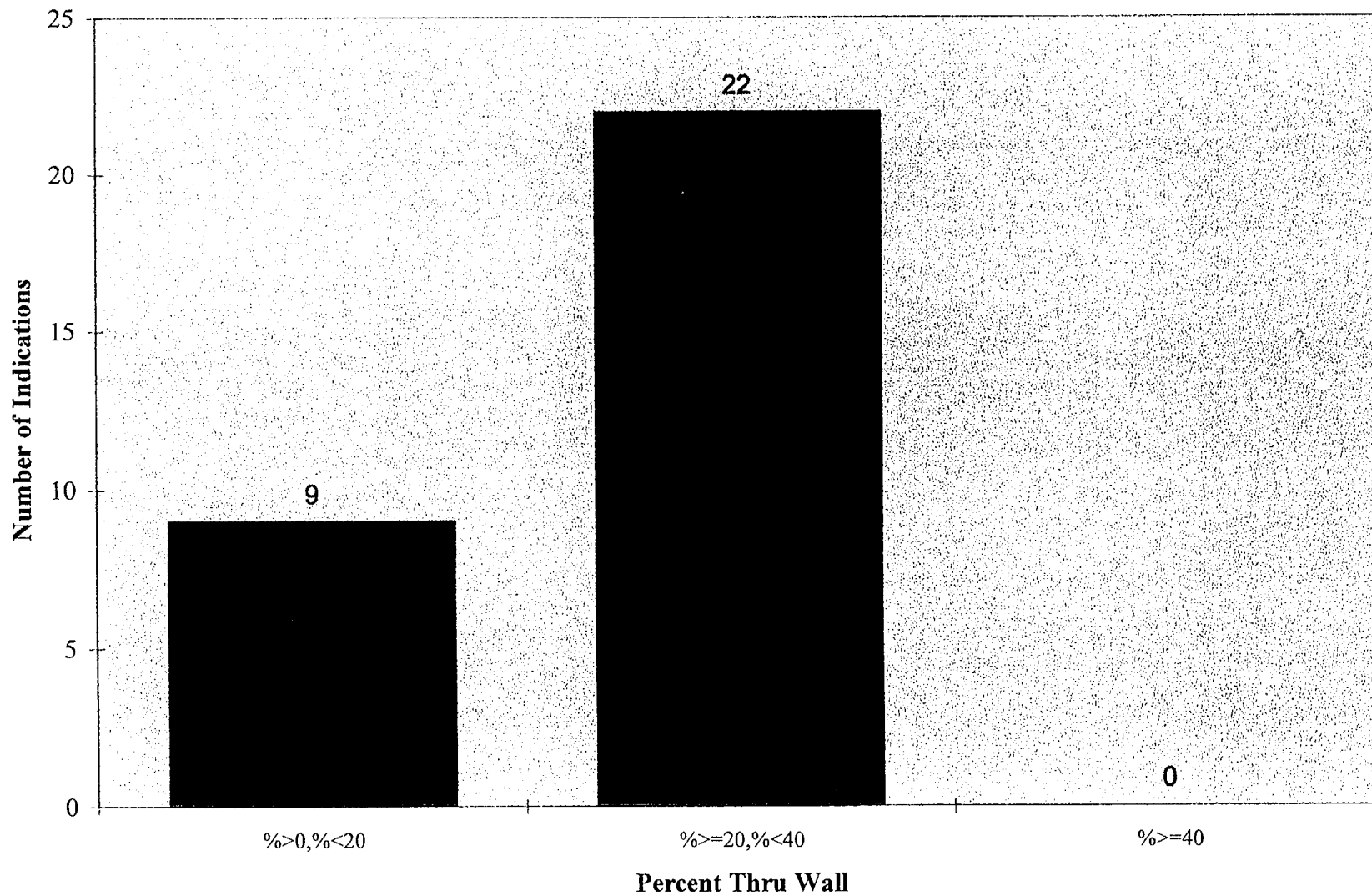
**STEAM GENERATOR A's
TOTAL NUMBER OF PERCENT THRU WALL AT EACH AVB SUPPORT**

Percent Thru Wall	AV1	AV2	AV3	AV4	AV5	AV6	Total Per Percentage Range
1-19%	4	9	15	21	17	6	72
20-39%	2	22	22	32	24	3	105
GE 40%	0	0	3	5	3	0	11
Total Per Support	6	31	40	58	44	9	188

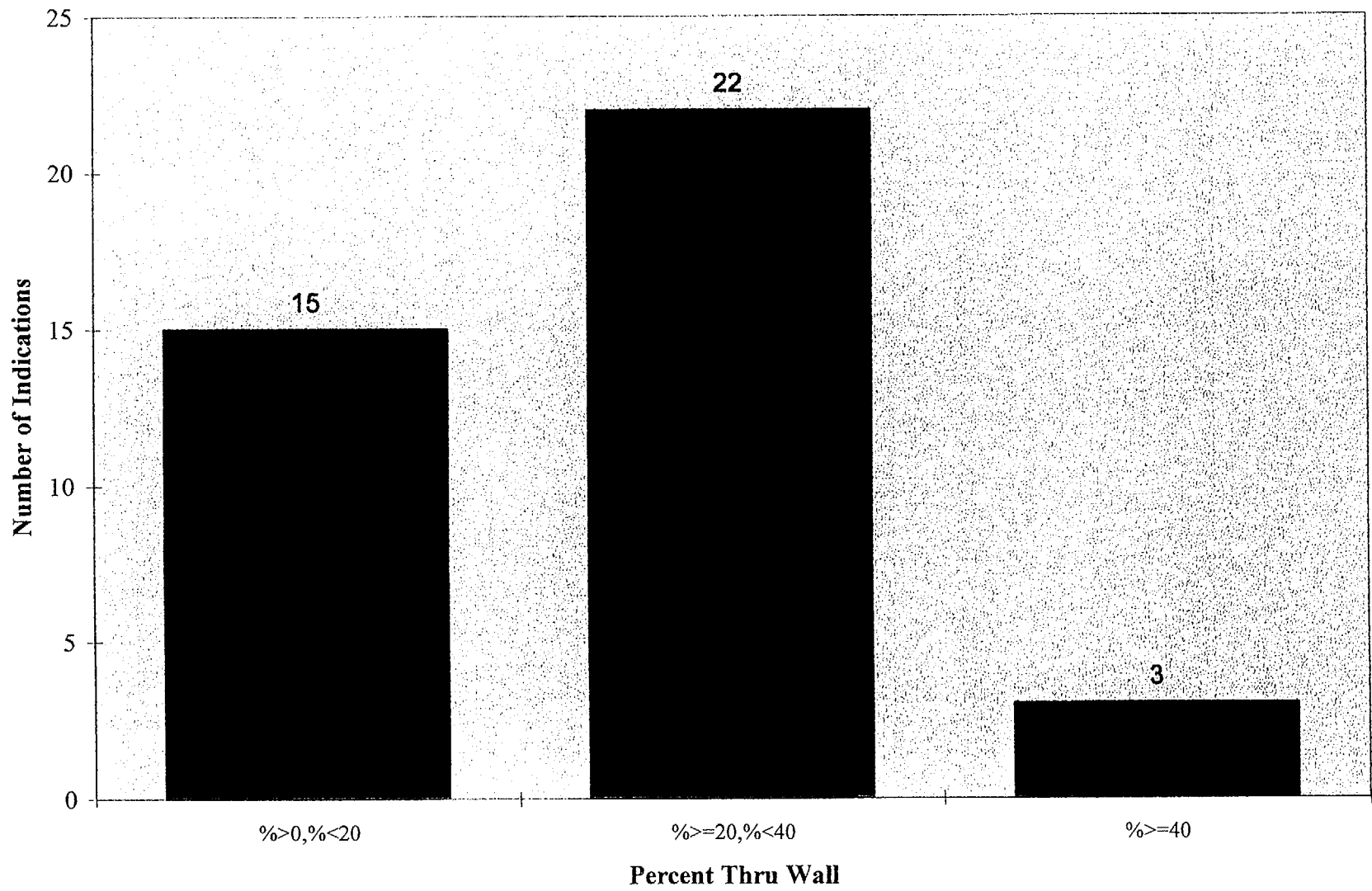
Steam Generator A
Distribution of Percent Thru Wall at Support AV1



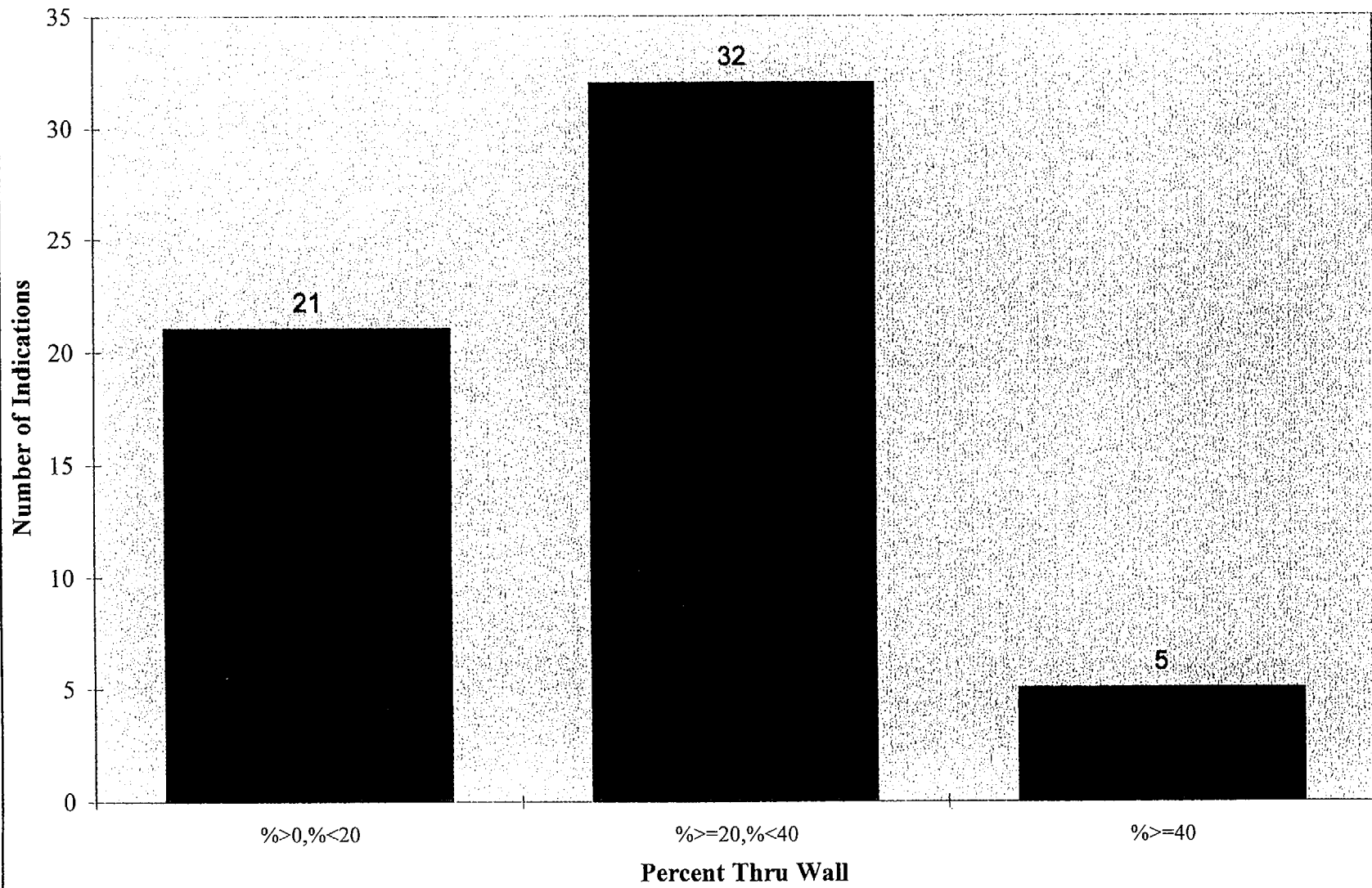
Steam Generator A
Distribution of Percent Thru Wall at Support AV2



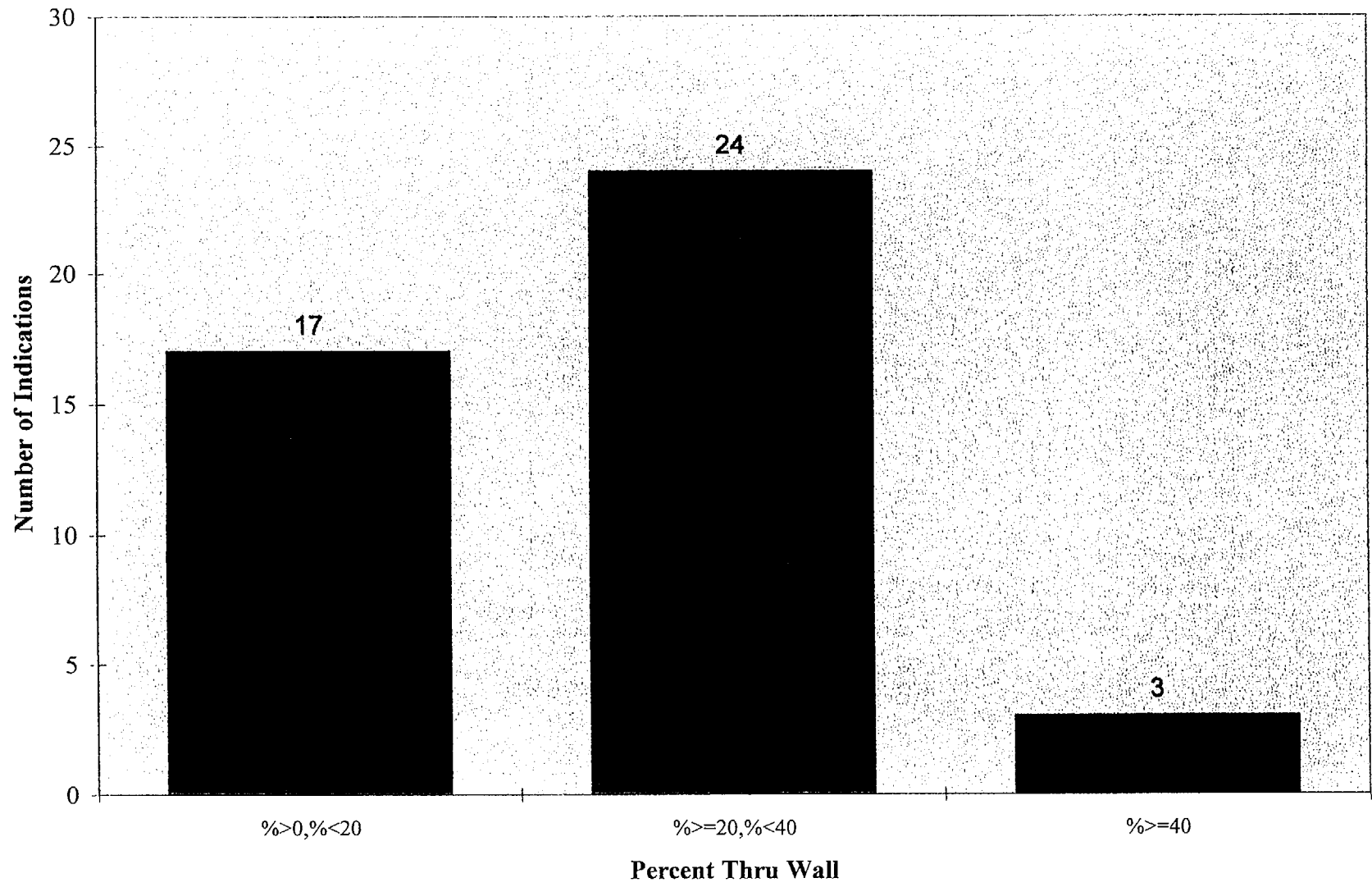
Steam Generator A
Distribution of Percent Thru Wall at Support AV3



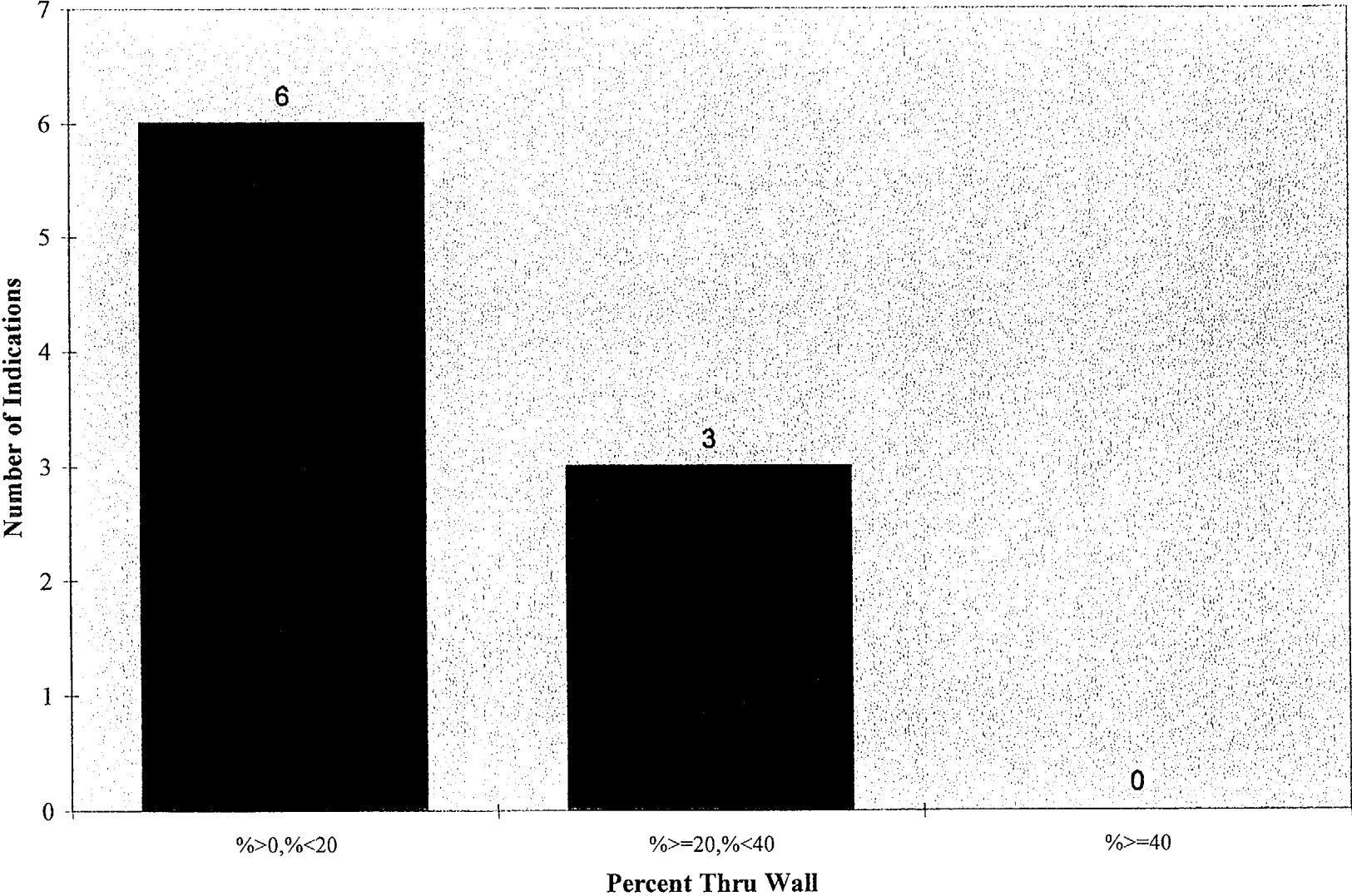
Steam Generator A
Distribution of Percent Thru Wall at Support AV4



Steam Generator A
Distribution of Percent Thru Wall at Support AV5



Steam Generator A
Distribution of Percent Thru Wall at Support AV6



PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
30	9	1.42	P 2	31	AV5	0.00	TEHTEC BOBBIN	SGAC013	560BOB		
		1.42	P 2	31	AV5	0.00	TEHTEC SLUDGE	SGAC013	560BOB		
							TEHTEC BOBBIN	SGAC013	560BOB		
42	33	3.78	178	1	DNG	06H	2.54	TEHTEC BOBBIN	SGAC017	560BOB	
		0.71	P 2	19	AV3	0.05	TEHTEC BOBBIN	SGAC017	560BOB		
							TEHTEC SLUDGE	SGAC017	560BOB		
		0.71	P 2	19	AV3	0.05	TEHTEC BOBBIN	SGAC017	560BOB		
53	33	1.93	P 2	36	AV5	0.00	TEHTEC BOBBIN	SGAC018	560BOB		
		1.93	P 2	36	AV5	0.00	TEHTEC SLUDGE	SGAC018	560BOB		
							TEHTEC BOBBIN	SGAC018	560BOB		
54	35	0.70	P 2	19	AV5	-0.13	TEHTEC BOBBIN	SGAC021	560BOB		
		0.70	P 2	19	AV5	-0.13	TEHTEC SLUDGE	SGAC021	560BOB		
							TEHTEC BOBBIN	SGAC021	560BOB		
29	40	0.45	P 2	15	AV2	0.00	TEHTEC BOBBIN	SGAC045	560BOB		
							TEHTEC SLUDGE	SGAC045	560BOB		
		0.45	P 2	15	AV2	0.00	TSHTSH MRPCTSH	SGAH021	560RPC		
							TEHTEC BOBBIN	SGAC045	560BOB		
50	44	1.20	P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		1.20	P 2	28	AV5	0.00	TEHTEC SLUDGE	SGAC028	560BOB		
							TEHTEC BOBBIN	SGAC028	560BOB		
37	45	1.00	P 2	24	AV2	-0.16	TEHTEC BOBBIN	SGAC029	560BOB		
							TEHTEC SLUDGE	SGAC029	560BOB		
		1.00	P 2	24	AV2	-0.16	TSHTSH MRPCTSH	SGAH035	560RPC		
							TEHTEC BOBBIN	SGAC029	560BOB		
40	45	0.99	P 2	24	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
							TEHTEC SLUDGE	SGAC028	560BOB		
		0.99	P 2	24	AV4	0.00	TSHTSH MRPCTSH	SGAH034	560RPC		
							TEHTEC BOBBIN	SGAC028	560BOB		
34	46	1.19	P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
		1.18	P 2	28	AV6	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
							TEHTEC SLUDGE	SGAC056	560BOB		
		1.19	P 2	28	AV5	0.00	TSHTSH MRPCTSH	SGAH038	560RPC		
		1.18	P 2	28	AV6	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
							TEHTEC BOBBIN	SGAC056	560BOB		
34	48	0.66	P 2	18	AV2	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
		1.25	P 2	29	AV3	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
							TEHTEC SLUDGE	SGAC056	560BOB		
		0.66	P 2	18	AV2	0.00	TSHTSH MRPCTSH	SGAH038	560RPC		
		1.25	P 2	29	AV3	0.00	TEHTEC BOBBIN	SGAC056	560BOB		
							TEHTEC BOBBIN	SGAC056	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
35	49	0.41	P 2	13	AV5	0.00	TEHTEC BOBBIN	SGAC057	560BOB		
		0.41	P 2	13	AV5	0.00	TEHTEC SLUDGE	SGAC057	560BOB		
							TEHTEC BOBBIN	SGAC057	560BOB		
40	49	0.97	P 2	24	AV2	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		1.77	P 2	35	AV3	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		2.93	P 2	44	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB	LR	
		1.84	P 2	35	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOB	LR	
		0.73	P 2	19	AV6	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		2.41	P 2	PID	AV4	0.00	TEHTEC SLUDGE	SGAC028	560BOB		
		0.97	P 2	24	AV2	0.00	TEHTEC BOBBIN	SGAC079	560BOB		
		1.77	P 2	35	AV3	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		2.93	P 2	44	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB	LR	
		1.84	P 2	35	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOB	LR	
		0.73	P 2	19	AV6	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
50	50	0.80	P 2	21	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		0.80	P 2	21	AV4	0.00	TEHTEC SLUDGE	SGAC028	560BOB		
							TEHTEC BOBBIN	SGAC028	560BOB		
39	51	0.48	P 2	14	AV3	-0.29	TEHTEC BOBBIN	SGAC029	560BOB		
		0.48	P 2	14	AV3	-0.29	TEHTEC SLUDGE	SGAC029	560BOB		
							TEHTEC BOBBIN	SGAC029	560BOB		
50	51	0.82	P 2	21	AV3	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		1.68	P 2	34	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		0.61	P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		0.82	P 2	21	AV3	0.00	TEHTEC SLUDGE	SGAC028	560BOB		
		1.68	P 2	34	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
		0.61	P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOB		
38	52	0.56	P 2	17	AV2	0.23	TEHTEC BOBBIN	SGAC030	560BOB		
		0.56	P 2	17	AV2	0.23	TEHTEC SLUDGE	SGAC030	560BOB		
							TEHTEC BOBBIN	SGAC030	560BOB		
42	53	0.78	P 2	22	AV4	-0.15	TEHTEC BOBBIN	SGAC030	560BOB		
		0.78	P 2	22	AV4	-0.15	TEHTEC SLUDGE	SGAC030	560BOB		
							TSHTSH MRPCTSH	SGAH036	560RPC		
							TEHTEC BOBBIN	SGAC030	560BOB		
35	54	0.39	P 2	12	AV2	0.00	TEHTEC BOBBIN	SGAC055	560BOB		
		1.19	P 2	28	AV3	-0.08	TEHTEC BOBBIN	SGAC055	560BOB		
		2.06	P 2	37	AV4	-0.18	TEHTEC BOBBIN	SGAC055	560BOB		
		1.19	P 2	28	AV5	-0.08	TEHTEC BOBBIN	SGAC055	560BOB		
							TEHTEC SLUDGE	SGAC055	560BOB		
							TSHTSH MRPCTSH	SGAH039	560RPC		
		0.39	P 2	12	AV2	0.00	TEHTEC BOBBIN	SGAC055	560BOB		
		1.19	P 2	28	AV3	-0.08	TEHTEC BOBBIN	SGAC055	560BOB		
		2.06	P 2	37	AV4	-0.18	TEHTEC BOBBIN	SGAC055	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
	1.19		P 2	28	AV5 -0.08	TEHTEC	BOBBIN	SGAC055	560BOB		
50 54	1.94		P 2	38	AV2 0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
	1.72		P 2	36	AV3 0.33	TEHTEC	BOBBIN	SGAC030	560BOB		
	3.78		P 2	48	AV4 0.08	TEHTEC	BOBBIN	SGAC030	560BOB		LR
	1.60		P 2	34	AV5 -0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
			1	INF	TSC 3.18	TEHTEC	BOBBIN	SGAC030	560BOB		
	4.29		P 2	PID	AV4 0.08	TEHTEC	BOBBIN	SGAC079	560BOB		
						TSHTSH	MRPCTSH	SGAH036	560RPC		
	1.94		P 2	38	AV2 0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
	1.72		P 2	36	AV3 0.33	TEHTEC	BOBBIN	SGAC030	560BOB		
	3.78		P 2	48	AV4 0.08	TEHTEC	BOBBIN	SGAC030	560BOB		LR
	1.60		P 2	34	AV5 -0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
37 56	0.64	89	3	NQH	03H 28.21	TEHTEC	BOBBIN	SGAC031	560BOB		
	0.52	89	3	NQH	03H 37.77	TEHTEC	BOBBIN	SGAC031	560BOB		
	1.03	133	1	NQH	08H 4.71	TEHTEC	BOBBIN	SGAC031	560BOB		
	0.43		P 2	14	AV3 0.10	TEHTEC	BOBBIN	SGAC031	560BOB		
	0.58		P 2	17	AV4 0.13	TEHTEC	BOBBIN	SGAC031	560BOB		
	0.65	114	3	INR	07C 16.05	TEHTEC	BOBBIN	SGAC031	560BOB		
						TEHTEC	SLUDGE	SGAC031	560BOB		
	0.43		P 2	14	AV3 0.10	TSHTSH	MRPCTSH	SGAH037	560RPC		
	0.58		P 2	17	AV4 0.13	TEHTEC	BOBBIN	SGAC031	560BOB		
39 57	0.99		P 2	25	AV2 -0.16	TEHTEC	BOBBIN	SGAC031	560BOB		
						TEHTEC	SLUDGE	SGAC031	560BOB		
	0.99		P 2	25	AV2 -0.16	TSHTSH	PLPE1	SGAH066	560RPC		
						TEHTEC	BOBBIN	SGAC031	560BOB		
42 57	0.55		P 2	17	AV1 0.03	TEHTEC	BOBBIN	SGAC030	560BOB		
	0.82		P 2	23	AV3 -0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
	1.73		P 2	36	AV4 0.00	TEHTEC	BOBBIN	SGAC030	560BOB		
	2.51		P 2	42	AV5 0.00	TEHTEC	BOBBIN	SGAC030	560BOB		LR
						TEHTEC	SLUDGE	SGAC030	560BOB		
	2.38		P 2	PID	AV5 0.00	TEHTEC	BOBBIN	SGAC079	560BOB		
	0.55		P 2	17	AV1 0.03	TEHTEC	BOBBIN	SGAC030	560BOB		
	0.82		P 2	23	AV3 -0.05	TEHTEC	BOBBIN	SGAC030	560BOB		
	1.73		P 2	36	AV4 0.00	TEHTEC	BOBBIN	SGAC030	560BOB		
	2.51		P 2	42	AV5 0.00	TEHTEC	BOBBIN	SGAC030	560BOB		LR
35 58	0.72		P 2	20	AV2 0.03	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.56		P 2	33	AV3 0.16	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.28		P 2	30	AV4 0.26	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.39		P 2	31	AV5 0.31	TEHTEC	BOBBIN	SGAC055	560BOB		
	0.67		P 2	19	AV6 0.00	TEHTEC	BOBBIN	SGAC055	560BOB		
						TEHTEC	SLUDGE	SGAC055	560BOB		
	0.72		P 2	20	AV2 0.03	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.56		P 2	33	AV3 0.16	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.28		P 2	30	AV4 0.26	TEHTEC	BOBBIN	SGAC055	560BOB		
	1.39		P 2	31	AV5 0.31	TEHTEC	BOBBIN	SGAC055	560BOB		
	0.67		P 2	19	AV6 0.00	TEHTEC	BOBBIN	SGAC055	560BOB		
35 59	0.99		P 2	25	AV2 0.05	TEHTEC	BOBBIN	SGAC055	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
	0.61		P 2	18	AV6	0.18	TEHTEC BOBBIN	SGAC055	560BOB		
	0.99		P 2	25	AV2	0.05	TEHTEC SLUDGE	SGAC055	560BOB		
	0.61		P 2	18	AV6	0.18	TEHTEC BOBBIN	SGAC055	560BOB		
37	59										
	0.76		P 2	21	AV3	0.24	TEHTEC BOBBIN	SGAC031	560BOB		
	2.06		P 2	37	AV4	0.24	TEHTEC BOBBIN	SGAC031	560BOB		
	1.11		P 2	27	AV5	-0.08	TEHTEC BOBBIN	SGAC031	560BOB		
	0.76		P 2	21	AV3	0.24	TEHTEC SLUDGE	SGAC031	560BOB		
	2.06		P 2	37	AV4	0.24	TEHTEC BOBBIN	SGAC031	560BOB		
	1.11		P 2	27	AV5	-0.08	TEHTEC BOBBIN	SGAC031	560BOB		
34	60										
	0.71		P 2	19	AV3	0.00	TEHTEC BOBBIN	SGAC054	560BOB		
	1.21		P 2	28	AV4	-0.05	TEHTEC BOBBIN	SGAC054	560BOB		
	0.50		P 2	15	AV5	-0.13	TEHTEC BOBBIN	SGAC054	560BOB		
	0.71		P 2	19	AV3	0.00	TEHTEC SLUDGE	SGAC054	560BOB		
	1.21		P 2	28	AV4	-0.05	TEHTEC BOBBIN	SGAC054	560BOB		
	0.50		P 2	15	AV5	-0.13	TEHTEC BOBBIN	SGAC054	560BOB		
35	60										
	0.74		P 2	21	AV4	-0.10	TEHTEC BOBBIN	SGAC055	560BOB		
	0.35		P 2	11	AV5	0.03	TEHTEC BOBBIN	SGAC055	560BOB		
	0.74		P 2	21	AV4	-0.10	TEHTEC SLUDGE	SGAC055	560BOB		
	0.35		P 2	11	AV5	0.03	TEHTEC BOBBIN	SGAC055	560BOB		
39	60										
	0.67		P 2	19	AV4	0.10	TEHTEC BOBBIN	SGAC031	560BOB		
	0.67		P 2	19	AV4	0.10	TEHTEC SLUDGE	SGAC031	560BOB		
	0.67		P 2	19	AV4	0.10	TEHTEC BOBBIN	SGAC031	560BOB		
44	60										
	1.57		P 2	34	AV2	0.00	TEHTEC BOBBIN	SGAC030	560BOB		LR
	0.87		P 2	24	AV3	-0.03	TEHTEC BOBBIN	SGAC030	560BOB		
	0.83		P 2	23	AV4	0.15	TEHTEC BOBBIN	SGAC030	560BOB		
	1.57		P 2	34	AV2	0.00	TEHTEC SLUDGE	SGAC030	560BOB		
	0.87		P 2	24	AV3	-0.03	TEHTEC BOBBIN	SGAC030	560BOB		LR
	0.83		P 2	23	AV4	0.15	TEHTEC BOBBIN	SGAC030	560BOB		
50	60										
	0.76	90	3	NQH	07H	26.42	TEHTEC BOBBIN	SGAC030	560BOB		
	2.23	166	P 1	INR	08H	-0.50	TEHTEC BOBBIN	SGAC030	560BOB		
	1.38		P 2	32	AV2	0.18	TEHTEC BOBBIN	SGAC030	560BOB		
	2.89		P 2	44	AV3	0.25	TEHTEC BOBBIN	SGAC030	560BOB		LR
	4.66		P 3	51	AV4	-0.10	TEHTEC BOBBIN	SGAC030	560BOB		LR
	2.84		P 2	44	AV5	-0.20	TEHTEC BOBBIN	SGAC030	560BOB		LR
	2.15	169	P 1	INR	AV6	0.89	TEHTEC BOBBIN	SGAC030	560BOB		
	2.15	169	P 1	INR	08C	0.89	TEHTEC BOBBIN	SGAC030	560BOB		LR
	2.79		P 2	PID	AV3	0.25	TEHTEC SLUDGE	SGAC030	560BOB		
	4.25		P 2	PID	AV4	-0.10	TEHTEC BOBBIN	SGAC079	560BOB		
	2.59		P 2	PID	AV5	-0.20	TEHTEC BOBBIN	SGAC079	560BOB		
			3	NDF	08H	-0.50	TEHTEC BOBBIN	SGAC079	560BOB		
	1.38		P 2	32	AV2	0.18	08H08H MRPCDENT	SGAH058	560RPC		
	2.89		P 2	44	AV3	0.25	TEHTEC BOBBIN	SGAC030	560BOB		LR

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
	4.66		P 3	51	AV4	-0.10	TEHTEC BOBBIN	SGAC030	560BOB	LR	
	2.84		P 2	44	AV5	-0.20	TEHTEC BOBBIN	SGAC030	560BOB	LR	
35 61	0.35		P 2	11	AV4	0.18	TEHTEC BOBBIN TEHTEC SLUDGE	SGAC055	560BOB		
	0.35		P 2	11	AV4	0.18	TSHTSH MRPCTSH TEHTEC BOBBIN	SGAH039	560RPC		
41 61	0.62		P 2	18	AV3	-0.03	TEHTEC BOBBIN	SGAC031	560BOB		
	0.97		P 2	25	AV4	-0.08	TEHTEC BOBBIN TEHTEC SLUDGE	SGAC031	560BOB		
	0.62		P 2	18	AV3	-0.03	TSHTSH MRPCTSH TEHTEC BOBBIN	SGAH037	560RPC		
	0.97		P 2	25	AV4	-0.08	TEHTEC BOBBIN	SGAC031	560BOB		
42 62	1.91		P 2	37	AV2	0.00	TEHTEC BOBBIN	SGAC032	560BOB		
	2.79		P 2	43	AV3	0.00	TEHTEC BOBBIN	SGAC032	560BOB	LR	
	4.07		P 2	49	AV4	0.00	TEHTEC BOBBIN	SGAC032	560BOB	LR	
	3.33		P 2	46	AV5	0.00	TEHTEC BOBBIN TEHTEC SLUDGE	SGAC032	560BOB	LR	
	3.16		P 2	PID	AV3	0.00	TEHTEC BOBBIN	SGAC079	560BOB		
	4.75		P 2	PID	AV4	0.00	TEHTEC BOBBIN	SGAC079	560BOB		
	3.92		P 2	PID	AV5	0.00	TEHTEC BOBBIN TSHTSH MRPCTSH	SGAC079	560BOB		
	1.91		P 2	37	AV2	0.00	TEHTEC BOBBIN	SGAH040	560RPC		
	2.79		P 2	43	AV3	0.00	TEHTEC BOBBIN	SGAC032	560BOB	LR	
	4.07		P 2	49	AV4	0.00	TEHTEC BOBBIN	SGAC032	560BOB	LR	
	3.33		P 2	46	AV5	0.00	TEHTEC BOBBIN	SGAC032	560BOB	LR	
45 62	0.62		P 2	17	AV1	0.10	TEHTEC BOBBIN	SGAC033	560BOB		
	1.18		P 2	27	AV2	-0.16	TEHTEC BOBBIN	SGAC033	560BOB		
	1.53		P 2	31	AV3	0.16	TEHTEC BOBBIN	SGAC033	560BOB		
	2.53		P 2	40	AV4	0.00	TEHTEC BOBBIN	SGAC033	560BOB	LR	
	1.63		P 2	32	AV5	0.00	TEHTEC BOBBIN	SGAC033	560BOB	LR	
	1.74		P 2	33	AV6	-0.26	TEHTEC BOBBIN	SGAC033	560BOB		
	0.38	129	3	INR	04C	36.23	TEHTEC BOBBIN TEHTEC SLUDGE	SGAC033	560BOB		
	2.36		P 2	PID	AV4	0.00	TEHTEC BOBBIN TSHTSH MRPCTSH	SGAC079	560BOB		
	0.62		P 2	17	AV1	0.10	TEHTEC BOBBIN	SGAH041	560RPC		
	1.18		P 2	27	AV2	-0.16	TEHTEC BOBBIN	SGAC033	560BOB		
	1.53		P 2	31	AV3	0.16	TEHTEC BOBBIN	SGAC033	560BOB		
	2.53		P 2	40	AV4	0.00	TEHTEC BOBBIN	SGAC033	560BOB	LR	
	1.63		P 2	32	AV5	0.00	TEHTEC BOBBIN	SGAC033	560BOB	LR	
	1.74		P 2	33	AV6	-0.26	TEHTEC BOBBIN	SGAC033	560BOB		
42 63	0.73		P 2	20	AV3	0.00	TEHTEC BOBBIN	SGAC032	560BOB		
	0.41		P 2	13	AV4	0.00	TEHTEC BOBBIN TEHTEC SLUDGE	SGAC032	560BOB		
	0.73		P 2	20	AV3	0.00	TSHTSH MRPCTSH TEHTEC BOBBIN	SGAH040	560RPC		
	0.41		P 2	13	AV4	0.00	TEHTEC BOBBIN	SGAC032	560BOB		
51 63	2.01		P 2	36	AV2	0.24	TEHTEC BOBBIN	SGAC033	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
	0.60		P 2	16	AV3	0.03	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.89		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC033	560BOB	LR
							TEHTEC	SLUDGE	SGAC033	560BOB	
							TSHTSH	MRPCTSH	SGAH041	560RPC	
	2.01		P 2	36	AV2	0.24	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.60		P 2	16	AV3	0.03	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.89		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC033	560BOB	LR
43 64											
	0.54		P 2	15	AV3	-0.10	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.49		P 2	14	AV4	0.16	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.77		P 2	20	AV5	0.29	TEHTEC	BOBBIN	SGAC033	560BOB	
							TEHTEC	SLUDGE	SGAC033	560BOB	
							TSHTSH	MRPCTSH	SGAH041	560RPC	
	0.54		P 2	15	AV3	-0.10	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.49		P 2	14	AV4	0.16	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.77		P 2	20	AV5	0.29	TEHTEC	BOBBIN	SGAC033	560BOB	
44 64											
	0.93		P 2	24	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
							TEHTEC	SLUDGE	SGAC032	560BOB	
							TSHTSH	MRPCTSH	SGAH040	560RPC	
	0.93		P 2	24	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
50 64											
	1.13		P 2	27	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.75		P 2	21	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.72		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	1.70		P 2	35	AV5	-0.03	TEHTEC	BOBBIN	SGAC032	560BOB	
							TEHTEC	SLUDGE	SGAC032	560BOB	
							TSHTSH	MRPCTSH	SGAH040	560RPC	
	1.13		P 2	27	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.75		P 2	21	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.72		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	1.70		P 2	35	AV5	-0.03	TEHTEC	BOBBIN	SGAC032	560BOB	
40 65											
	0.57		P 2	17	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	1.85		P 2	36	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.72		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
							TEHTEC	SLUDGE	SGAC032	560BOB	
	0.57		P 2	17	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	1.85		P 2	36	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
	0.72		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
51 66											
	0.47		P 2	13	AV3	0.16	TEHTEC	BOBBIN	SGAC033	560BOB	
	0.40	100	3	NQH	05C	33.09	TEHTEC	BOBBIN	SGAC033	560BOB	
							TEHTEC	SLUDGE	SGAC033	560BOB	
							TEHTSH	MRPCTSH	SGAH040	560RPC	
	0.47		P 2	13	AV3	0.16	TEHTEC	BOBBIN	SGAC033	560BOB	
52 66											
	0.83		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
							TEHTEC	SLUDGE	SGAC032	560BOB	
	0.83		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB	
29 67											
	0.60	73	3	NQH	02H	30.37	TEHTEC	BOBBIN	SGAC025	560BOB	
	0.62		P 2	18	AV2	-0.16	TEHTEC	BOBBIN	SGAC025	560BOB	

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
35	71		P 2	18	AV2	-0.16	TEHTEC	SLUDGE	SGAC025	560BOB	
							TEHTEC	BOBBIN	SGAC025	560BOB	
39	71	123	P 2	3	INR	02H	27.96	TEHTEC	BOBBIN	SGAC025	560BOB
								TEHTEC	BOBBIN	SGAC025	560BOB
			P 2	24	AV4	0.00	TEHTEC	SLUDGE	SGAC025	560BOB	
							TSHTSH	MRPCTSH	SGAH037	560RPC	
TEHTEC	BOBBIN	SGAC025	560BOB								
40	71		P 2	11	AV4	0.31	TEHTEC	BOBBIN	SGAC035	560BOB	
							TEHTEC	BOBBIN	SGAC035	560BOB	
			P 2	17	AV5	0.00	TEHTEC	SLUDGE	SGAC035	560BOB	
							TSHTSH	MRPCTSH	SGAH043	560RPC	
			P 2	11	AV4	0.31	TEHTEC	BOBBIN	SGAC035	560BOB	
							TEHTEC	BOBBIN	SGAC035	560BOB	
44	71		P 2	23	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
							TEHTEC	SLUDGE	SGAC034	560BOB	
			P 2	23	AV4	0.00	TEHTSH	MRPCTSH	SGAH042	560RPC	
							TEHTEC	BOBBIN	SGAC034	560BOB	
34	73		P 2	37	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
							TEHTEC	SLUDGE	SGAC034	560BOB	
			P 2	37	AV5	0.00	TSHTSH	MRPCTSH	SGAH042	560RPC	
							TEHTEC	BOBBIN	SGAC034	560BOB	
			P 2	24	AV4	0.18	TEHTEC	BOBBIN	SGAC026	560BOB	
							TEHTEC	BOBBIN	SGAC026	560BOB	
P 2	31	AV5	-0.20	TEHTEC	SLUDGE	SGAC026	560BOB				
				TEHTEC	BOBBIN	SGAC026	560BOB				
39	75		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB	
							TEHTEC	SLUDGE	SGAC035	560BOB	
			P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB	
							TEHTEC	BOBBIN	SGAC035	560BOB	
50	76		P 2	22	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
							TEHTEC	BOBBIN	SGAC034	560BOB	
			P 2	19	AV3	0.00	TEHTEC	SLUDGE	SGAC034	560BOB	
							TEHTEC	BOBBIN	SGAC034	560BOB	
			P 2	22	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
							TEHTEC	BOBBIN	SGAC034	560BOB	
P 2	19	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOB				
				TEHTEC	BOBBIN	SGAC034	560BOB				
35	77		P 2	13	AV2	-0.03	TEHTEC	BOBBIN	SGAC027	560BOB	
							TEHTEC	BOBBIN	SGAC027	560BOB	
			P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC027	560BOB	
							TEHTEC	BOBBIN	SGAC027	560BOB	
			P 2	14	AV4	0.00	TEHTEC	SLUDGE	SGAC027	560BOB	
							TSHTSH	MRPCTSH	SGAH037	560RPC	
			P 2	13	AV2	-0.03	TEHTEC	BOBBIN	SGAC027	560BOB	
							TEHTEC	BOBBIN	SGAC027	560BOB	
			P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC027	560BOB	
							TEHTEC	BOBBIN	SGAC027	560BOB	
			P 2	14	AV4	0.00	TEHTEC	BOBBIN	SGAC027	560BOB	
							TEHTEC	BOBBIN	SGAC027	560BOB	
42	77		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
							TEHTEC	BOBBIN	SGAC034	560BOB	

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
						TEHTEC	SLUDGE	SGAC034	560BOB		
						TSHTSH	MRPCTSH	SGAH042	560RPC		
						TEHTEC	BOBBIN	SGAC034	560BOB		
	0.84		P 2	24	AV4	0.00					
40	78										
	1.78		P 2	36	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	1.80		P 2	37	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	1.00		P 2	27	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	0.69		P 2	21	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	0.93		P 2	26	AV6	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
						TEHTEC	SLUDGE	SGAC034	560BOB		
						TSHTSH	MRPCTSH	SGAH042	560RPC		
	1.78		P 2	36	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	1.80		P 2	37	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	1.00		P 2	27	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	0.69		P 2	21	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
	0.93		P 2	26	AV6	0.00	TEHTEC	BOBBIN	SGAC034	560BOB	
43	80										
	0.59		P 2	17	AV3	-0.05	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.53		P 2	16	AV4	-0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.32		P 2	10	AV5	-0.08	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.50		P 2	15	AV6	-0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
						TEHTEC	SLUDGE	SGAC037	560BOB		
						TSHTSH	MRPCTSH	SGAH043	560RPC		
	0.59		P 2	17	AV3	-0.05	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.53		P 2	16	AV4	-0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.32		P 2	10	AV5	-0.08	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.50		P 2	15	AV6	-0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
53	81										
	0.40		P 2	12	AV1	0.05	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.87		P 2	23	AV3	0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
						TEHTEC	SLUDGE	SGAC037	560BOB		
	0.40		P 2	12	AV1	0.05	TEHTEC	BOBBIN	SGAC037	560BOB	
	0.87		P 2	23	AV3	0.03	TEHTEC	BOBBIN	SGAC037	560BOB	
50	82										
	0.78		P 2	19	AV2	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
	0.92		P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
	0.73		P 2	18	AV4	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
						TEHTEC	SLUDGE	SGAC036	560BOB		
	0.78		P 2	19	AV2	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
	0.92		P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
	0.73		P 2	18	AV4	0.00	TEHTEC	BOBBIN	SGAC036	560BOB	
50	86										
						TEHTSH	MRPCTSH	SGAH042	560RPC		
	0.35		P 2	12	AV2	0.00	TECTEH	BOBBIN	SGAH062	560BOB	
						TECTEH	SLUDGE	SGAH062	560BOB		
	0.35		P 2	12	AV2	0.00	TECTEH	BOBBIN	SGAH062	560BOB	
53	86										
	1.94		P 2	36	AV2	0.05	TEHTEC	BOBBIN	SGAC059	560BOB	
	2.62		P 2	41	AV3	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	LR
	2.10		P 2	38	AV4	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.76	146	1	TFS	AV6	20.84	TEHTEC	BOBBIN	SGAC059	560BOB	
						TEHTEC	SLUDGE	SGAC059	560BOB		
	2.63		P 2	PID	AV3	0.00	TEHTEC	BOBBIN	SGAC081	560BOB	
						TSHTSH	MRPCTSH	SGAH043	560RPC		
	1.94		P 2	36	AV2	0.05	TEHTEC	BOBBIN	SGAC059	560BOB	

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
	2.62		P 2	41	AV3	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	LR
	2.10		P 2	38	AV4	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
43 87	0.75		P 2	20	AV2	0.08	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.61		P 2	17	AV4	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.76		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
							TEHTEC	SLUDGE	SGAC059	560BOB	
	0.75		P 2	20	AV2	0.08	TSHTSH	MRPCTSH	SGAH043	560RPC	
	0.61		P 2	17	AV4	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.76		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC059	560BOB	
50 87	1.23		P 2	29	AV2	-0.08	TEHTEC	BOBBIN	SGAC058	560BOB	
							TEHTEC	SLUDGE	SGAC058	560BOB	
	1.23		P 2	29	AV2	-0.08	TSHTSH	MRPCTSH	SGAH042	560RPC	
							TEHTEC	BOBBIN	SGAC058	560BOB	
37 90	0.84		P 2	22	AV3	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.47		P 2	13	AV4	-0.03	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.53		P 2	15	AV5	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
							TEHTEC	SLUDGE	SGAC059	560BOB	
	0.84		P 2	22	AV3	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.47		P 2	13	AV4	-0.03	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.53		P 2	15	AV5	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
50 90	1.88		P 2	36	AV2	-0.05	TEHTEC	BOBBIN	SGAC058	560BOB	LR
	1.45		P 2	32	AV3	-0.03	TEHTEC	BOBBIN	SGAC058	560BOB	
	0.50		P 2	15	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
							TEHTEC	SLUDGE	SGAC058	560BOB	
	1.88		P 2	36	AV2	-0.05	TEHTEC	BOBBIN	SGAC058	560BOB	LR
	1.45		P 2	32	AV3	-0.03	TEHTEC	BOBBIN	SGAC058	560BOB	
	0.50		P 2	15	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
37 91	0.58		P 2	16	AV3	0.03	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.55		P 2	16	AV4	-0.13	TEHTEC	BOBBIN	SGAC059	560BOB	
	1.01		P 2	25	AV5	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.64		P 2	18	AV6	-0.10	TEHTEC	BOBBIN	SGAC059	560BOB	
							TEHTEC	SLUDGE	SGAC059	560BOB	
	0.58		P 2	16	AV3	0.03	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.55		P 2	16	AV4	-0.13	TEHTEC	BOBBIN	SGAC059	560BOB	
	1.01		P 2	25	AV5	0.16	TEHTEC	BOBBIN	SGAC059	560BOB	
	0.64		P 2	18	AV6	-0.10	TEHTEC	BOBBIN	SGAC059	560BOB	
50 91	3.82	182	1	DNG	O2H	17.38	TEHTEC	BOBBIN	SGAC058	560BOB	
	1.58		P 2	33	AV2	-0.03	TEHTEC	BOBBIN	SGAC058	560BOB	
	1.13		P 2	27	AV3	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
							TEHTEC	SLUDGE	SGAC058	560BOB	
	1.58		P 2	33	AV2	-0.03	TEHTEC	BOBBIN	SGAC058	560BOB	
	1.13		P 2	27	AV3	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
42 93	0.60		P 2	18	AV3	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
	0.93		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	
	1.02		P 2	26	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOB	

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
						TEHTEC	SLUDGE	SGAC058	560BOB		
						TSHTSH	MRPCTSH	SGAH042	560RPC		
	0.60		P 2	18	AV3	0.00		SGAH066	560RPC		
	0.93		P 2	24	AV4	0.00		SGAC058	560BOB		
	1.02		P 2	26	AV5	0.00		SGAC058	560BOB		
40	94					TEHTEC	BOBBIN	SGAC058	560BOB		
	0.84		P 2	23	AV5	0.00		SGAC058	560BOB		
						TEHTEC	SLUDGE	SGAC058	560BOB		
	0.84		P 2	23	AV5	0.00		SGAH042	560RPC		
						TEHTEC	BOBBIN	SGAC058	560BOB		
44	96										
	0.44		P 2	12	AV4	0.00		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
						TEHTEC	SLUDGE	SGAC060	560BOB		
	0.44		P 2	12	AV4	0.00		SGAH042	560RPC		
						TEHTEC	BOBBIN	SGAC060	560BOB		
34	98										
	0.34		P 2	11	AV4	0.10		SGAC052	560BOB		
						TEHTEC	BOBBIN	SGAC052	560BOB		
	0.34		P 2	11	AV4	0.10		SGAC052	560BOB		
						TEHTEC	SLUDGE	SGAC052	560BOB		
42	98										
	1.44		P 2	31	AV3	-0.03		SGAC060	560BOB		
	1.42		P 2	31	AV4	0.18		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
	1.44		P 2	31	AV3	-0.03		SGAC060	560BOB		
	1.42		P 2	31	AV4	0.18		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
43	98										
	0.45		P 2	14	AV4	0.13		SGAC061	560BOB		
	0.35		P 2	11	AV5	0.00		SGAC061	560BOB		
						TEHTEC	BOBBIN	SGAC061	560BOB		
	0.45		P 2	14	AV4	0.13		SGAC061	560BOB		
	0.35		P 2	11	AV5	0.00		SGAC061	560BOB		
						TEHTEC	BOBBIN	SGAC061	560BOB		
44	98										
	0.94		P 2	24	AV2	-0.03		SGAC060	560BOB		
	0.59		P 2	16	AV4	0.03		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
	0.94		P 2	24	AV2	-0.03		SGAC060	560BOB		
	0.59		P 2	16	AV4	0.03		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
45	98										
	0.73		P 2	21	AV4	0.03		SGAC061	560BOB		
						TEHTEC	BOBBIN	SGAC061	560BOB		
	0.73		P 2	21	AV4	0.03		SGAC061	560BOB		
						TEHTEC	SLUDGE	SGAC061	560BOB		
42	99										
	1.67		P 2	34	AV3	0.00		SGAC060	560BOB		
	1.66		P 2	34	AV4	0.00		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
	1.67		P 2	34	AV3	0.00		SGAC060	560BOB		
	1.66		P 2	34	AV4	0.00		SGAC060	560BOB		
						TEHTEC	BOBBIN	SGAC060	560BOB		
43	99										
	0.58		P 2	18	AV4	0.08		SGAC061	560BOB		
						TEHTEC	BOBBIN	SGAC061	560BOB		
	0.58		P 2	18	AV4	0.08		SGAC061	560BOB		
						TEHTEC	SLUDGE	SGAC061	560BOB		
						TEHTEC	BOBBIN	SGAC061	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2
45	99	0.47	P 2	15	AV4	-0.08	TEHTEC BOBBIN	SGAC061	560BOB		
		0.47	P 2	15	AV4	-0.08	TEHTEC SLUDGE	SGAC061	560BOB		
							TEHTEC BOBBIN	SGAC061	560BOB		
46	99	0.79	P 2	21	AV5	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		0.79	P 2	21	AV5	0.00	TEHTEC SLUDGE	SGAC060	560BOB		
							TEHTEC BOBBIN	SGAC060	560BOB		
47	99	0.55	P 2	15	AV6	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		0.55	P 2	15	AV6	0.00	TEHTEC SLUDGE	SGAC060	560BOB		
							TEHTEC BOBBIN	SGAC060	560BOB		
37	100	0.52	P 2	16	AV3	-0.05	TEHTEC BOBBIN	SGAC061	560BOB		
		0.37	P 2	12	AV5	0.29	TEHTEC BOBBIN	SGAC061	560BOB		
		0.52	P 2	16	AV3	-0.05	TEHTEC SLUDGE	SGAC061	560BOB		
		0.37	P 2	12	AV5	0.29	TEHTEC BOBBIN	SGAC061	560BOB		
42	101	0.77	P 2	20	AV2	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
		0.98	P 2	24	AV4	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
		1.21	P 2	28	AV5	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
							TEHTEC SLUDGE	SGAC060	560BOB		
							TSHTSH MRPCTSH	SGAH042	560RPC		
		0.77	P 2	20	AV2	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
		0.98	P 2	24	AV4	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
		1.21	P 2	28	AV5	-0.03	TEHTEC BOBBIN	SGAC060	560BOB		
43	101	0.29	48	3	NQH	02H	2.02	TEHTEC BOBBIN	SGAC061	560BOB	
		0.38	P 2	12	AV3	-0.08	TEHTEC BOBBIN	SGAC061	560BOB		
		0.62	P 2	19	AV4	0.08	TEHTEC BOBBIN	SGAC061	560BOB		
		0.55	P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC061	560BOB		LR
							TEHTEC SLUDGE	SGAC061	560BOB		
							TSHTSH MRPCTSH	SGAH043	560RPC		
		0.38	P 2	12	AV3	-0.08	TEHTEC BOBBIN	SGAC061	560BOB		
		0.62	P 2	19	AV4	0.08	TEHTEC BOBBIN	SGAC061	560BOB		
		0.55	P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC061	560BOB		LR
41	102	1.10	P 2	27	AV4	-0.08	TEHTEC BOBBIN	SGAC061	560BOB		
							TEHTEC SLUDGE	SGAC061	560BOB		
							TSHTSH MRPCTSH	SGAH043	560RPC		
		1.10	P 2	27	AV4	-0.08	TEHTEC BOBBIN	SGAC061	560BOB		
42	102	0.70	P 2	19	AV3	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		1.83	P 2	36	AV4	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		1.20	P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
							TEHTEC SLUDGE	SGAC060	560BOB		
							TSHTSH MRPCTSH	SGAH042	560RPC		
		0.70	P 2	19	AV3	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		1.83	P 2	36	AV4	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
		1.20	P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC060	560BOB		
43	102	0.46	P 2	15	AV5	-0.05	TEHTEC BOBBIN	SGAC061	560BOB		

PERCENT THROUGH WALL 1 - 100 WITH CURRENT CYCLE CALLS

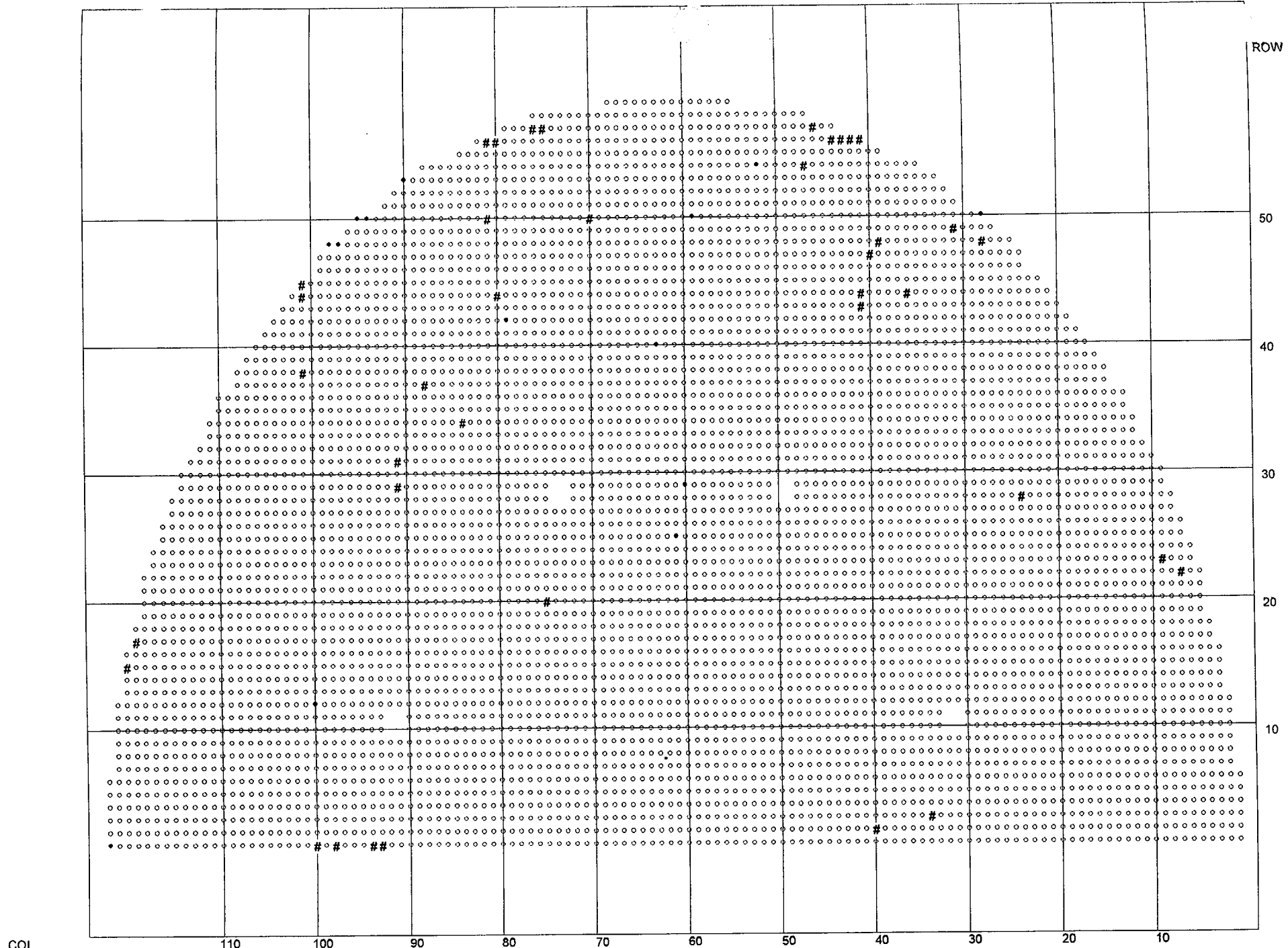
Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	Util2		
37 106	0.46		P 2	15	AV5	-0.05	TEHTEC	SLUDGE	SGAC061	560BOB			
							TSHTSH	MRPCTSH	SGAH043	56ORPC			
							TEHTEC	BOBBIN	SGAC061	560BOB			
38 106	0.62		P 2	19	AV4	-0.10	TEHTEC	BOBBIN	SGAC061	560BOB			
							TEHTEC	BOBBIN	SGAC061	560BOB			
	0.29		P 2	10	AV5	-0.05	TEHTEC	SLUDGE	SGAC061	560BOB			
							TEHTEC	BOBBIN	SGAC061	560BOB			
	34 107	0.62		P 2	19	AV4	-0.10	TEHTEC	BOBBIN	SGAC061	560BOB		
								TEHTEC	BOBBIN	SGAC061	560BOB		
0.29			P 2	10	AV5	-0.05	TEHTEC	BOBBIN	SGAC061	560BOB			
							TEHTEC	BOBBIN	SGAC061	560BOB			
34 109		0.90		P 2	23	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
								TEHTEC	BOBBIN	SGAC060	560BOB		
	0.74		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB			
							TEHTEC	BOBBIN	SGAC060	560BOB			
	0.65		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOB			
							TEHTEC	BOBBIN	SGAC060	560BOB			
32 111	0.84		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	SLUDGE	SGAC062	560BOB			
30 113	0.84		P 2	22	AV4	0.00	TSHTSH	MRPCTSH	SGAH053	56ORPC			
							TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
26 115	0.70		P 2	19	AV5	0.00	TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	SLUDGE	SGAC062	560BOB			
27 115	0.84		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
28 115	0.70		P 2	19	AV5	0.00	TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
							TEHTEC	BOBBIN	SGAC062	560BOB			
28 115	0.94		P 2	22	AV5	0.00	TEHTEC	BOBBIN	SGAC067	560BOB			
							TEHTEC	SLUDGE	SGAC067	560BOB			
							TEHTEC	BOBBIN	SGAC067	560BOB			
28 115	1.03		P 2	23	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	SLUDGE	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			
28 115	1.03		P 2	23	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	SLUDGE	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			
28 115	0.73		P 2	18	AV1	0.00	TEHTEC	BOBBIN	SGAC067	560BOB			
							TEHTEC	SLUDGE	SGAC067	560BOB			
							TEHTEC	BOBBIN	SGAC067	560BOB			
28 115	0.73		P 2	18	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	SLUDGE	SGAC066	560BOB			
28 115	1.23		P 2	26	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	SLUDGE	SGAC066	560BOB			
28 115	1.23		P 2	26	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			
							TEHTEC	BOBBIN	SGAC066	560BOB			

Number of Tubes: 92

Attachment 2-3

Dents

HL Straight Section (Map)
Dents-at AVB (Map)
CL Straight Section (Map)
Distribution Table by Location and Voltage
Voltage Histogram (Figure)



COL

ROW

50

40

30

20

10

110

100

90

80

70

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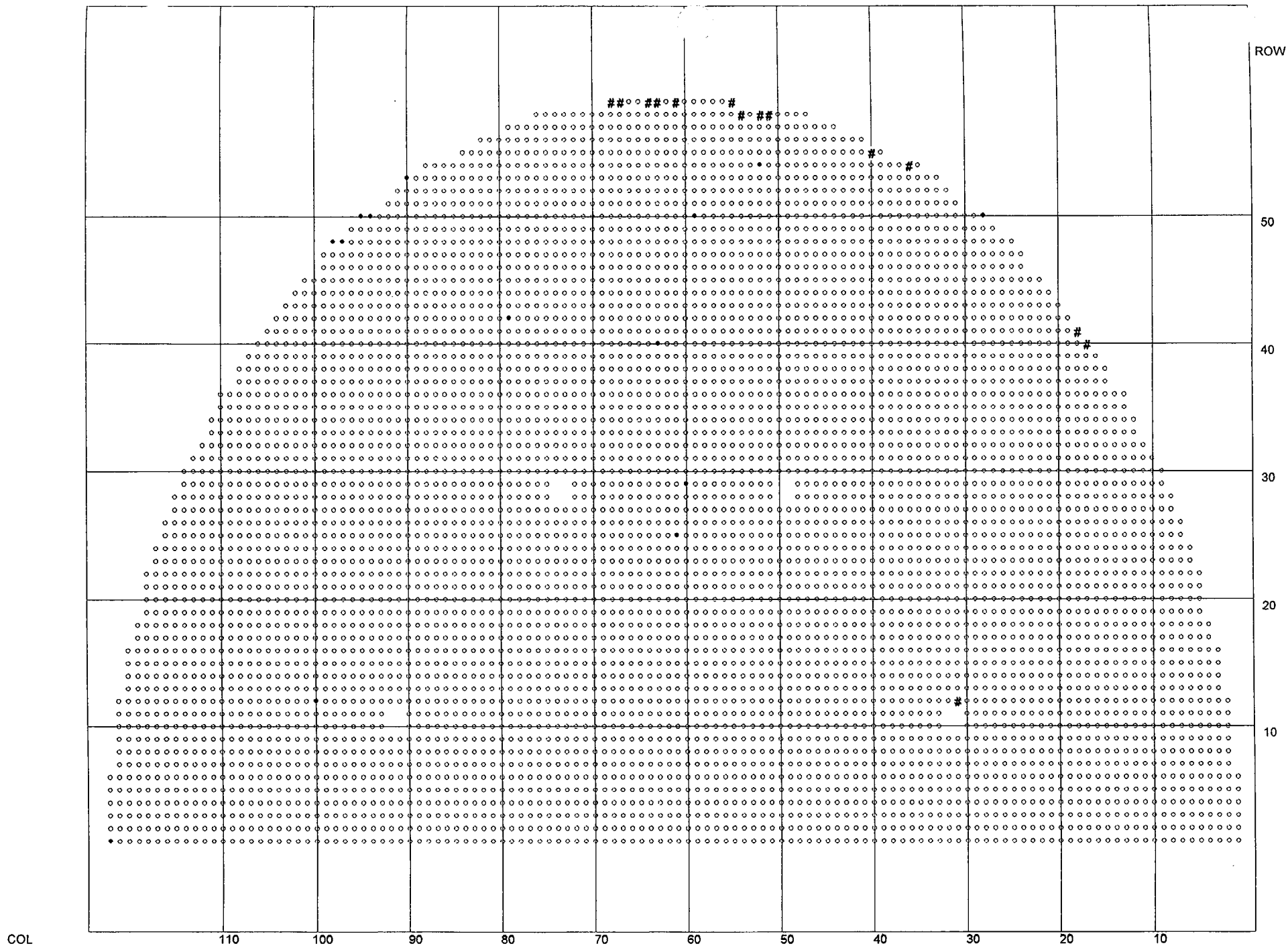
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: 39 : SGA DENTS - H/L STRAIGHT SECTIONS

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/18/99
 ABB CENO

14 Plugged

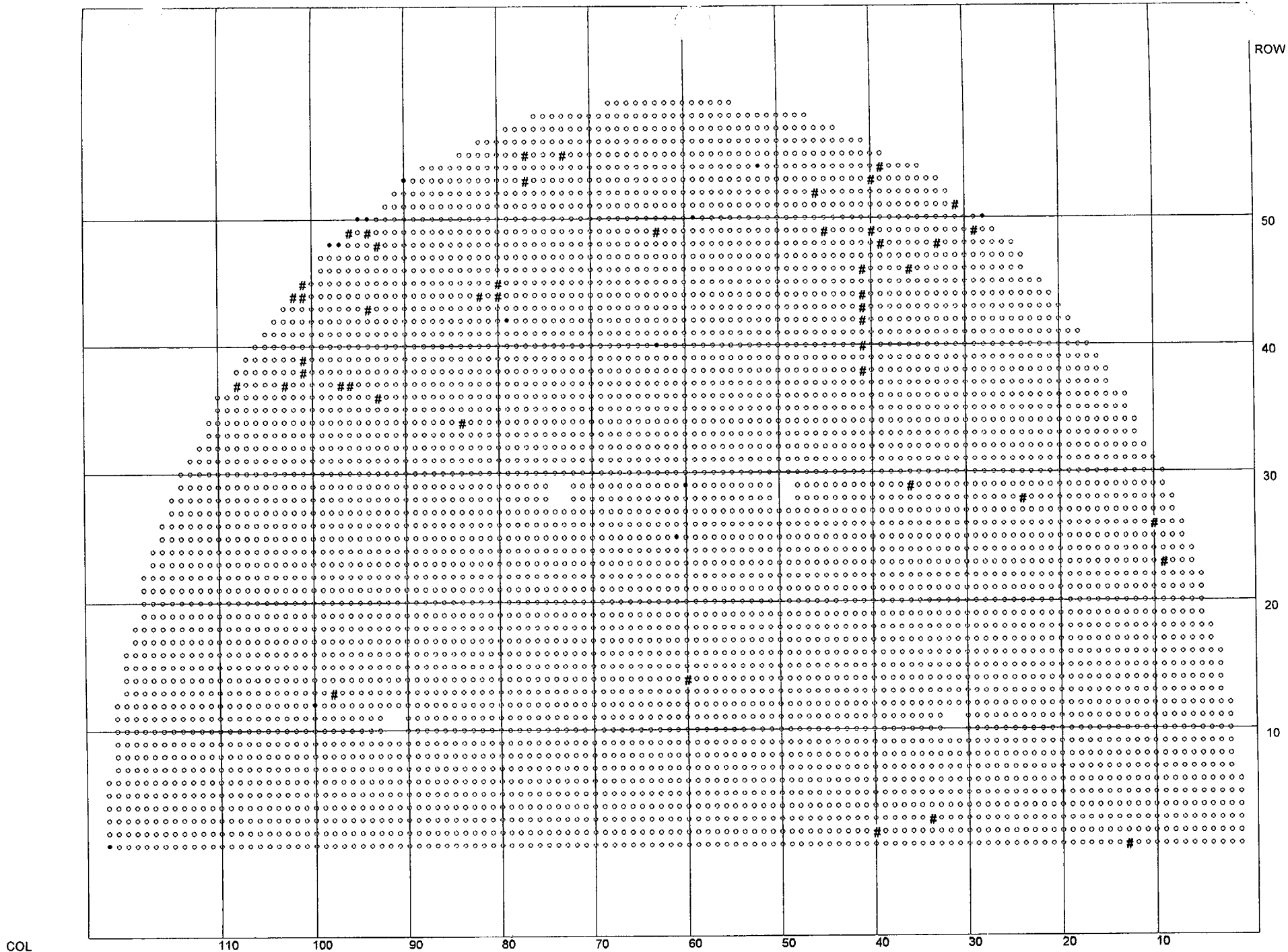


: 14 : SGA DENTS AT AVB's

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/18/99

14 Plugged

ABB CENO



: 47 : SGA DENTS - C/L STRAIGHT SECTIONS

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/18/99

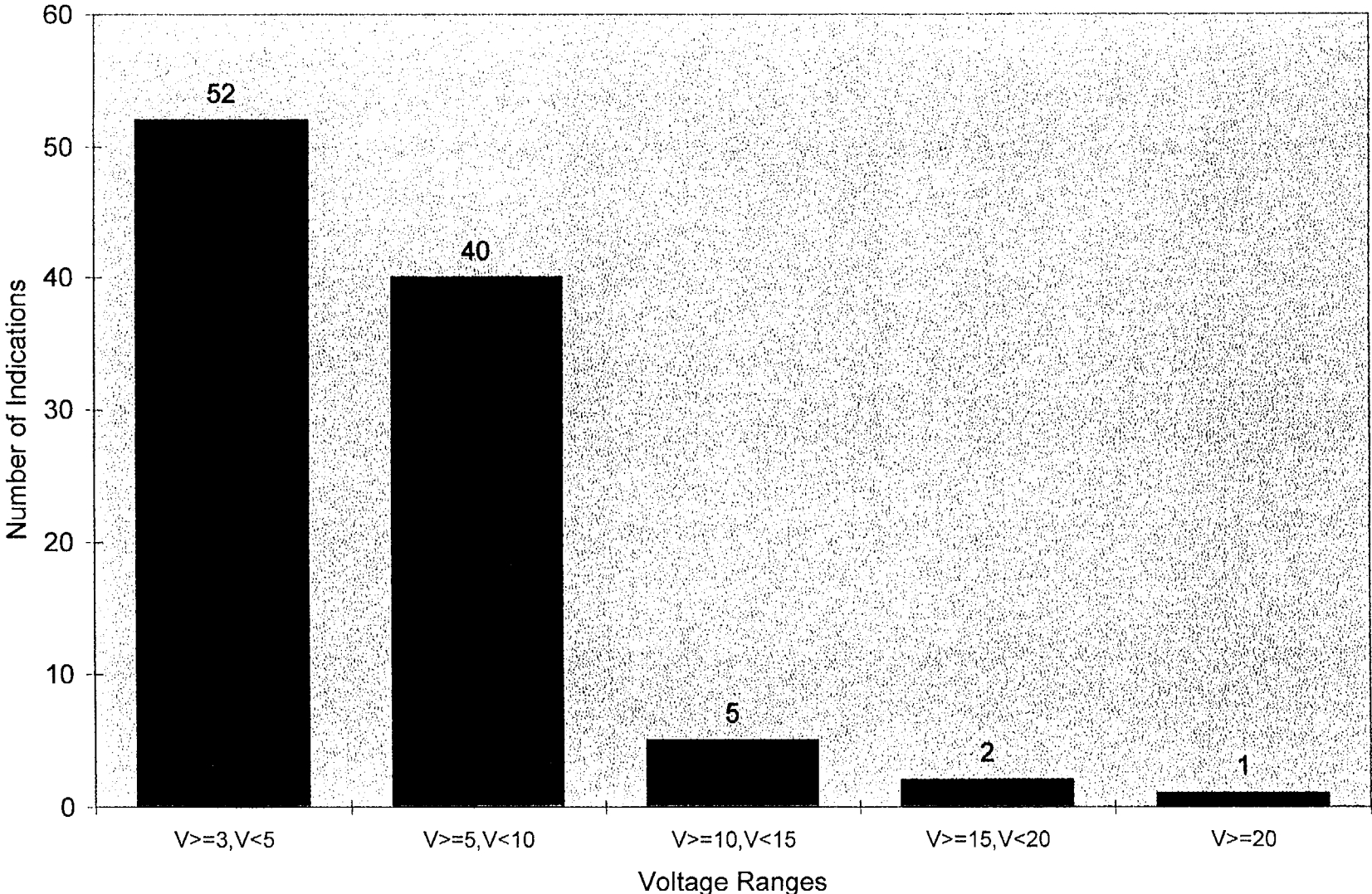
ABB CENO

14 Plugged

**STEAM GENERATOR A's
DENT's AT SUPPORT LOCATIONS**

Voltage Range	08H	AV1	AV2	AV3	AV4	AV5	AV6	08C	Total Per Voltage Range
3-5	22	0	0	2	1	1	0	26	52
5-10	14	3	1	2	0	0	1	19	40
10-15	3	0	0	0	0	0	0	2	5
15-20	0	0	0	0	0	1	1	0	2
GT 20	0	0	1	0	0	0	0	0	1
Total Per Support	39	3	2	4	1	2	2	47	100

Steam Generator A
Distribution of Dent Indication Voltages



Attachment 2-4

Dings

HL Straight Section (Map)
U-Bend Region (Map)
CL Straight Section (Map)
Distribution Table by Location and Voltage
Voltage Histogram (Figure)

ROW

50

40

30

20

10

COL

110

100

90

80

70

60

50

40

30

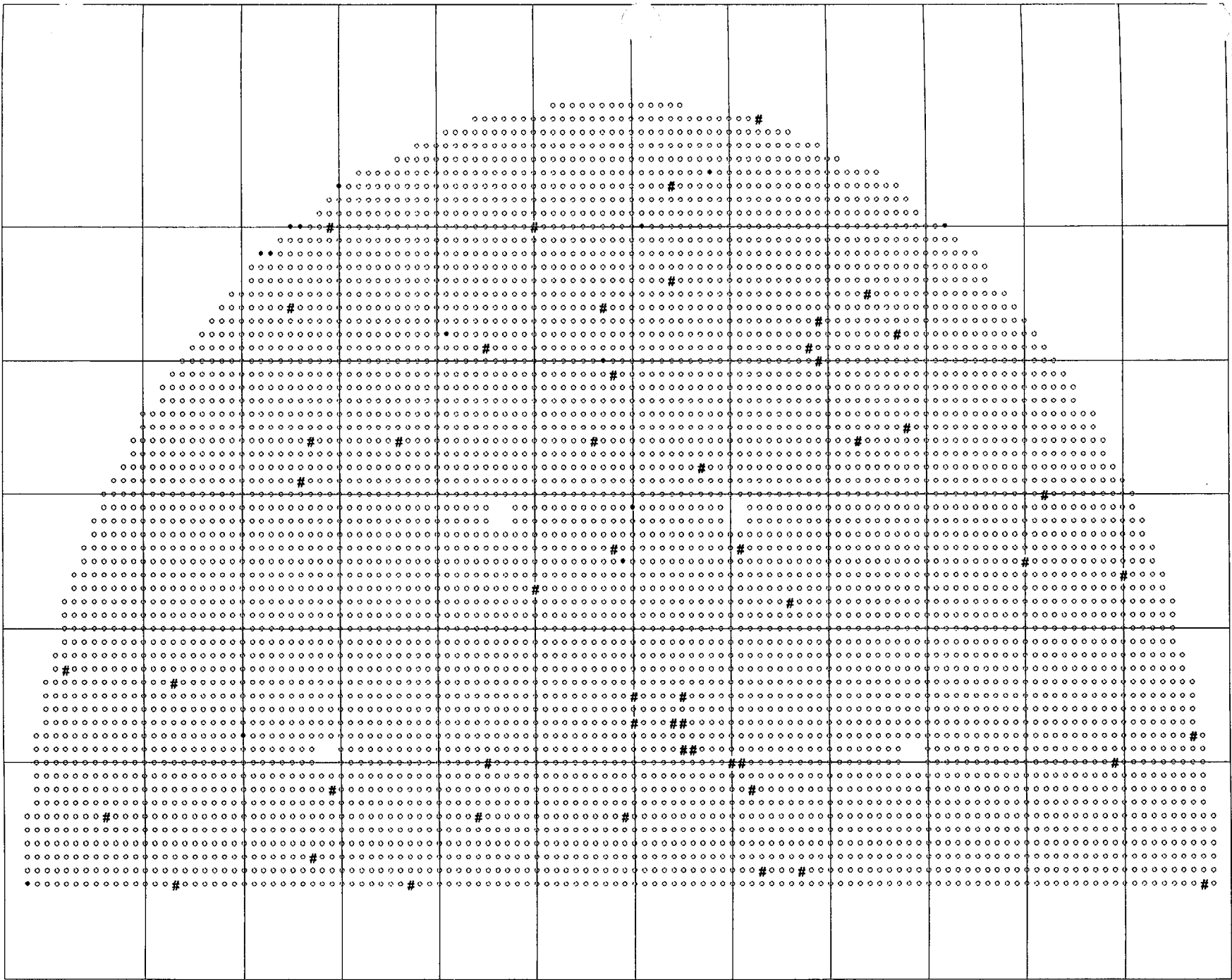
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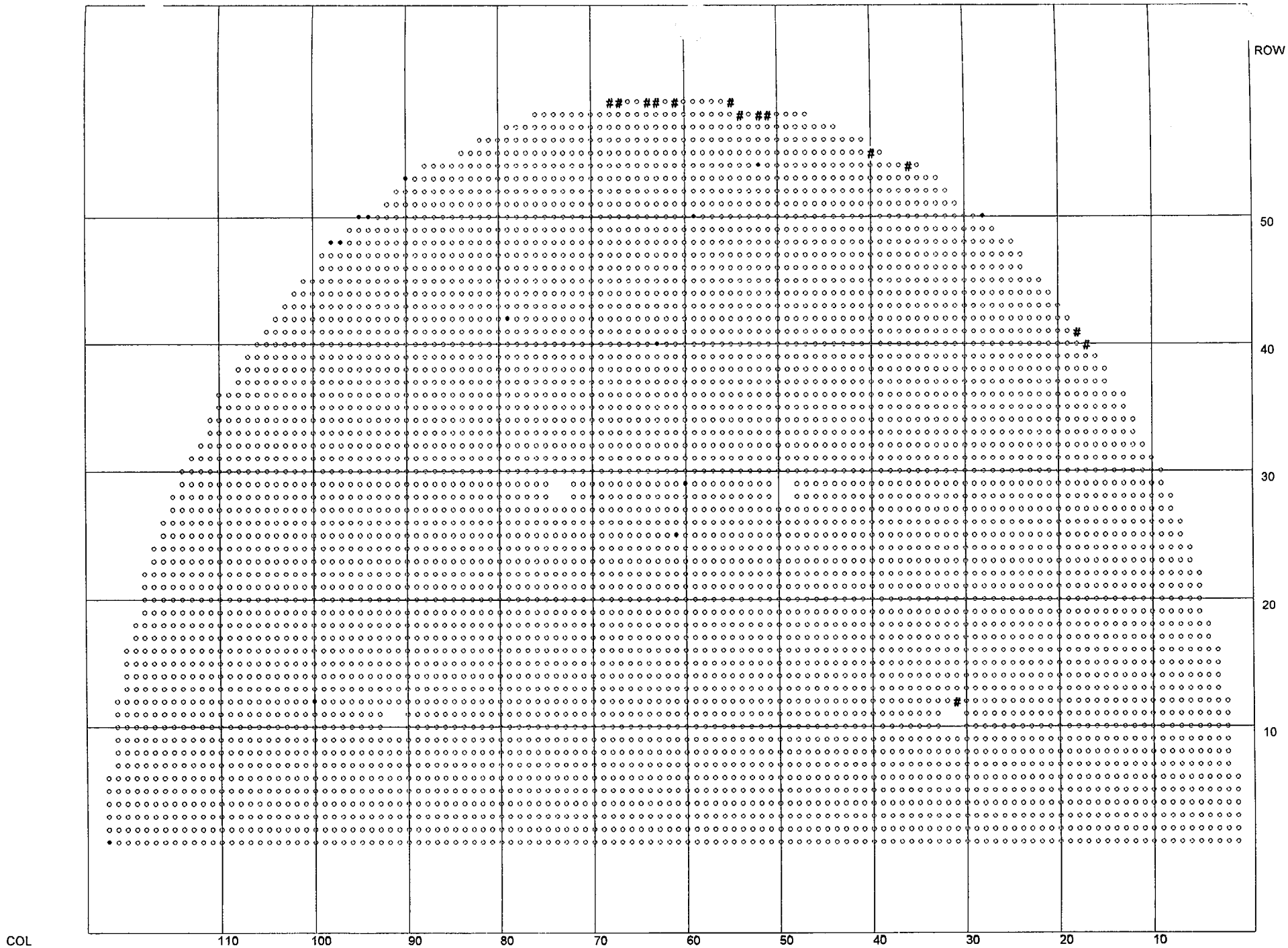
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: 53 : SGA DINGS AT H/L STRAIGHT SECTIONS

NORTHEAST UTILITIES MILLSTONE UNIT 3 STEAM GENERATOR A 05/18/99 ABB CENO

14 Plugged





: 14 : SGA DINGS AT AVB's

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/18/99

14 Plugged

ABB CENO

ROW

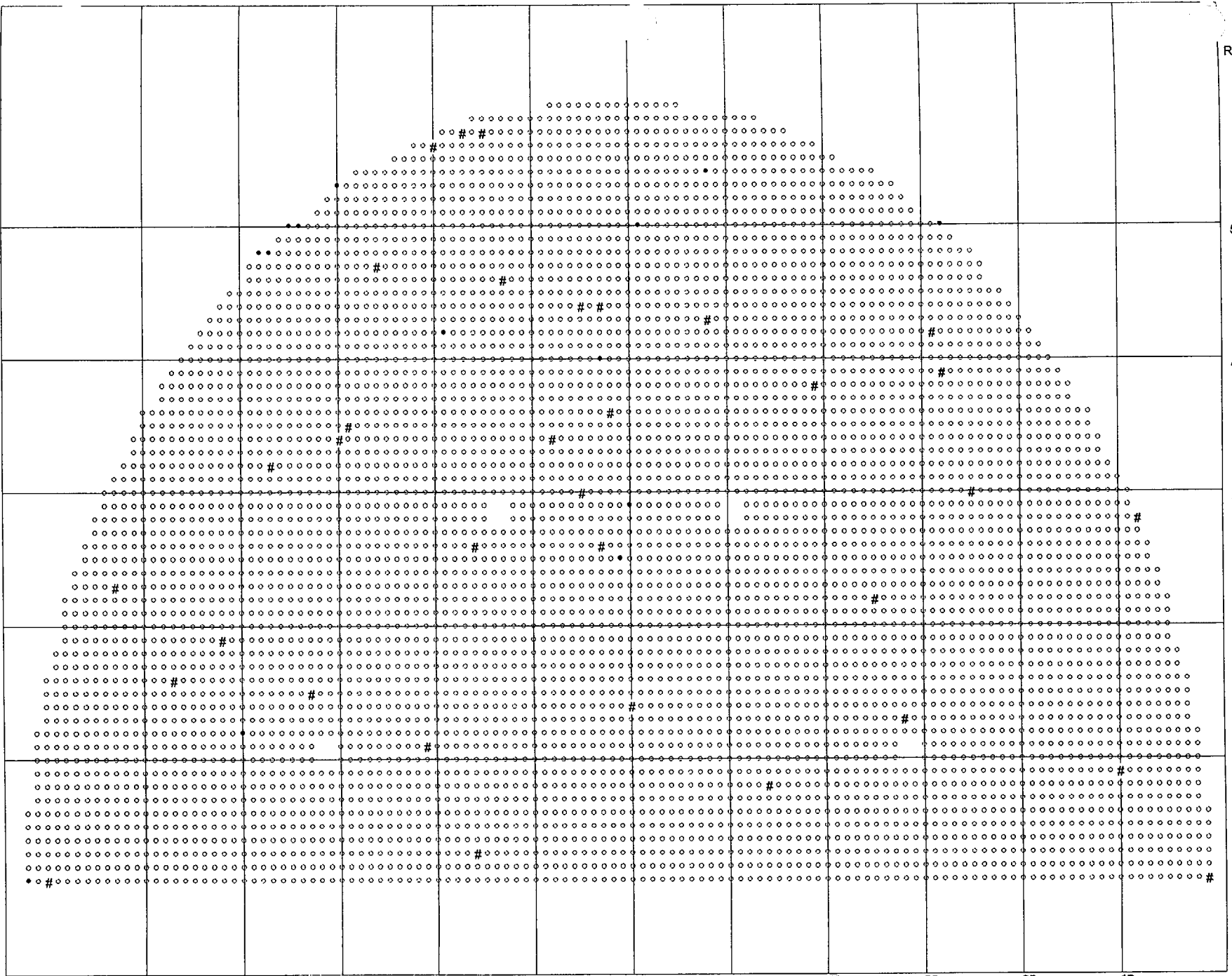
50

40

30

20

10



COL

110

100

90

80

70

60

50

40

30

20

10

: 34 : SGA DINGS AT C/L STRAIGHT SECTIONS

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/18/99

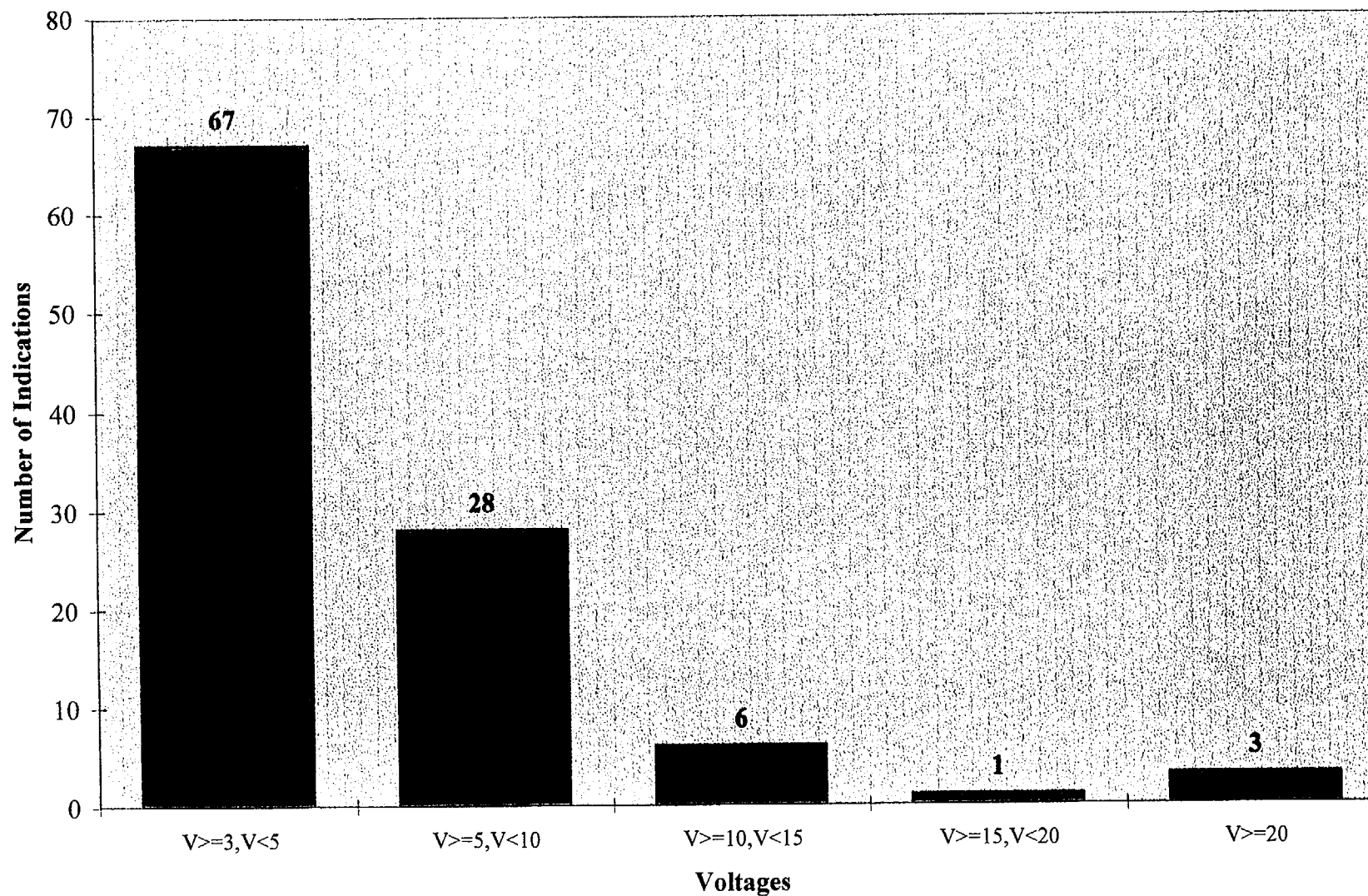
14 Plugged

ABB CENO

**STEAM GENERATOR A's
DING'S LOCATED AT FREE SPAN**

Voltage Range	3-5	5-10	10-15	15-20	GE 20	Total Per Support
TSH-01H	3	1	0	0	0	4
01H-02H	4	1	0	0	0	5
02H-03H	6	1	0	0	0	7
03H-04H	6	1	0	0	0	7
04H-05H	0	2	0	0	0	2
05H-06H	0	0	1	0	0	1
06H-07H	3	0	0	0	1	4
07H-08H	9	4	0	0	0	13
08H-AV1	6	5	1	0	0	12
AV1-AV2	3	2	0	0	1	6
AV2-AV3	1	0	0	1	1	3
AV3-AV4	0	0	0	0	0	0
AV4-AV5	1	0	1	0	0	2
AV5-AV6	4	1	0	0	0	5
AV6-08C	0	2	0	0	0	2
07C-08C	1	1	0	0	0	2
06C-07C	5	1	0	0	0	6
05C-06C	1	0	0	0	0	1
04C-05C	1	1	0	0	0	2
03C-04C	5	2	0	0	0	7
02C-03C	3	2	1	0	0	6
01C-02C	2	0	0	0	0	2
TSC-01C	3	1	2	0	0	6
Total Per Voltage Range	67	28	6	1	3	105

Steam Generator A
Distribution of Ding Indication Voltages



Attachment 2-5

MRPC

HL Tubesheet Expansion (Map)
TSH Secondary Side Anomalies (Map)
U-Bend MRPC Exams (Map)

ROW

50

40

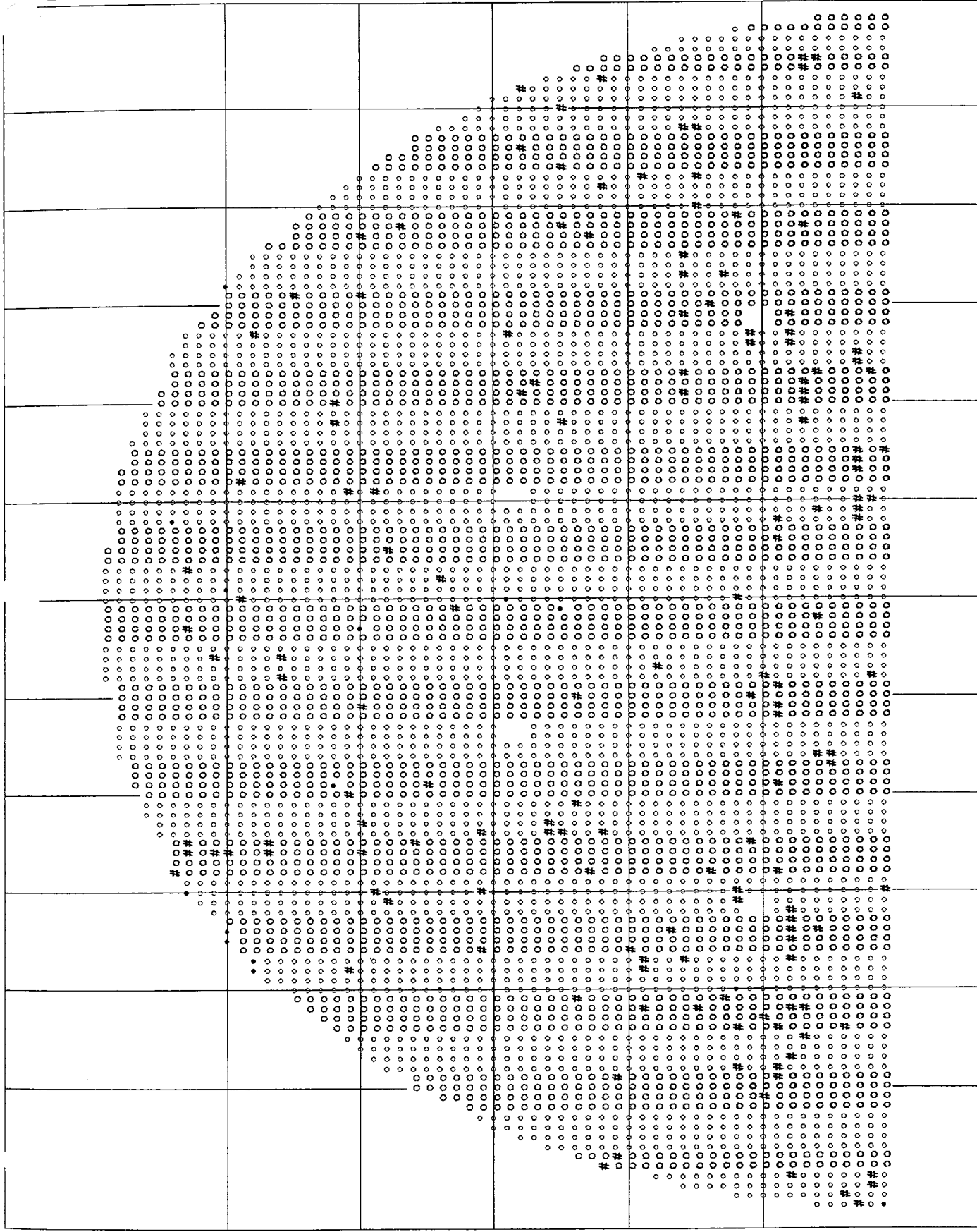
30

20

10

COL

110 100 90 80 70 60 50 40 30 20 10



Q : 2656 : SGA MRPC EXAMS - TSH-2/3
 # : 155 : SGA MRPC EXAMS - TSHTH

NORTHEAST UTILITIES MILLSTONE UNIT 3
 STEAM GENERATOR A
 05/17/99

ABB CENO

14 Plugged

ROW

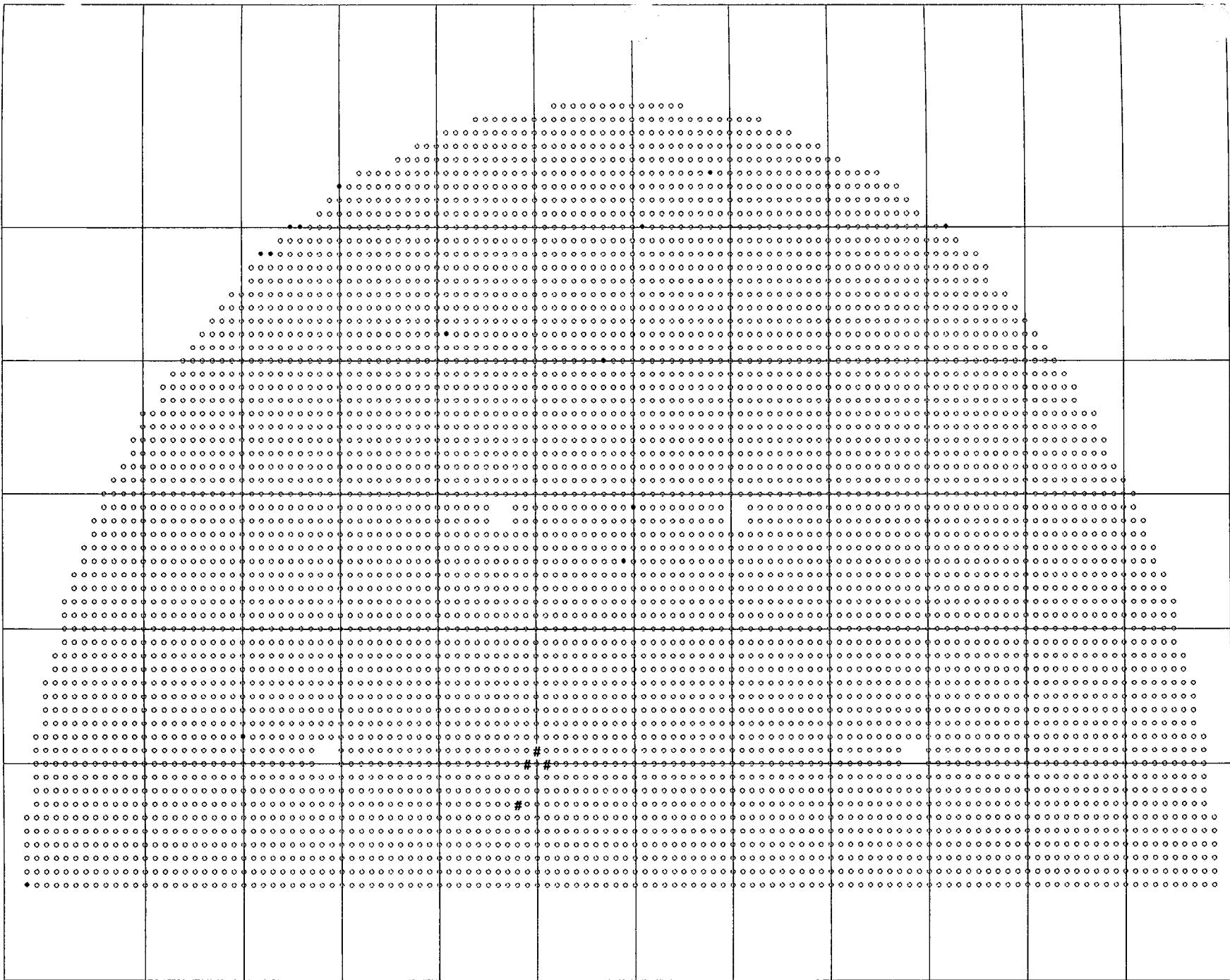
50

40

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10



COL

110

100

90

80

70

60

50

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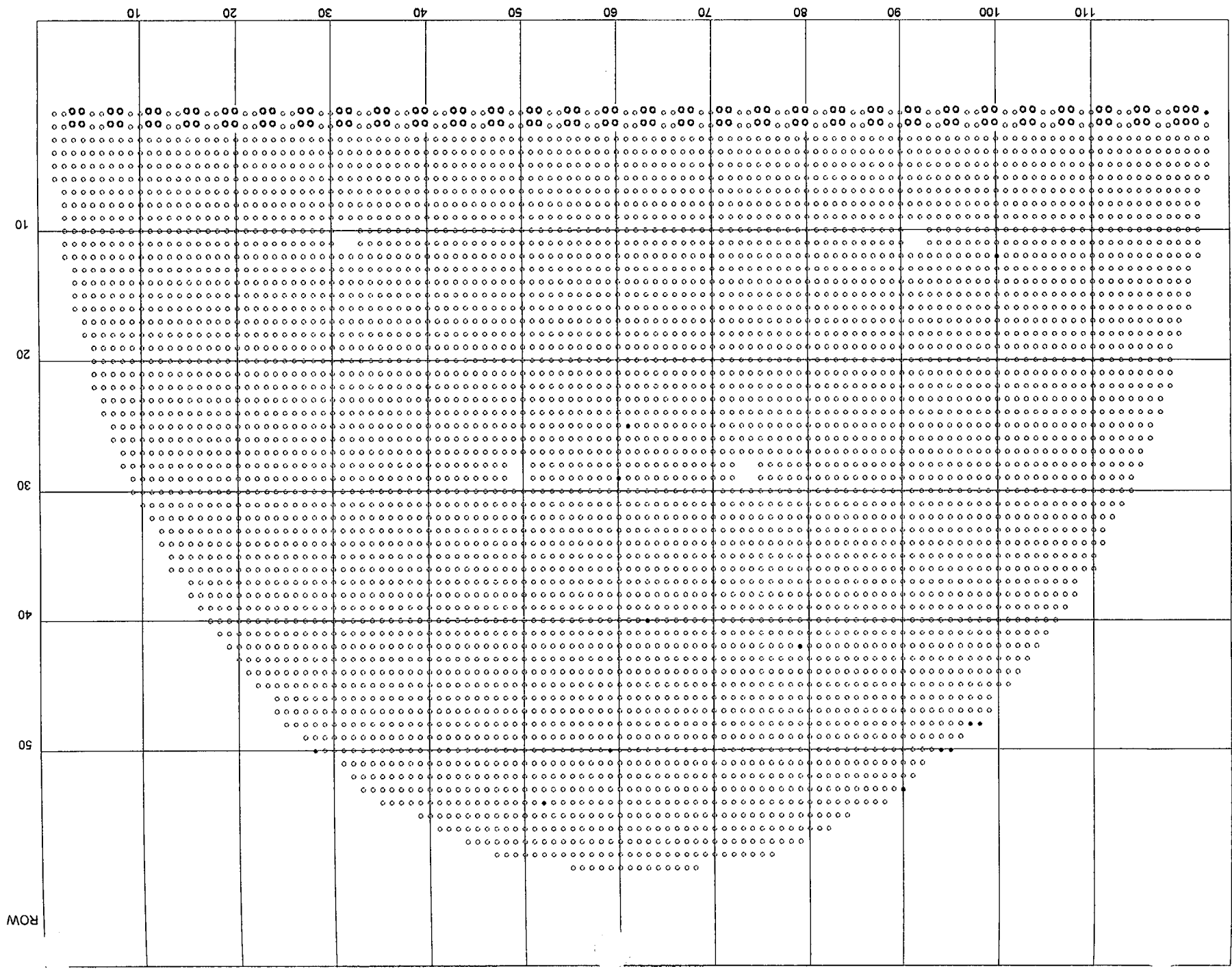
#: 4: SGA TSH SECONDARY SIDE ANOMALIES

NORTHEAST UTILITIES MILLSTONE UNIT 3 STEAM GENERATOR A 05/17/99

14 Plugged

ABB CENO

NORTHEAST UTILITIES MILLSTONE UNIT 3
STEAM GENERATOR A
05/17/99
ABB CENO

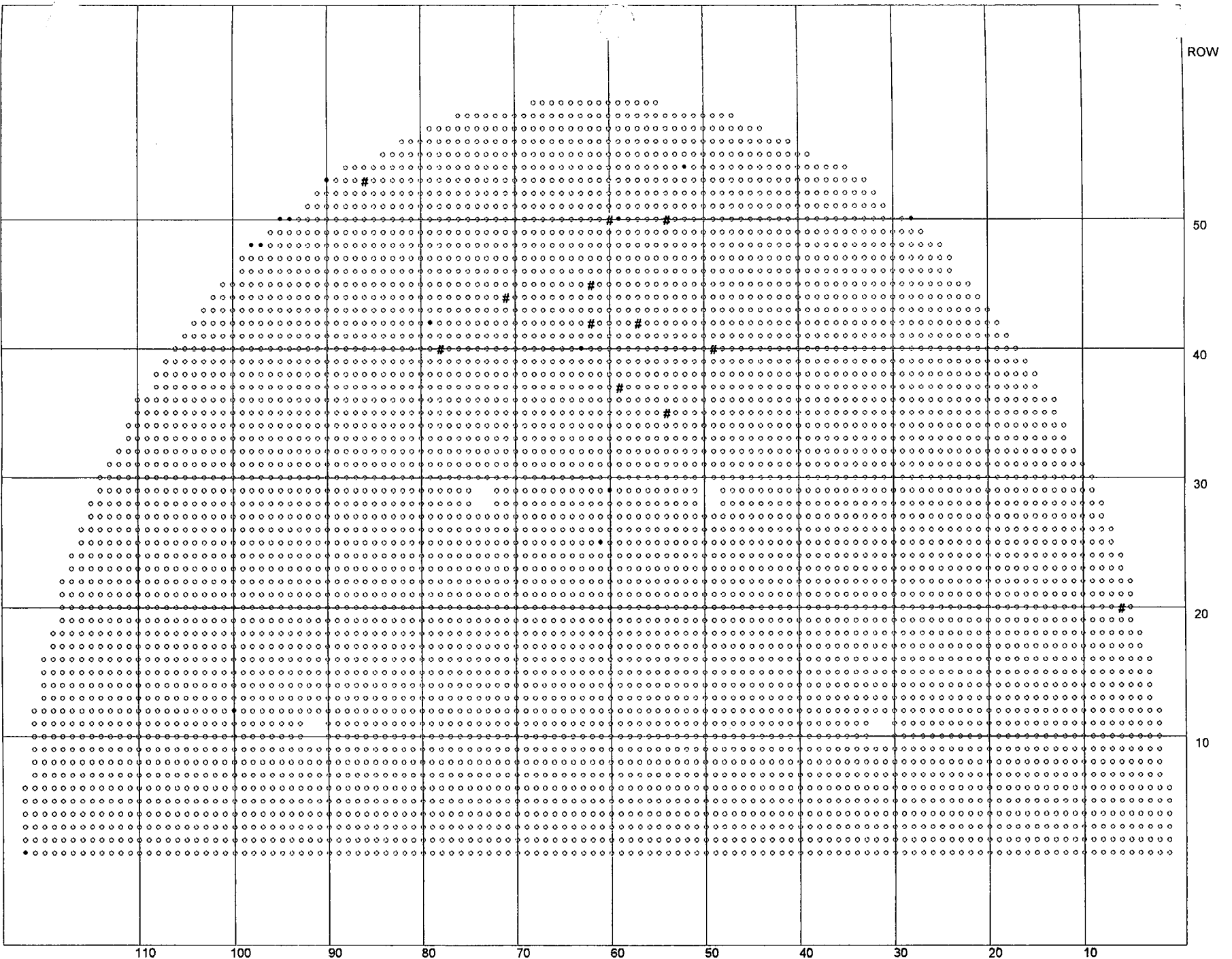


ROW

Attachment 2-6

Tube Plugging

Tubes Plugged RFO6 (Map)
Map of all Tubes Plugged



: 12 : Tubes Plugged This Outage

NORTHEAST UTILITIES MILLSTONE UNIT 3 STEAM GENERATOR A 05/18/99
ABB CENO

14 Plugged

Attachment 2-7
ECT Results
All indications

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	
1 4	0.37	87	10	PLP	TSH	0.18	TSHTSH	PLPE1	SGAH066	560RPCPP3C	
1 5	1.67	85	10	PLP	TSH	0.34	TSHTSH	MRPCTSH	SGAH003	560RPCPP3C	
	0.51	84	10	PID	TSH	0.34	TSHTSH	MRPCTSH	SGAH023	560RPCPP3C	
1 21	0.43	88	3	NQH	04C	21.22	08HTEC	BOBBIN	SGAC004	540BOBSFRMHF	
1 28	0.34	42	3	NQH	05H	25.94	08HTEH	BOBBINH	SGAH033	560BOBMULCHF	
1 30	0.61	70	3	NQH	05H	4.52	08HTEH	BOBBINH	SGAH033	560BOBMULCHF	
1 54	0.57	111	3	NQH	07C	15.49	08HTEC	BOBBIN	SGAC073	540BOBSFRMHF	
	0.41	103	3	NQH	02C	21.82	08HTEC	BOBBIN	SGAC073	540BOBSFRMHF	
1 60	0.74	83	3	NQH	06C	1.15	08CTEC	BOBBIN	SGAC071	560BOBMULCHF	
1 68	0.18	98	3	NQH	TSC	23.15	08CTEC	BOBBIN	SGAC023	560BOBMULCHF	
1 90	0.64	109	P 1	DSS	01H	0.16	08HTEH	BOBBINH	SGAH033	560BOBMULCHF	LR
1 91	0.59	85	P 1	DSS	01H	0.18	08HTEH	BOBBINH	SGAH033	560BOBMULCHF	LR
1 111	0.27	79	3	NQH	TSC	10.27	08CTEC	BOBBIN	SGAC065	560BOBMULCHF	
2 71	0.66	100	3	NQH	02C	7.43	08CTEC	BOBBIN	SGAC009	560BOBMULCHF	
	0.55	104	3	NQH	02C	3.23	08CTEC	BOBBIN	SGAC009	560BOBMULCHF	
2 82	1.63	103	3	NQH	07C	35.25	08HTEC	BOBBIN	SGAC001	540BOBSFRMHF	
2 91	0.52	122	P 1	DSS	02H	-0.36	08HTEH	BOBBINH	SGAH032	560BOBMULCHF	LR
2 118	1.11	97	3	NQH	06H	3.53	08HTEH	BOBBINH	SGAH060	560BOBMULCHF	LR
3 41	0.84	92	3	NQH	03C	9.46	08HTEC	BOBBIN	SGAC073	540BOBSFRMHF	
3 45	0.93	105	3	NQH	04C	8.66	08HTEC	BOBBIN	SGAC073	540BOBSFRMHF	
3 57	1.58	68	2	VOL	02H	12.50	02H02H	BOBBINH	SGAH067	560RPCPP3C	
3 62	0.44	63	3	NQH	06H	36.43	08HTEH	BOBBINH	SGAH031	560BOBMULCHF	
3 88	0.30	90	3	NQH	02H	33.92	08HTEH	BOBBINH	SGAH033	560BOBMULCHF	
3 105	0.34	172	P 1	DSS	06H	0.00	08HTEH	BOBBINH	SGAH070	560BOBMULCHF	
3 110	0.12	99	3	NQH	07H	18.39	08HTEH	BOBBINH	SGAH061	560BOBMULCHF	
5 19	0.81	37	3	NQH	07C	9.36	TEHTEC	BOBBIN	SGAC010	560BOBMULCHF	
5 41	1.11	107	3	NQH	03C	12.79	TEHTEC	BOBBIN	SGAC069	560BOBMULCHF	
5 53	1.02	106	3	NQH	05C	32.38	TEHTEC	BOBBIN	SGAC071	560BOBMULCHF	
5 58	0.67	92	3	NQH	03C	8.83	TEHTEC	BOBBIN	SGAC071	560BOBMULCHF	
	0.41	76	3	NQH	TSC	33.85	TEHTEC	BOBBIN	SGAC071	560BOBMULCHF	LR
5 78	0.33	112	3	PID	TSH	0.02	TSHTSH	MRPCTSH	SGAH023	560RPCPP3C	
5 94	0.44	259	10	PLP	TSH	0.18	TSHTSH	MRPCTSH	SGAH047	560RPCPP3C	LR
5 95	0.61	253	10	PLP	TSH	0.17	TSHTSH	MRPCTSH	SGAH047	560RPCPP3C	LR
5 113	0.65	96	3	NQH	04C	23.97	TEHTEC	BOBBIN	SGAC065	560BOBMULCHF	
5 122	0.73	106	3	NQH	TSH	0.59	TEHTEC	BOBBIN	SGAC067	560BOBMULCHF	
	0.88	101	3	NQH	TSH	1.05	TEHTEC	BOBBIN	SGAC067	560BOBMULCHF	
	0.59	100	3	NQH	TSH	1.71	TEHTEC	BOBBIN	SGAC067	560BOBMULCHF	
6 2	0.35	83	10	PLP	TSC	0.19	TSCTSC	PLPE3C	SGAC085	560RPCPP3C	LR
6 3	0.32	265	10	PLP	TSC	0.14	TSCTSC	PLPE3C	SGAC085	560RPCPP3C	LR
6 46	0.93	108	3	NQH	04H	37.80	TEHTEC	BOBBIN	SGAC068	560BOBMULCHF	
6 61	0.73	46	3	NQH	05H	31.22	TEHTEC	BOBBIN	SGAC080	560BOBMULCHF	
6 76	0.31	119	3	PID	TSH	0.14	TSHTSH	MRPCTSH	SGAH023	560RPCPP3C	
6 106	0.32	87	3	NQH	03H	7.69	TEHTEC	BOBBIN	SGAC064	560BOBMULCHF	
7 2	0.29	261	10	PLP	TSC	0.28	TSCTSC	PLPE3C	SGAC085	560RPCPP3C	LR
7 3	0.39	261	10	PLP	TSC	0.56	TSCTSC	PLPE2C	SGAC084	560RPCPP3C	LR
	0.31	258	10	PLP	TSC	0.01	TSCTSC	PLPE2C	SGAC084	560RPCPP3C	LR
7 18	0.45	112	3	NQH	06H	13.88	TEHTEC	BOBBIN	SGAC010	560BOBMULCHF	
	0.54	103	3	NQH	02C	6.18	TEHTEC	BOBBIN	SGAC010	560BOBMULCHF	
7 72	0.30	103	3	SSA	TSH	0.15	TSHTSH	MRPCTSH	SGAH002	560RPCPP3C	
7 78	0.22	104	3	PID	TSH	0.10	TSHTSH	MRPCTSH	SGAH023	560RPCPP3C	
7 114	0.39	95	3	NQH	01H	8.43	TEHTEC	BOBBIN	SGAC065	560BOBMULCHF	
7 118	0.65	107	3	NQH	03H	33.54	TEHTEC	BOBBIN	SGAC067	560BOBMULCHF	
8 3	0.41	255	10	PLP	TSC	0.57	TSCTSC	PLPE1C	SGAC083	560RPCPP3C	LR
8 4	0.41	263	10	PLP	TSC	0.09	TSCTSC	PLPE2C	SGAC084	560RPCPP3C	LR
8 60	0.56	90	3	NQH	04C	37.83	TEHTEC	BOBBIN	SGAC070	560BOBMULCHF	
	0.26	87	3	NQH	04C	5.48	TEHTEC	BOBBIN	SGAC070	560BOBMULCHF	
9 34	0.38	91	3	NQH	02H	3.93	TEHTEC	BOBBIN	SGAC039	560BOBMULCHF	
9 43	0.88	110	3	NQH	02C	0.66	TEHTEC	BOBBIN	SGAC069	560BOBMULCHF	
	0.59	109	3	NQH	TSC	14.11	TEHTEC	BOBBIN	SGAC069	560BOBMULCHF	
10 30	0.79	43	3	NQH	06H	5.70	TEHTEC	BOBBIN	SGAC038	560BOBMULCHF	
	0.26	28	3	NQH	07H	16.85	TEHTEC	BOBBIN	SGAC038	560BOBMULCHF	
	0.50	34	3	NQH	06C	26.65	TEHTEC	BOBBIN	SGAC038	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
	0.43	55	3	NQH	04C	36.62	TEHTEC BOBBIN	SGAC038	560BOBMULCHF	
	0.45	76	3	NQH	02C	31.62	TEHTEC BOBBIN	SGAC038	560BOBMULCHF	
10 69	0.64	92	3	SSA	TSH	0.00	TSHTSH MRPCTSH	SGAH001	560RPCPP3C	
10 71	0.51	118	3	SSA	TSH	0.07	TSHTSH MRPCTSH	SGAH001	560RPCPP3C	
10 72	0.40	128	3	PID	TSH	0.23	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
10 77	0.31	118	3	PID	TSH	0.21	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
10 79	0.20	112	3	PID	TSH	0.13	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
11 42	0.69	63	P 1	NQH	07C	7.86	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
11 49	0.64	89	3	NQH	04C	17.95	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
11 70	0.41	139	3	SSA	TSH	0.10	TEHTSH MRPCTSH	SGAH002	560RPCPP3C	
11 78	0.18	128	P 1	PID	TSH	0.29	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
11 105	0.48	86	3	NQH	06C	12.17	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
11 106	0.46	100	3	NQH	05C	18.35	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
	0.96	91	3	NQH	05C	17.73	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
11 107	0.50	97	3	NQH	06H	22.95	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
	0.45	90	3	NQH	07C	24.40	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
	0.64	92	3	NQH	07C	23.87	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
	0.72	88	3	NQH	04C	8.94	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
	0.27	88	3	NQH	03C	14.89	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
12 47	2.10	73	6	NQH	02C	33.16	TEHTEC BOBBIN	SGAC068	560BOBMULCHF	
12 51	0.58	81	3	NQH	03H	38.05	TEHTEC BOBBIN	SGAC068	560BOBMULCHF	
12 72	0.23	101	3	PID	TSH	0.45	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
12 77	0.17	96	P 1	PID	TSH	0.66	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
12 103	0.58	92	3	NQH	02C	36.04	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	LR
12 106	0.63	97	3	NQH	05H	21.28	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
12 110	0.40	109	3	NQH	06C	2.69	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
	0.63	97	3	NQH	06C	2.11	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
12 114	0.78	84	3	NQH	02H	10.98	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
12 117	0.24	76	3	NQH	02C	21.38	TEHTEC BOBBIN	SGAC066	560BOBMULCHF	LR
	0.32	63	3	NQH	02C	20.85	TEHTEC BOBBIN	SGAC066	560BOBMULCHF	LR
13 23	0.58	94	3	NQH	07H	4.02	TEHTEC BOBBIN	SGAC039	560BOBMULCHF	
13 28	5.44	5	1	BLG	TSC	1.02	TEHTEC BOBBIN	SGAC039	560BOBMULCHF	
13 43	0.42	77	3	NQH	05C	19.74	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
13 46	0.37	117	3	NQH	02C	17.50	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
13 75	0.48	105	3	NQH	06H	28.62	TEHTEC BOBBIN	SGAC012	560BOBMULCHF	
	0.38	94	3	NQH	02C	22.08	TEHTEC BOBBIN	SGAC012	560BOBMULCHF	
	0.56	97	3	NQH	02C	15.68	TEHTEC BOBBIN	SGAC012	560BOBMULCHF	
	0.10	87	3	VOL	02C	22.01	02C03C BOBBIN	SGAC020	560RPCPP3C	LR
	0.14	96	3	VOL	02C	15.78	02C03C BOBBIN	SGAC020	560RPCPP3C	LR
13 79	0.57	100	3	NQH	03H	13.61	TEHTEC BOBBIN	SGAC012	560BOBMULCHF	
	0.53	106	3	NQH	07C	36.82	TEHTEC BOBBIN	SGAC012	560BOBMULCHF	
13 87	0.60	57	3	NQH	06H	35.18	TEHTEC BOBBIN	SGAC047	560BOBMULCHF	
13 93	0.37	87	3	NQH	07C	4.39	TEHTEC BOBBIN	SGAC049	560BOBMULCHF	
13 103	0.13	263	10	PLP	TSH	0.66	TSHTSH MRPCTSH	SGAH056	560RPCPP3C	LR
14 31	0.78	80	3	NQH	TSC	1.03	TEHTEC BOBBIN	SGAC038	560BOBMULCHF	
14 34	0.25	99	3	NQH	04H	15.87	TEHTEC BOBBIN	SGAC038	560BOBMULCHF	
14 103	0.54	111	3	NQH	07C	8.68	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
	0.27	265	10	PLP	TSH	0.65	TSHTSH MRPCTSH	SGAH055	560RPCPP3C	LR
14 113	0.97	100	3	NQH	02C	1.67	TEHTEC BOBBIN	SGAC064	560BOBMULCHF	
15 32	0.58	85	3	NQH	03C	17.23	TEHTEC BOBBIN	SGAC039	560BOBMULCHF	
15 36	0.59	86	3	NQH	05C	20.54	TEHTEC BOBBIN	SGAC039	560BOBMULCHF	
15 41	0.63	112	3	NQH	03C	33.43	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
15 45	0.53	104	3	NQH	02C	16.46	TEHTEC BOBBIN	SGAC069	560BOBMULCHF	
15 58	0.34	99	3	NQH	04H	12.00	TEHTEC BOBBIN	SGAC071	560BOBMULCHF	
15 106	0.48	85	3	NQH	02H	20.63	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
15 110	0.36	58	3	NQH	01C	14.20	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
15 111	0.52	75	3	NQH	02H	25.38	TEHTEC BOBBIN	SGAC065	560BOBMULCHF	
16 78	0.30	112	3	PID	TSH	0.04	TSHTSH MRPCTSH	SGAH023	560RPCPP3C	
16 89	0.25	99	3	NQH	05H	28.18	TEHTEC BOBBIN	SGAC046	560BOBMULCHF	
16 96	0.71	101	3	NQH	07H	6.83	TEHTEC BOBBIN	SGAC048	560BOBMULCHF	
17 4	0.56	100	3	NQH	01C	11.43	TEHTEC BOBBIN	SGAC014	560BOBMULCHF	
17 23	0.47	85	3	NQH	06C	37.48	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
17 24	0.30	84	3	NQH	07C	28.53	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
	0.27	52	3	NQH	07C	25.21	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
17 25	0.61	83	3	NQH	01H	14.51	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
17 65	0.34	84	3	NQH	04C	7.50	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
	0.41	82	3	NQH	04C	2.98	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
17 67	0.57	101	3	NQH	05C	11.68	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
17 70	0.44	72	3	NQH	TSC	33.09	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
17 71	0.28	50	3	NQH	TSH	11.82	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
18 42	0.27	108	3	NQH	06C	27.35	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
18 76	0.47	100	3	NQH	07C	38.58	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
18 85	0.50	102	3	NQH	05H	6.39	TEHTEC BOBBIN	SGAC050	560BOBMULCHF	
18 102	0.65	69	3	NQH	03H	25.94	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	LR
	0.90	65	3	NQH	03H	27.51	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	LR
	0.52	52	3	NQH	03H	29.06	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	LR
19 8	0.33	76	1	TFH	AV6	23.90	TEHTEC BOBBIN	SGAC014	560BOBMULCHF	
19 23	0.43	116	1	NQH	08C	1.54	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
19 37	0.58	137	1	NQH	AV6	13.41	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
19 49	0.34	78	3	NQH	TSH	8.36	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
19 55	0.52	102	3	NQH	05C	22.04	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.71	117	3	NQH	03C	11.49	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
19 66	0.55	72	3	NQH	07C	11.64	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
	0.65	34	3	NQH	02C	18.32	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
19 74	0.53	99	3	NQH	04C	12.38	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
19 76	0.37	96	3	NQH	05H	26.53	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
19 85	0.35	80	3	NQH	02C	11.16	TEHTEC BOBBIN	SGAC051	560BOBMULCHF	
19 87	0.49	106	3	NQH	07H	15.97	TEHTEC BOBBIN	SGAC051	560BOBMULCHF	
19 92	0.94	107	3	NQH	04C	25.29	TEHTEC BOBBIN	SGAC071	560BOBMULCHF	
19 99	0.57	112	3	NQH	05C	23.67	TSHTEC BOBBIN	SGAC053	560BOBMULCHF	
19 112	2.32	83	6	NQH	AV1	1.69	TEHTEC BOBBIN	SGAC063	560BOBMULCHF	
20 6	0.19	130	3	NQH	TSH	0.51	TEHTEC BOBBIN	SGAC013	560BOBMULCHF	
	0.27	76	3	SVI	TSH	0.07	TSHTSH MRPCTSH	SGAH014	560RPP3C	LR
	0.21	74	3	SVI	TSH	0.55	TSHTSH MRPCTSH	SGAH014	560RPP3C	LR
	0.13	76	3	SVI	TSH	0.86	TSHTSH MRPCTSH	SGAH014	560RPP3C	LR
	0.23	74	3	PID	TSH	0.07	TSHTSH MRPCTSH	SGAH023	560RPP3C	
	0.20	90	3	PID	TSH	0.07	TSHTSH MRPCTSH	SGAH029	560RPP3C	LR
20 54	1.91	110	3	NQH	05H	6.76	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
20 75	0.70	66	3	NQH	06C	19.15	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
20 76	1.10	100	3	NQH	05C	6.18	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
20 96	0.30	60	3	NQH	03C	36.16	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	
21 76	1.48	71	3	NQH	05H	28.90	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
	0.59	80	3	NQH	06H	18.44	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
22 44	2.00	51	6	NQH	07C	6.35	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	0.37	99	3	NQH	06C	26.35	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	0.88	112	3	NQH	04C	9.69	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
22 65	0.40	75	3	NQH	06H	3.75	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
22 72	0.49	110	3	NQH	03H	17.45	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
22 74	0.26	80	3	NQH	07H	8.15	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
22 77	0.34	95	3	NQH	07C	6.22	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
22 78	0.39	92	3	NQH	03H	3.81	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
22 93	0.40	92	3	NQH	04C	8.77	TEHTEC BOBBIN	SGAC050	560BOBMULCHF	
22 101	0.69	99	3	NQH	07H	13.46	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	
23 27	0.50	83	3	NQH	05C	10.44	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
23 64	0.50	67	3	NQH	AV5	14.48	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
24 17	0.53	117	3	NQH	04C	2.11	TEHTEC BOBBIN	SGAC013	560BOBMULCHF	
24 61	0.21	52	3	NQH	06H	21.25	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.38	66	3	NQH	03C	38.36	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
24 113	2.09	81	6	NQH	05C	11.58	TEHTEC BOBBIN	SGAC062	560BOBMULCHF	
25 16	0.86	117	1	TFH	AV6	16.72	TEHTEC BOBBIN	SGAC014	560BOBMULCHF	
25 20	0.47	57	3	NQH	08H	18.48	TEHTEC BOBBIN	SGAC019	560BOBMULCHF	
25 24	0.25	102	3	NQH	06H	22.91	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
25 25	0.46	82	1	TFH	08C	2.93	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
	0.83	136	1	TFH	08C	2.49	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
25 27	0.26	88	3	NQH	02C	19.94	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	LR
25 32	0.26	72	1	NQH	AV6	15.10	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
25 41	1.17	117	3	NQH	04C	31.09	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 42	0.58	95	3	NQH	03H	20.38	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
	0.55	90	3	NQH	07C	20.22	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 43	0.40	85	3	NQH	02H	4.40	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
	0.30	104	3	NQH	02C	13.93	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 45	0.57	98	3	NQH	05C	32.34	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 47	0.30	96	3	NQH	04H	20.85	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 50	0.49	96	3	NQH	05H	3.53	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
25 53	0.38	84	3	NQH	03C	1.22	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
25 56	1.06	63	3	NQH	03C	1.43	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
25 61	0.93	88	1	75	03C	1.94	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
	1.43	87	1	76	03C	0.94	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
	0.89	75	P 1	76	03C	-0.05	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
25 65	0.46	73	3	NQH	04C	23.54	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
25 75	0.18	96	3	NQH	01H	13.99	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
	0.48	101	3	NQH	01H	15.14	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
25 76	0.47	97	3	NQH	03H	1.05	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	LR
	1.72	79	3	NQH	03H	2.30	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
25 115	0.22	89	1	TFH	08H	2.76	TEHTEC BOBBIN	SGAC067	560BOBMULCHF	
26 44	0.50	125	1	TFH	AV6	15.83	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	1.50	70	1	NQH	02C	38.24	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
26 45	0.95	151	1	TFH	08C	1.61	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
26 46	2.69	69	3	NQH	02C	38.31	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
26 48	0.39	96	3	NQH	05C	13.63	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	0.25	88	10	PLP	TSH	0.21	TSHTSH MRPCTSH	SGAH038	560RCP3C	LR
26 50	0.67	74	3	NQH	03C	-1.08	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	0.52	77	3	NQH	02C	38.31	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	0.27	93	3	NQH	02C	37.56	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
26 51	0.45	87	3	NQH	02C	37.23	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.86	58	3	NQH	01C	10.49	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
26 54	0.51	106	3	NQH	02C	37.11	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.52	61	3	NQH	02C	32.08	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
26 56	0.40	127	1	TFH	AV6	15.55	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.54	134	1	TFH	08C	1.62	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.46	99	3	NQH	03C	-1.34	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
26 61	0.34	140	1	NQH	AV6	15.05	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
26 73	0.87	157	1	NQH	08H	1.74	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
	0.48	108	1	NQH	08H	2.15	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
26 74	0.42	76	1	NQH	08H	1.71	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
26 79	0.56	138	1	NQH	08H	2.00	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
26 80	4.53	9	1	PVN	02H	37.81	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
26 115	1.03		P 2	23	AV1	0.00	TEHTEC BOBBIN	SGAC066	560BOBMULCHF	
27 29	0.30	119	1	TFH	08C	2.14	TEHTEC BOBBIN	SGAC043	560BOBMULCHF	
27 31	0.50	131	1	NQH	AV6	16.38	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
27 35	0.33	139	1	NQH	AV6	16.12	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
27 47	0.29	93	3	NQH	06C	33.34	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
27 115	0.73		P 2	18	AV1	0.00	TEHTEC BOBBIN	SGAC067	560BOBMULCHF	
28 34	0.77	68	3	NQH	03C	13.77	TEHTEC BOBBIN	SGAC044	560BOBMULCHF	
28 46	0.70	108	3	NQH	04H	20.05	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
28 48	0.88	78	3	NQH	AV1	6.41	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
28 115	1.23		P 2	26	AV1	0.00	TEHTEC BOBBIN	SGAC066	560BOBMULCHF	
29 36	0.40	138	P 1	NQH	08H	-0.64	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	LR
29 40	0.45		P 2	15	AV2	0.00	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
29 43	0.23	81	3	NQH	06H	5.95	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
29 51	1.23	71	3	NQH	02C	32.31	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.69	86	3	NQH	02C	29.62	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
29 55	0.94	72	3	NQH	02C	32.18	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.97	77	3	NQH	02C	30.46	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
29 57	0.47	101	3	NQH	01H	8.89	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.41	113	3	NQH	04H	2.36	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	
29 60	0.43	97	3	NQH	04H	28.73	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
	1.29	84	1	78	02C	32.63	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
	2.42	69	1	UDS	02C	29.38	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
29 63	0.35	80	3	NQH	03C	6.79	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
29 67	0.60	73	3	NQH	02H	30.37	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
	0.62		P 2	18	AV2	-0.16	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
29 68	1.68	77	3	NQH	02H	30.98	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
	0.34	67	3	NQH	06C	12.55	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
	0.47	102	3	NQH	03C	35.78	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
	0.70	93	3	NQH	03C	2.00	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
29 71	0.30	75	P 1	NQH	01H	0.60	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	LR
	0.39	74	3	NQH	02C	18.44	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
	0.34	103	3	NQH	02C	17.55	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	
29 79	0.36	75	3	NQH	02H	17.29	TEHTEC	BOBBIN	SGAC027	560BOBMULCHF	
29 80	0.64	95	3	NQH	08H	12.68	TEHTEC	BOBBIN	SGAC027	560BOBMULCHF	
	0.44	94	3	NQH	05C	13.87	TEHTEC	BOBBIN	SGAC027	560BOBMULCHF	
29 85	0.74	80	3	NQH	AV1	2.33	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	
	0.34	73	3	NQH	AV1	15.57	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	
	0.39	75	3	NQH	AV2	2.48	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	LR
29 92	0.46	97	3	NQH	05C	11.16	TEHTEC	BOBBIN	SGAC071	560BOBMULCHF	
29 102	0.20	85	3	NQH	03C	18.51	TEHTEC	BOBBIN	SGAC053	560BOBMULCHF	
	0.34	94	3	NQH	02C	22.43	TEHTEC	BOBBIN	SGAC053	560BOBMULCHF	
29 103	0.56	70	3	NQH	01H	7.04	TEHTEC	BOBBIN	SGAC063	560BOBMULCHF	
30 9	1.42		P 2	31	AV5	0.00	TEHTEC	BOBBIN	SGAC013	560BOBMULCHF	
30 48	1.53	110	3	NQH	02C	10.77	TEHTEC	BOBBIN	SGAC056	560BOBMULCHF	
30 55	0.98	52	3	NQH	05H	36.99	TEHTEC	BOBBIN	SGAC054	560BOBMULCHF	
30 58	0.53	117	3	NQH	06C	36.56	TEHTEC	BOBBIN	SGAC054	560BOBMULCHF	
30 59	0.37	82	3	NQH	07C	31.30	TEHTEC	BOBBIN	SGAC054	560BOBMULCHF	
30 79	0.19	96	3	NQH	03H	8.50	TEHTEC	BOBBIN	SGAC026	560BOBMULCHF	
30 80	0.37	99	3	NQH	04C	12.79	TEHTEC	BOBBIN	SGAC026	560BOBMULCHF	
30 113	0.94		P 2	22	AV5	0.00	TEHTEC	BOBBIN	SGAC067	560BOBMULCHF	
31 25	0.29	102	3	NQH	03H	4.76	TEHTEC	BOBBIN	SGAC043	560BOBMULCHF	
	0.22	84	3	NQH	05C	16.99	TEHTEC	BOBBIN	SGAC043	560BOBMULCHF	
	0.25	64	3	NQH	05C	16.52	TEHTEC	BOBBIN	SGAC043	560BOBMULCHF	
31 47	0.32	79	10	PLP	TSH	0.19	TSHTSH	MRPCTSH	SGAH039	560RPCPP3C	LR
31 60	0.33	124	1	TFH	08H	3.34	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
31 61	0.38	93	3	NQH	07C	29.34	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
	0.56	106	3	NQH	07C	28.19	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
	0.67	74	3	NQH	07C	23.68	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
	0.61	84	3	NQH	07C	19.11	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
31 83	0.36	52	3	NQH	02H	15.02	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	
31 92	0.55	70	3	NQH	02H	8.87	TEHTEC	BOBBIN	SGAC070	560BOBMULCHF	
31 94	0.24	75	3	NQH	02H	7.00	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	LR
31 96	0.35	102	3	NQH	02H	21.85	TEHTEC	BOBBIN	SGAC053	560BOBMULCHF	
	0.32	99	3	NQH	02H	27.50	TEHTEC	BOBBIN	SGAC053	560BOBMULCHF	
	0.30	93	3	NQH	05C	4.54	TEHTEC	BOBBIN	SGAC053	560BOBMULCHF	
32 19	0.40	105	3	NQH	02C	23.21	TEHTEC	BOBBIN	SGAC015	560BOBMULCHF	
	0.23	99	3	NQH	02C	22.63	TEHTEC	BOBBIN	SGAC015	560BOBMULCHF	
32 22	0.29	79	10	PLP	TSH	0.14	TSHTSH	PLPE1	SGAH066	560RPCPP3C	
32 26	0.41	99	3	NQH	01H	17.51	TEHTEC	BOBBIN	SGAC042	560BOBMULCHF	
32 41	0.74	80	3	NQH	03C	5.84	TEHTEC	BOBBIN	SGAC056	560BOBMULCHF	
32 48	0.28	95	3	NQH	04C	13.14	TEHTEC	BOBBIN	SGAC056	560BOBMULCHF	
32 58	0.97	73	3	NQH	02H	18.34	TEHTEC	BOBBIN	SGAC054	560BOBMULCHF	
	0.55	86	3	NQH	03C	-1.59	TEHTEC	BOBBIN	SGAC054	560BOBMULCHF	
32 106	0.29	85	3	NQH	06C	26.86	TEHTEC	BOBBIN	SGAC062	560BOBMULCHF	
32 111	0.84		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOBMULCHF	
	0.70		P 2	19	AV5	0.00	TEHTEC	BOBBIN	SGAC062	560BOBMULCHF	
33 21	0.53	261	10	PLP	TSH	0.28	TSHTSH	MRPCTSH	SGAH019	560RPCPP3C	LR
33 22	0.30	261	10	PLP	TSH	0.23	TSHTSH	MRPCTSH	SGAH019	560RPCPP3C	LR
33 23	0.34	106	3	NQH	TSH	9.43	TEHTEC	BOBBIN	SGAC043	560BOBMULCHF	
33 45	0.55	110	3	NQH	03C	7.69	TEHTEC	BOBBIN	SGAC057	560BOBMULCHF	
33 46	0.44	87	3	NQH	02C	33.18	TEHTEC	BOBBIN	SGAC057	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
33 49	0.24	106	3	NQH	02H	13.93	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
	0.81	85	3	NQH	02C	31.56	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
33 53	2.33	71	3	NQH	02C	33.94	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
33 54	0.56	93	3	NQH	05C	26.36	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.17	85	3	NQH	03C	24.41	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
33 56	0.39	106	3	NQH	04H	29.46	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
33 59	0.83	112	3	NQH	03C	32.40	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
33 61	0.37	77	10	PLP	TSH	0.37	TSHTSH MRPCTSH	SGAH039	560RPP3C	LR
	0.45	266	10	PLP	TSH	0.37	TEHTEC MRPCTSH	SGAH055	560RPP3C	LR
33 66	1.49	79	3	NQH	02H	33.60	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
33 69	1.97	73	3	NQH	02H	33.25	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
33 71	0.91	70	3	NQH	01H	5.59	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
33 77	0.57	105	3	NQH	05C	25.24	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
33 80	0.42	93	3	NQH	AV4	5.51	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
33 86	0.29	103	3	NQH	03C	21.82	TEHTEC BOBBIN	SGAC051	560BOBMULCHF	
	0.34	114	3	NQH	03C	21.14	TEHTEC BOBBIN	SGAC013	560BOBMULCHF	
34 14	0.43	87	3	NQH	04H	4.12	TEHTEC BOBBIN	SGAC013	560BOBMULCHF	
34 16	0.34	75	3	NQH	03C	23.99	TEHTEC BOBBIN	SGAC013	560BOBMULCHF	
34 40	0.79	87	3	NQH	AV5	11.85	TEHTEC BOBBIN	SGAC044	560BOBMULCHF	
34 45	0.39	92	3	NQH	04H	1.81	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
34 46	1.19		P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	1.18		P 2	28	AV6	0.00	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
34 48	0.66		P 2	18	AV2	0.00	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
	1.25		P 2	29	AV3	0.00	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
34 60	0.71		P 2	19	AV3	0.00	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	1.21		P 2	28	AV4	-0.05	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
	0.50		P 2	15	AV5	-0.13	TEHTEC BOBBIN	SGAC054	560BOBMULCHF	
34 64	0.49	76	3	NQH	03H	15.85	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.30	61	3	NQH	03H	16.74	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.40	105	3	NQH	04H	31.20	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.46	74	3	NQH	05C	24.42	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.24	63	3	NQH	03C	23.93	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.45	96	3	NQH	02C	6.33	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
	0.28	101	3	NQH	TSC	16.42	TEHTEC BOBBIN	SGAC024	560BOBMULCHF	
34 73	0.88		P 2	24	AV4	0.18	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
	1.35		P 2	31	AV5	-0.20	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
34 77	1.00	77	3	NQH	05C	1.88	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
34 90	0.71	110	3	NQH	03C	30.60	TEHTEC BOBBIN	SGAC050	560BOBMULCHF	
34 98	0.34		P 2	11	AV4	0.10	TEHTEC BOBBIN	SGAC052	560BOBMULCHF	
34 107	0.41		P 2	12	AV4	0.00	TEHTEC BOBBIN	SGAC062	560BOBMULCHF	
34 109	1.28		P 2	29	AV4	0.00	TEHTEC BOBBIN	SGAC062	560BOBMULCHF	
35 16	0.76	113	3	NQH	06C	38.58	TEHTEC BOBBIN	SGAC014	560BOBMULCHF	
35 38	0.54	78	3	NQH	07C	25.20	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
	0.72	43	3	NQH	02C	16.88	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
35 39	0.32	72	3	NQH	04H	31.95	TEHTEC BOBBIN	SGAC045	560BOBMULCHF	
	0.46	261	10	PLP	TSH	0.68	TSHTSH MRPCTSH	SGAH021	560RPP3C	LR
35 41	0.33	89	3	NQH	03H	25.20	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
35 49	0.41		P 2	13	AV5	0.00	TEHTEC BOBBIN	SGAC057	560BOBMULCHF	
35 54	0.39		P 2	12	AV2	0.00	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	1.19		P 2	28	AV3	-0.08	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	2.06		P 2	37	AV4	-0.18	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	1.19		P 2	28	AV5	-0.08	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
35 58	0.72		P 2	20	AV2	0.03	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	1.56		P 2	33	AV3	0.16	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	1.28		P 2	30	AV4	0.26	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	1.39		P 2	31	AV5	0.31	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.67		P 2	19	AV6	0.00	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
35 59	0.99		P 2	25	AV2	0.05	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.61		P 2	18	AV6	0.18	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
35 60	0.74		P 2	21	AV4	-0.10	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
	0.35		P 2	11	AV5	0.03	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	
35 61	0.35		P 2	11	AV4	0.18	TEHTEC BOBBIN	SGAC055	560BOBMULCHF	

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Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
35 66	0.52	86	3	NQH	05H	16.53	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
35 71	0.93		P 2	24	AV4	0.00	TEHTEC BOBBIN	SGAC025	560BOBMULCHF	
35 77	0.33		P 2	13	AV2	-0.03	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
	0.65		P 2	22	AV3	0.00	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
	0.36		P 2	14	AV4	0.00	TEHTEC BOBBIN	SGAC027	560BOBMULCHF	
35 83	0.42	72	3	NQH	06H	14.69	TEHTEC BOBBIN	SGAC051	560BOBMULCHF	
35 85	0.49	106	3	NQH	05C	7.05	TEHTEC BOBBIN	SGAC051	560BOBMULCHF	
36 33	0.68	92	3	NQH	01C	8.69	TEHTEC BOBBIN	SGAC044	560BOBMULCHF	
36 41	1.21	109	3	NQH	01H	-1.37	TEHTEC BOBBIN	SGAC056	560BOBMULCHF	
36 72	0.68	110	3	NQH	06C	5.19	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
36 74	0.46	73	3	NQH	TSH	16.98	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
36 82	0.48	77	3	NQH	05C	3.93	TEHTEC BOBBIN	SGAC026	560BOBMULCHF	
37 24	0.36	75	10	PLP	TSH	0.36	TSHTSH MRPCTSH	SGAH035	560RPCPP3C	LR
37 32	0.35	105	3	NQH	07C	37.22	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
37 35	2.42	70	6	NQH	05C	8.62	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
37 45	1.00		P 2	24	AV2	-0.16	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
37 46	0.25	82	3	NQH	02C	3.72	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
37 56	0.64	89	3	NQH	03H	28.21	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.52	89	3	NQH	03H	37.77	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	1.03	133	1	NQH	08H	4.71	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.43		P 2	14	AV3	0.10	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.58		P 2	17	AV4	0.13	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
37 59	0.76		P 2	21	AV3	0.24	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	2.06		P 2	37	AV4	0.24	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	1.11		P 2	27	AV5	-0.08	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
37 60	0.39	78	3	NQH	02C	6.47	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
37 75	0.46	83	3	NQH	06C	20.91	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
37 80	0.46	95	3	NQH	02C	4.58	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
37 83	0.95	92	3	NQH	02H	33.20	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
37 90	0.84		P 2	22	AV3	0.16	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.47		P 2	13	AV4	-0.03	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.53		P 2	15	AV5	0.16	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
37 91	0.58		P 2	16	AV3	0.03	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.55		P 2	16	AV4	-0.13	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	1.01		P 2	25	AV5	0.16	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.64		P 2	18	AV6	-0.10	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
37 100	0.52		P 2	16	AV3	-0.05	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
	0.37		P 2	12	AV5	0.29	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
37 101	0.28	86	3	NQH	02C	25.79	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
37 106	0.62		P 2	19	AV4	-0.10	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
	0.29		P 2	10	AV5	-0.05	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
38 19	0.33	108	3	NQH	03C	3.85	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.42	114	3	NQH	03C	3.29	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
38 24	0.29	83	10	PLP	TSH	0.24	TSHTSH MRPCTSH	SGAH034	560RPCPP3C	LR
38 28	0.52	86	3	NQH	06H	24.54	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
38 45	0.36	95	3	NQH	04C	9.73	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
38 52	0.56		P 2	17	AV2	0.23	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
38 63	1.00	103	3	NQH	07C	15.65	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.51	107	3	NQH	07C	14.80	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
38 66	0.35	89	3	NQH	03H	22.36	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.46	96	3	NQH	03H	22.91	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
38 106	0.90		P 2	23	AV3	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
	0.74		P 2	20	AV4	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
	0.65		P 2	18	AV5	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
39 18	0.51	95	3	NQH	04C	37.38	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
39 21	1.01	109	3	NQH	02H	11.15	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
39 23	0.71	104	3	NQH	05H	15.03	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
39 29	0.46	58	3	NQH	04H	28.15	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
	0.44	92	3	NQH	04H	31.07	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
39 33	0.30	95	3	NQH	05C	7.49	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
39 39	0.26	81	3	NQH	07C	28.94	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.32	70	3	NQH	06C	7.55	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	
	0.36	65	3	NQH	06C	6.21	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.26	73	3	NQH	04C	13.70	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.35	77	3	NQH	04C	13.10	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.46	73	3	NQH	04C	12.52	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.22	68	3	NQH	04C	12.03	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
39 51	0.48		P 2	14	AV3	-0.29	TEHTEC	BOBBIN	SGAC029	560BOBMULCHF	
39 56	0.55	74	10	PLP	TSH	0.21	TSHTSH	MRPCTSH	SGAH037	560RPCPP3C	LR
39 57	0.99		P 2	25	AV2	-0.16	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
39 60	0.67		P 2	19	AV4	0.10	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
39 70	0.39	93	3	NQH	AV5	11.74	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
39 71	0.46		P 2	11	AV4	0.31	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
	0.59		P 2	17	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
39 75	0.61		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
40 26	0.65	111	3	NQH	07H	2.99	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
40 27	0.42	107	3	NQH	07H	13.35	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
40 30	0.21	111	3	VOL	TSH	1.45	TSHTSH	MRPCTSH	SGAH034	560RPCPP3C	LR
40 31	0.36	94	3	NQH	02C	16.71	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
	0.20	69	3	NQH	02C	14.61	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
40 32	0.59	105	3	NQH	02C	32.39	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
40 37	0.46	69	3	NQH	03H	9.79	TEHTEC	BOBBIN	SGAC021	560BOBMULCHF	
40 45	0.99		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
40 49	0.97		P 2	24	AV2	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
	1.77		P 2	35	AV3	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
	2.93		P 2	44	AV4	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	LR
	1.84		P 2	35	AV5	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	LR
	0.73		P 2	19	AV6	0.00	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	LR
	2.41		P 2	PID	AV4	0.00	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
40 65	0.57		P 2	17	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
	1.85		P 2	36	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
	0.72		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
40 71	0.80		P 2	23	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
40 78	1.78		P 2	36	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
	1.80		P 2	37	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
	1.00		P 2	27	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
	0.69		P 2	21	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
	0.93		P 2	26	AV6	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
40 79	0.48	98	3	NQH	AV1	1.72	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
40 89	0.82	112	3	NQH	AV5	11.01	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
40 94	0.84		P 2	23	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
41 19	0.54	112	3	NQH	TSC	18.38	TEHTEC	BOBBIN	SGAC018	560BOBMULCHF	
41 29	0.30	69	3	NQH	04C	27.91	TEHTEC	BOBBIN	SGAC018	560BOBMULCHF	
41 36	0.63	96	3	NQH	06C	22.18	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
41 39	0.50	70	3	NQH	05H	26.97	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.34	109	1	NQH	07H	37.90	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.83	78	1	NQH	08H	-1.30	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	1.14	49	1	NQH	07C	37.61	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.37	61	3	NQH	06C	30.64	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.64	55	3	NQH	06C	29.65	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.57	72	3	NQH	05C	22.20	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
	0.76	71	3	NQH	05C	21.62	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
41 47	0.93	73	3	NQH	05C	21.37	TEHTEC	BOBBIN	SGAC029	560BOBMULCHF	
	0.70	104	3	NQH	04C	36.87	TEHTEC	BOBBIN	SGAC029	560BOBMULCHF	
41 52	0.47	79	3	NQH	08H	4.58	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
41 55	0.41	86	3	NQH	04H	34.80	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
	0.68	109	3	NQH	08H	17.03	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
41 61	0.62		P 2	18	AV3	-0.03	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
	0.97		P 2	25	AV4	-0.08	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
41 80	0.39	80	3	NQH	03H	16.94	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
41 82	0.62	85	3	NQH	TSH	12.61	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
41 96	0.57	88	3	NQH	02H	7.56	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
41 102	1.10		P 2	27	AV4	-0.08	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
42 24	0.40	80	10	PLP	TSH	0.24	TSHTSH	MRPCTSH	SGAH034	560RPCPP3C	LR

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Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	
42 25	0.29	78	10	PLP	TSH	0.28	TSHTSH	PLPE1	SGAH066	560RPCPP3C	
42 29	0.13	74	10	PLP	TSH	0.65	TSHTSH	PLPE1	SGAH066	560RPCPP3C	
42 30	0.41	78	10	PLP	TSH	0.59	TSHTSH	MRPCTSH	SGAH034	560RPCPP3C	LR
42 33	0.71		P 2	19	AV3	0.05	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
42 46	0.90	96	3	NQH	07C	9.59	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
42 47	0.71	105	3	NQH	03H	4.19	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
42 53	0.78		P 2	22	AV4	-0.15	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
42 57	0.55		P 2	17	AV1	0.03	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
	0.82		P 2	23	AV3	-0.05	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
	1.73		P 2	36	AV4	0.00	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
	2.51		P 2	42	AV5	0.00	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	LR
	2.38		P 2	PID	AV5	0.00	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
42 62	1.91		P 2	37	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
	2.79		P 2	43	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	LR
	4.07		P 2	49	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	LR
	3.33		P 2	46	AV5	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	LR
	3.16		P 2	PID	AV3	0.00	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
	4.75		P 2	PID	AV4	0.00	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
	3.92		P 2	PID	AV5	0.00	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
42 63	0.73		P 2	20	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
	0.41		P 2	13	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
42 77	0.84		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
42 87	0.48	84	3	NQH	07C	4.94	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
42 90	0.77	105	3	NQH	AV2	13.42	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
42 93	0.60		P 2	18	AV3	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
	0.93		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
	1.02		P 2	26	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
42 94	0.36	83	10	PLP	TSH	0.46	TSHTSH	MRPCTSH	SGAH042	560RPCPP3C	LR
42 98	1.44		P 2	31	AV3	-0.03	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	1.42		P 2	31	AV4	0.18	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
42 99	1.67		P 2	34	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	1.66		P 2	34	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
42 101	0.77		P 2	20	AV2	-0.03	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	0.98		P 2	24	AV4	-0.03	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	1.21		P 2	28	AV5	-0.03	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
42 102	0.70		P 2	19	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	1.83		P 2	36	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
	1.20		P 2	28	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	
42 103	0.43	94	3	NQH	02C	36.40	TEHTEC	BOBBIN	SGAC060	560BOBMULCHF	LR
43 47	0.32	74	10	PLP	TSH	0.15	TSHTSH	MRPCTSH	SGAH035	560RPCPP3C	LR
43 51	0.38	98	3	NQH	01C	14.36	TEHTEC	BOBBIN	SGAC029	560BOBMULCHF	
43 64	0.54		P 2	15	AV3	-0.10	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
	0.49		P 2	14	AV4	0.16	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
	0.77		P 2	20	AV5	0.29	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
43 65	0.29	73	3	NQH	AV2	8.33	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
43 67	0.40	95	3	NQH	TSC	11.18	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
43 71	0.76	158	1	TFH	08H	5.52	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
43 80	0.59		P 2	17	AV3	-0.05	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
	0.53		P 2	16	AV4	-0.03	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
	0.32		P 2	10	AV5	-0.08	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
	0.50		P 2	15	AV6	-0.03	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
43 87	0.75		P 2	20	AV2	0.08	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
	0.61		P 2	17	AV4	0.00	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
	0.76		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
43 94	0.38	71	1	NQH	08C	1.91	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
	0.37	85	10	PLP	TSH	0.45	TSHTSH	MRPCTSH	SGAH043	560RPCPP3C	LR
43 97	0.49	103	3	NQH	04H	1.27	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
43 98	0.45		P 2	14	AV4	0.13	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
	0.35		P 2	11	AV5	0.00	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
43 99	0.58		P 2	18	AV4	0.08	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
43 101	0.29	48	3	NQH	02H	2.02	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	
	0.38		P 2	12	AV3	-0.08	TEHTEC	BOBBIN	SGAC061	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
	0.62		P 2	19	AV4	0.08	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
	0.55		P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	LR
43 102	0.46		P 2	15	AV5	-0.05	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
44 24	0.72	53	3	NQH	05C	32.17	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
44 30	0.38	89	3	NQH	05C	4.91	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
44 36	0.41	123	1	NQH	08H	0.84	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
44 41	0.83	146	1	NQH	08H	1.33	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
44 47	0.29	75	10	PLP	TSH	0.20	TSHTSH PLPE1	SGAH066	560RCP3C	
44 60	1.57		P 2	34	AV2	0.00	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	LR
	0.87		P 2	24	AV3	-0.03	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.83		P 2	23	AV4	0.15	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
44 64	0.93		P 2	24	AV2	0.00	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
44 71	1.79		P 2	37	AV5	0.00	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
44 79	0.75	99	3	NQH	07H	29.20	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
44 96	0.44		P 2	12	AV4	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
44 98	0.94		P 2	24	AV2	-0.03	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
	0.59		P 2	16	AV4	0.03	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
45 28	0.44	67	3	NQH	01C	16.81	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
45 37	0.34	91	1	TFH	08H	5.17	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.46	101	3	NQH	03C	29.23	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
45 39	0.50	84	3	NQH	05C	9.21	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
45 53	0.43	76	3	NQH	06C	37.55	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
45 61	0.35	77	3	NQH	07H	1.79	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	1.08	104	3	NQH	06C	8.12	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.42	84	3	NQH	03C	2.86	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
45 62	0.62		P 2	17	AV1	0.10	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	1.18		P 2	27	AV2	-0.16	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	1.53		P 2	31	AV3	0.16	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	2.53		P 2	40	AV4	0.00	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	LR
	1.63		P 2	32	AV5	0.00	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	LR
	1.74		P 2	33	AV6	-0.26	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	2.36		P 2	PID	AV4	0.00	TEHTEC BOBBIN	SGAC079	560BOBMULCHF	
45 98	0.73		P 2	21	AV4	0.03	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
45 99	0.47		P 2	15	AV4	-0.08	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
46 28	0.21	66	3	NQH	02H	36.49	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
46 31	0.56	87	3	NQH	04C	11.75	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
46 35	0.56	90	3	NQH	07H	2.63	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
	0.43	99	3	NQH	02C	22.48	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
46 38	0.31	91	3	NQH	03H	38.90	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
	0.55	92	3	NQH	04H	26.75	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
	0.41	107	3	NQH	05H	13.97	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
46 46	0.30	80	10	PLP	TSH	0.24	TSHTSH MRPCTSH	SGAH034	560RCP3C	LR
46 47	0.35	78	10	PLP	TSH	0.24	TSHTSH MRPCTSH	SGAH034	560RCP3C	LR
46 55	0.75	113	3	NQH	01C	3.82	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
46 57	0.32	88	3	NQH	04H	5.21	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
46 77	0.43	88	3	NQH	02C	16.60	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
46 86	0.59	86	3	NQH	03H	21.46	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
46 89	0.50	75	3	NQH	01C	12.76	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	LR
46 99	0.79		P 2	21	AV5	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
47 29	2.52	76	6	NQH	07H	33.86	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
47 40	0.89	112	3	NQH	07H	33.86	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
47 42	0.40	99	3	NQH	TSC	12.74	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
47 44	0.42	96	3	NQH	AV5	17.92	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
47 64	0.37	37	1	TFH	AV6	18.13	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
47 84	0.74	106	3	NQH	04C	5.91	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
47 86	0.81	64	3	NQH	TSH	18.06	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
47 96	0.42	63	3	NQH	02C	16.41	TEHTEC BOBBIN	SGAC061	560BOBMULCHF	
47 99	0.55		P 2	15	AV6	0.00	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
48 26	0.28	85	3	NQH	06H	24.63	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
48 28	0.40	93	3	NQH	07C	9.80	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.53	103	3	NQH	07C	9.08	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.25	96	3	NQH	04C	16.01	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
48 31	0.52	97	3	NQH	04C	14.68	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.28	96	3	NQH	04H	5.70	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.39	70	3	NQH	02C	29.23	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
48 32	0.29	112	3	NQH	04C	20.35	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.44	108	3	NQH	04C	19.76	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
	0.27	109	3	NQH	04C	18.33	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
48 35	0.49	82	3	NQH	02C	16.84	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
48 36	0.66	130	P 1	DSS	08H	-0.47	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
48 39	0.32	98	3	NQH	03H	21.35	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
48 41	0.59	62	1	NQH	08H	5.42	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
48 42	0.40	102	3	NQH	03C	18.73	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
48 43	0.66	86	3	NQH	06C	15.30	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
48 60	0.28	77	3	NQH	03C	15.15	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
48 64	0.34	68	3	NQH	TSH	17.42	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.43	105	3	NQH	AV2	14.25	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.33	80	3	NQH	04C	33.74	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
48 72	0.23	83	10	PLP	TSH	0.79	TSHTSH MRPCTSH	SGAH042	560RPP3C	LR
48 81	0.30	75	3	TFH	AV6	19.43	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
	0.35	94	3	TFH	AV6	19.09	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
48 82	0.38	110	3	NQH	02H	34.84	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
48 86	0.43	68	3	NQH	05H	29.01	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
48 97	0.33		P 2	23	AV1	-0.11	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
	7.34		P 3	61	AV2	-0.09	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
	0.66		P 2	36	AV3	-0.02	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
	5.98		P 3	56	AV4	-0.11	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
	20.21		P 3	82	AV5	-0.02	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
	0.95		P 2	43	AV6	-0.02	TSHTEC BOBPLG	SGAC086	560BOBMULCHF	
49 51	0.31	79	3	NQH	02C	16.78	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
49 52	0.32	80	3	NQH	03H	25.91	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
49 59	0.68	107	3	NQH	05H	8.81	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
49 64	0.40	87	3	NQH	06C	19.09	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
49 71	0.26	78	1	TFH	AV6	21.19	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
	0.38	91	3	NQH	04C	35.96	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
49 72	0.36	81	1	NQH	02C	4.73	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
	0.19	76	10	PLP	TSH	0.78	TSHTSH MRPCTSH	SGAH043	560RPP3C	LR
49 75	0.67	93	3	NQH	04H	14.20	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
	0.29	74	3	NQH	07C	36.77	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
49 77	0.36	95	3	VOL	TSH	3.17	TSHTSH MRPCTSH	SGAH043	560RPP3C	LR
49 78	0.52	80	3	NQH	07H	25.80	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
49 81	0.42	64	3	NQH	TSH	14.20	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.53	86	1	NQH	AV6	20.61	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.40	105	3	NQH	04C	38.52	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.41	77	3	NQH	02C	2.56	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	1.44	50	3	NQH	02C	1.98	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.39	76	3	NQH	02C	1.38	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
49 83	0.52	108	3	NQH	05H	15.76	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.37	95	3	NQH	04C	34.70	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.33	95	3	NQH	02C	32.24	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
49 85	0.22	85	3	NQH	02C	4.05	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
49 88	0.38	86	3	NQH	AV1	1.09	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
49 91	2.09	80	6	NQH	AV5	1.02	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
49 95	1.12	40	3	NQH	04C	-0.60	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
49 96	0.43	108	3	NQH	04C	12.33	TEHTEC BOBBIN	SGAC060	560BOBMULCHF	
50 29	0.43	51	3	NQH	02H	5.77	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
50 44	1.20		P 2	28	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
50 50	0.80		P 2	21	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
50 51	0.82		P 2	21	AV3	0.00	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
	1.68		P 2	34	AV4	0.00	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
	0.61		P 2	17	AV5	0.00	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
50 54	1.94		P 2	38	AV2	0.05	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	1.72		P 2	36	AV3	0.33	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	3.78		P 2	48	AV4	0.08	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	LR

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Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
50	58		P 2	34	AV5	-0.05	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
			P 2	PID	AV4	0.08	TEHTEC BOBBIN	SGAC079	560BOBMULCHF	
			3	NQH	05H	33.91	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
			3	NQH	03C	33.07	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
50	60		3	NQH	07H	26.42	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
			P 2	32	AV2	0.18	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
			P 2	44	AV3	0.25	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	LR
			P 3	51	AV4	-0.10	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	LR
			P 2	44	AV5	-0.20	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	LR
			P 2	PID	AV3	0.25	TEHTEC BOBBIN	SGAC079	560BOBMULCHF	
			P 2	PID	AV4	-0.10	TEHTEC BOBBIN	SGAC079	560BOBMULCHF	
			P 2	PID	AV5	-0.20	TEHTEC BOBBIN	SGAC079	560BOBMULCHF	
50	64		P 2	27	AV2	0.00	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
			P 2	21	AV3	0.00	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
			P 2	20	AV4	0.00	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
			P 2	35	AV5	-0.03	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
50	67	106	3	NQH	02H	8.03	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
50	73	72	3	NQH	03C	4.88	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
50	76		P 2	22	AV2	0.00	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
			P 2	19	AV3	0.00	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
50	82		P 2	19	AV2	0.00	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
			P 2	22	AV3	0.00	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
			P 2	18	AV4	0.00	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
50	86		P 2	12	AV2	0.00	TECTEH BOBBIN	SGAH062	560BOBMULCHF	
50	87		P 2	29	AV2	-0.08	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
50	90		P 2	36	AV2	-0.05	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	LR
			P 2	32	AV3	-0.03	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
			P 2	15	AV5	0.00	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
50	91		P 2	33	AV2	-0.03	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
			P 2	27	AV3	0.00	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
50	94		P 2	14	AV1	0.00	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
			P 2	30	AV3	-0.11	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
			P 2	42	AV5	0.00	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
			P 2	25	AV6	-0.11	TSHTEC BOBDPLG	SGAC086	560BOBMULCHF	
51	54	74	3	NQH	02H	10.38	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
51	63		P 2	36	AV2	0.24	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
			P 2	16	AV3	0.03	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
			P 2	22	AV4	0.00	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	LR
51	66		P 2	13	AV3	0.16	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
			3	NQH	05C	33.09	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
51	75	100	3	NQH	02H	16.73	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
			3	NQH	02C	12.38	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	
51	79	70	6	NQH	05C	10.75	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
51	81	79	6	NQH	04C	15.78	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
51	83	72	3	NQH	02H	5.63	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
51	84	106	3	NQH	01H	5.58	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
			3	NQH	02H	11.95	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
			3	NQH	AV5	21.97	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
52	32		1	TFH	08H	6.22	TEHTEC BOBBIN	SGAC017	560BOBMULCHF	
52	41		3	NQH	05H	3.29	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
52	55	120	3	NQH	07H	5.09	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
52	56	60	1	NQH	08H	5.07	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
52	57	91	1	NQH	08H	4.95	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
52	65	113	3	NQH	AV6	2.61 To 26.69	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	LR
			3	NQH	07C	7.75 To 39.42	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
52	66		P 2	22	AV4	0.00	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
52	70	112	3	NQH	03H	28.85	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
52	88	90	3	NQH	03H	10.97	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
			3	NQH	03H	13.02	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
52	91	74	6	NQH	06C	21.42	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
53	33		P 2	36	AV5	0.00	TEHTEC BOBBIN	SGAC018	560BOBMULCHF	
53	34	110	3	NQH	AV4	12.69	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
53 38	0.23	103	1	NQH	AV6	7.17	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.32	98	3	NQH	04C	34.11	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.43	84	3	NQH	04C	33.48	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.74	96	3	NQH	03C	33.54	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
	0.25	89	3	NQH	03C	29.40	TEHTEC BOBBIN	SGAC022	560BOBMULCHF	
53 41	0.59	96	3	NQH	04C	35.76	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
53 46	0.51	100	3	NQH	04C	3.19	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
	0.46	100	3	NQH	03C	15.24	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
53 49	0.44	47	3	NQH	02H	16.40	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
53 55	0.46	93	3	NQH	03C	21.92	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.58	83	3	NQH	02C	3.07	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
53 56	0.33	98	3	NQH	06H	31.73	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
53 78	0.47	48	3	NQH	06H	35.74	TEHTEC BOBBIN	SGAC035	560BOBMULCHF	LR
53 79	0.56	99	3	NQH	AV4	11.87	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.47	72	3	NQH	07C	23.25	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.50	91	3	NQH	05C	20.64	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.70	102	3	NQH	05C	19.99	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.44	95	3	NQH	03C	15.30	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
53 80	3.57	85	6	NQH	AV3	1.09	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
53 81	0.40		P 2	12	AV1	0.05	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.87		P 2	23	AV3	0.03	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
53 82	0.31	78	3	NQH	02C	27.32	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.56	95	3	NQH	02C	21.27	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
	0.38	91	3	NQH	01C	9.61	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	
53 86	1.94		P 2	36	AV2	0.05	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	2.62		P 2	41	AV3	0.00	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	LR
	2.10		P 2	38	AV4	0.00	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	0.76	146	1	TFS	AV6	20.84	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	
	2.63		P 2	PID	AV3	0.00	TEHTEC BOBBIN	SGAC081	560BOBMULCHF	
53 88	0.88	39	3	NQH	06C	3.16	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	LR
	0.39	84	3	NQH	06C	2.54	TEHTEC BOBBIN	SGAC059	560BOBMULCHF	LR
54 35	0.70		P 2	19	AV5	-0.13	TEHTEC BOBBIN	SGAC021	560BOBMULCHF	
54 42	0.43	44	3	NQH	02H	35.36	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
54 43	0.47	105	3	NQH	06H	9.80	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
54 55	0.43	92	3	NQH	03C	20.80	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.73	70	3	NQH	02C	7.21	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
54 60	0.93	120	3	NQH	06C	33.68	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.49	95	3	NQH	04C	36.25	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
54 61	0.28	121	3	NQH	05H	36.63	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.39	95	3	NQH	04C	2.23	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
54 62	0.94	61	3	NQH	02C	25.49	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
54 68	0.55	115	3	NQH	02H	3.77	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.48	108	3	NQH	02H	32.86	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.45	112	3	NQH	04C	15.36	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.37	117	3	NQH	02C	25.88	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
54 71	3.33	75	6	NQH	06H	25.64	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
54 76	0.75	107	3	NQH	07H	20.40	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
54 78	0.50	101	3	NQH	05H	36.39	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
54 79	1.06	107	3	NQH	03C	18.09	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
	0.72	46	3	NQH	02C	23.08	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
54 81	1.56	143	1	TFH	AV6	22.04	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
54 82	0.49	83	1	TFH	AV6	21.46	TEHTEC BOBBIN	SGAC036	560BOBMULCHF	
54 85	0.43	106	3	NQH	06H	8.05	TEHTEC BOBBIN	SGAC058	560BOBMULCHF	
55 58	0.67	152	1	NQH	08H	7.60	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
55 59	0.14	130	1	NQH	AV6	26.04	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
55 64	0.18	65	3	NQH	07H	29.67	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.39	40	3	NQH	07H	30.89	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.53	53	3	NQH	07H	31.56	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.44	35	3	NQH	07H	33.28	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
55 71	0.41	82	10	PLP	TSH	0.54	TSHTSH MRPCTSH	SGAH043	560RPCPP3C	LR
55 72	0.43	80	10	PLP	TSH	0.48	TSHTSH MRPCTSH	SGAH043	560RPCPP3C	LR
55 81	1.30	59	3	NQH	02C	26.93	TEHTEC BOBBIN	SGAC037	560BOBMULCHF	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
56 43	0.43	106	3	NQH	03H	36.54	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
56 52	0.49	75	3	NQH	06C	5.75	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
56 53	0.36	84	3	NQH	02H	32.78	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.31	82	3	NQH	06C	12.92	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
56 54	0.46	104	3	NQH	06C	9.55	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
56 55	0.34	104	3	NQH	03H	12.20	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
	0.44	105	3	NQH	01C	-1.47	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
56 57	0.43	98	3	NQH	07H	5.68	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
56 72	0.22	86	10	PLP	TSH	0.31	TSHTSH PLPE1	SGAH066	560RPP3C	
56 73	0.39	85	10	PLP	TSH	0.34	TSHTSH PLPE2	SGAH074	560RPP3C	
56 77	0.36	91	1	TFH	08H	6.75	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
57 47	0.69	62	3	NQH	08H	6.80	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
57 49	0.40	66	3	NQH	03C	39.00	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
57 50	1.28	107	3	NQH	03C	38.35	TEHTEC BOBBIN	SGAC029	560BOBMULCHF	
57 54	0.55	85	3	NQH	08H	7.80	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
57 57	0.51	101	3	NQH	01H	15.10	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
57 59	0.63	142	1	NQH	AV6	21.92	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
57 61	1.10	147	1	NQH	08H	7.41	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
57 64	0.27	95	3	NQH	03H	17.61	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.48	92	3	NQH	03H	22.09	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.61	74	3	NQH	08H	11.59	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
57 66	0.58	92	3	NQH	03H	3.61	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
	0.36	101	3	NQH	03H	5.61	TEHTEC BOBBIN	SGAC033	560BOBMULCHF	
58 47	0.53	48	3	NQH	02H	33.89	TEHTEC BOBBIN	SGAC028	560BOBMULCHF	
58 54	0.39	86	3	NQH	02H	35.87	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
58 55	0.51	49	3	NQH	02H	35.52	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
58 57	0.48	100	3	NQH	04C	8.59	TEHTEC BOBBIN	SGAC030	560BOBMULCHF	
58 66	0.40	84	3	NQH	05H	10.63	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.74	105	3	NQH	05C	11.12	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
58 69	0.30	50	3	NQH	05C	13.82	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.20	76	3	NQH	05C	11.37	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
	0.30	44	3	NQH	01C	12.46	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	
58 74	0.69	74	3	NQH	05H	6.24	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
	2.35	70	6	NQH	08C	1.84	TEHTEC BOBBIN	SGAC034	560BOBMULCHF	
59 61	0.33	62	3	NQH	02H	36.83	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
	0.69	90	3	NQH	AV3	22.82	TEHTEC BOBBIN	SGAC031	560BOBMULCHF	
59 64	0.40	77	3	NQH	06C	18.72	TEHTEC BOBBIN	SGAC032	560BOBMULCHF	

TOTAL TUBES: 542

Docket No. 50-423
B17962

Attachment 3

Millstone Nuclear Power Station, Unit No. 3

Steam Generator C

February 2000

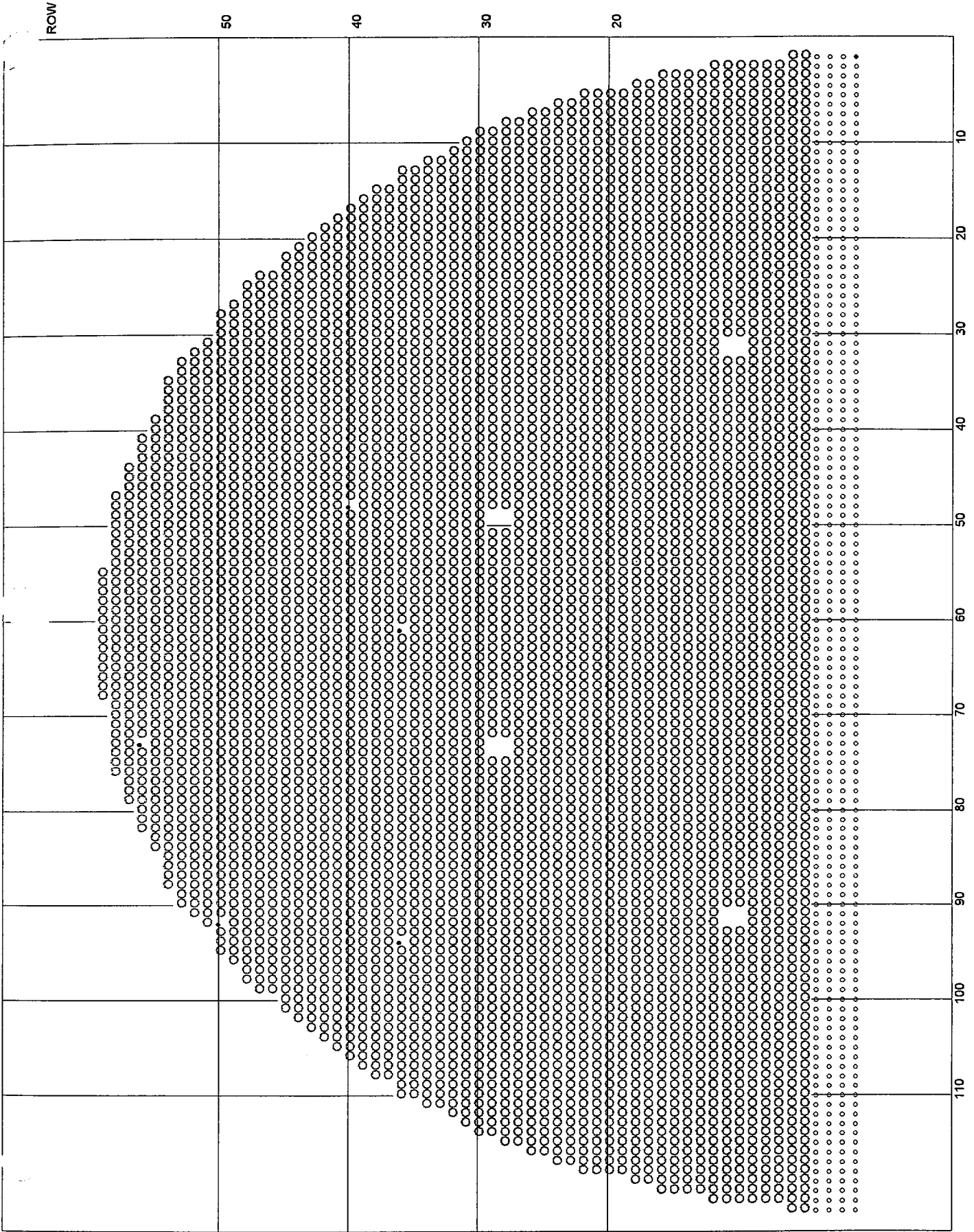
Attachment 3 Steam Generator C

Section	Description
3-1	Bobbin Inspection Plan Full Length (Map) 08H-TEH (Map) 08H-TEC & 08C-TEC Map
3-2	AVB Flaws Location (Map) Distribution Table by Depth and Location Depth Histograms (Figure) ECT Report
3-3	Dents HL Straight Section (Map) Dents-at AVB (Map) CL Straight Section (Map) Distribution Table by Location and Voltage Voltage Histogram (Figure)
3-4	Dings HL Straight Section (Map) U-Bend Region (Map) CL Straight Section (Map) Distribution Table by Location and Voltage Voltage Histogram (Figure)
3-5	MRPC HL Tubesheet Expansion (Map) U-Bend MRPC Exams (Map) MRPC Exam of FTI Plugs (Map)
3-6	Tube Plugging Tubes Plugged RFO6 (Map) Map of all Tubes Plugged
3-7	ECT Results All indications

Attachment 3-1

Bobbin Inspection Plan

Full Length (Map)
08H-TEH (Map)
08H-TEC & 08C-TEC Map



COL

O : 5133 : BOBBIN FIL EXAM

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/17/99

6 Plugged

ABB CENO

ROW

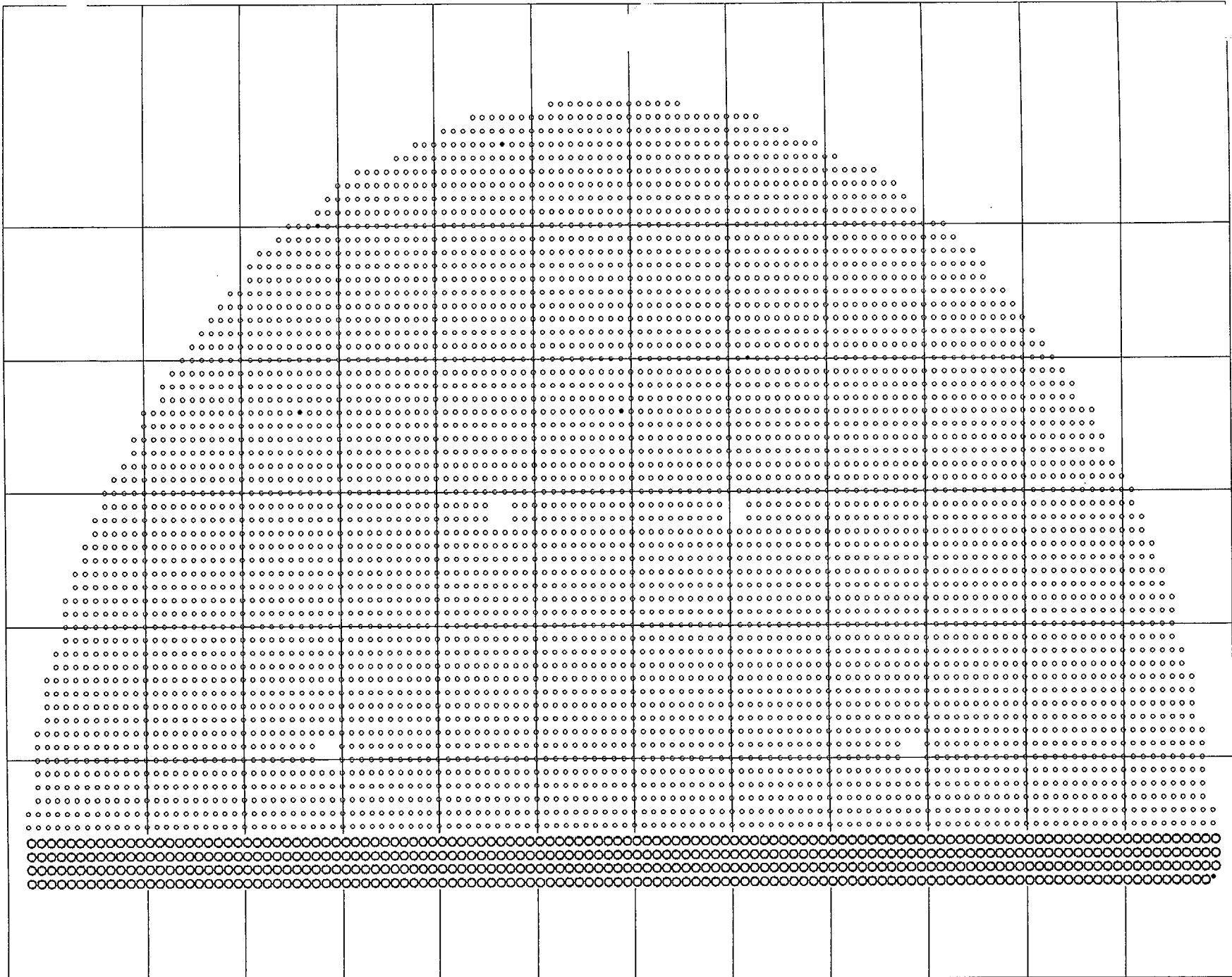
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20

10



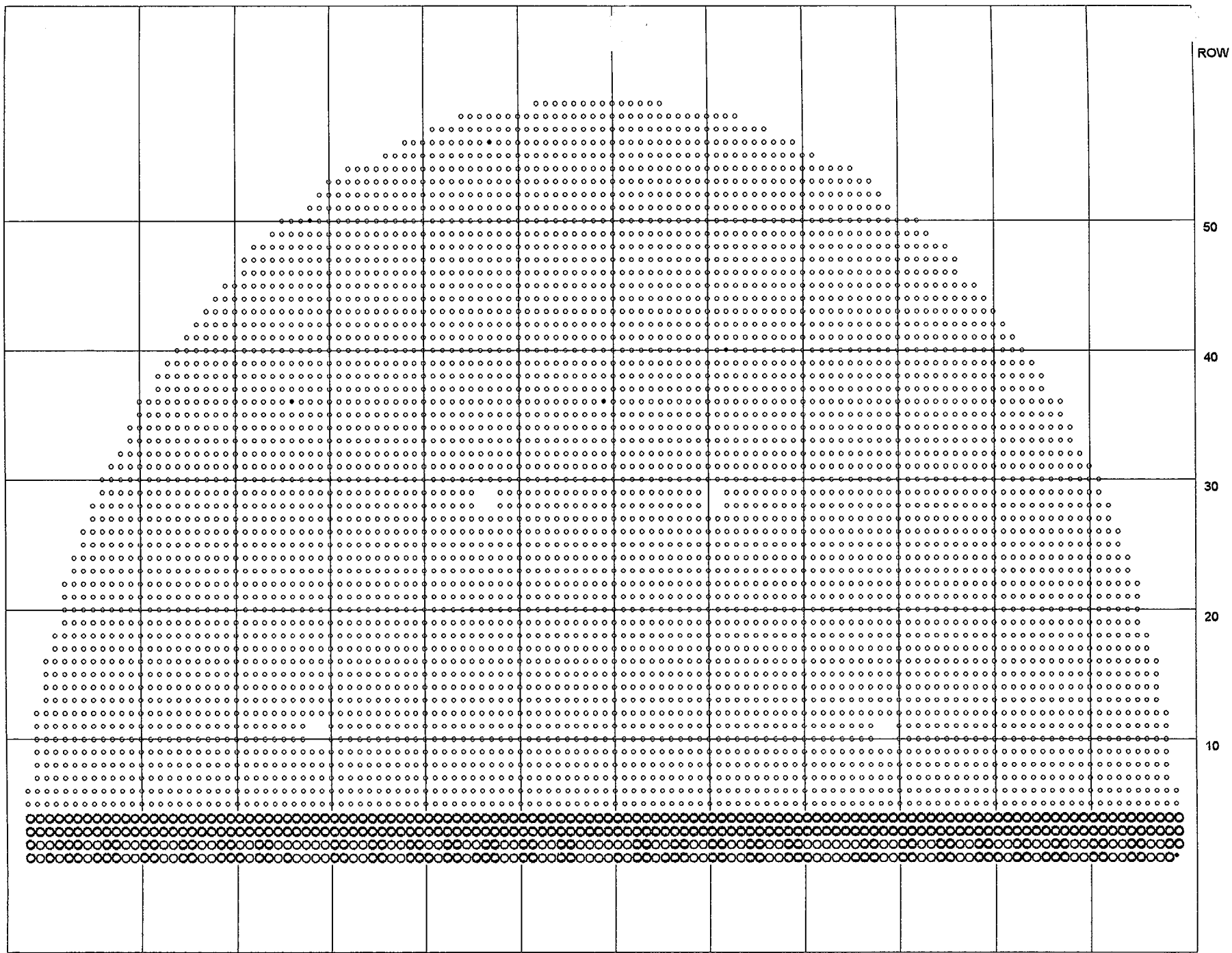
COL

110 100 90 80 70 60 50 40 30 20 10

O : 487 : BOBBIN EXAM H/L 08HTEH

NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/17/99
ABB CENO

6 Plugged



O : 121 : BOBBIN EXAM C/L 08CTEC
 O : 366 : BOBBIN EXAM C/L 08HTEC

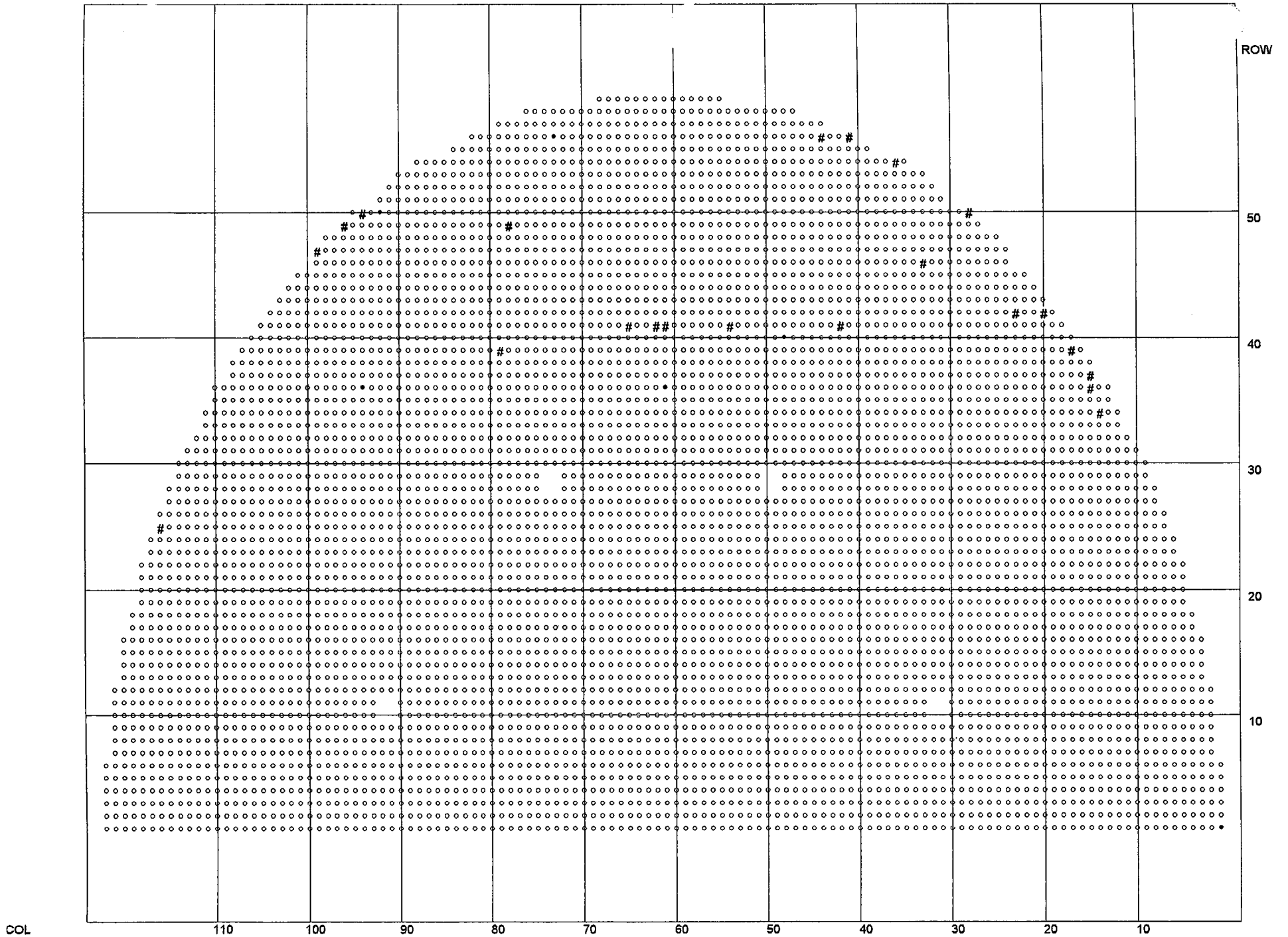
NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/17/99 ABB CENO
--

6 Plugged

Attachment 3-2

AVB Flaws

Location (Map)
Distribution Table by Depth and Location
Depth Histograms (Figure)
ECT Report



#: 10: SGC 1-19%TW
 #: 11: SGC 20-39%TW
 #: 1: SGC 40-100%TW

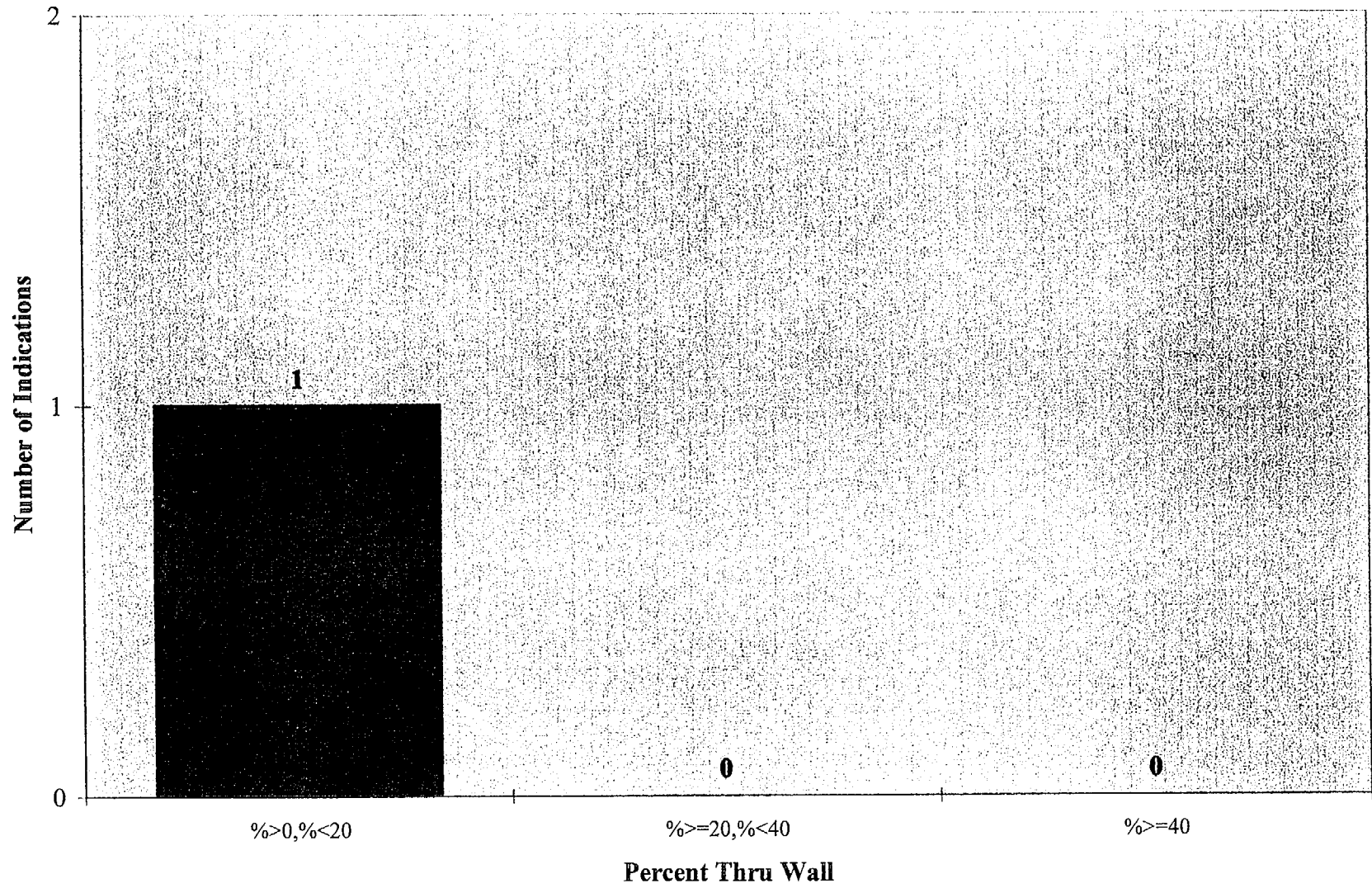
NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/17/99
 ABB CENO

6 Plugged

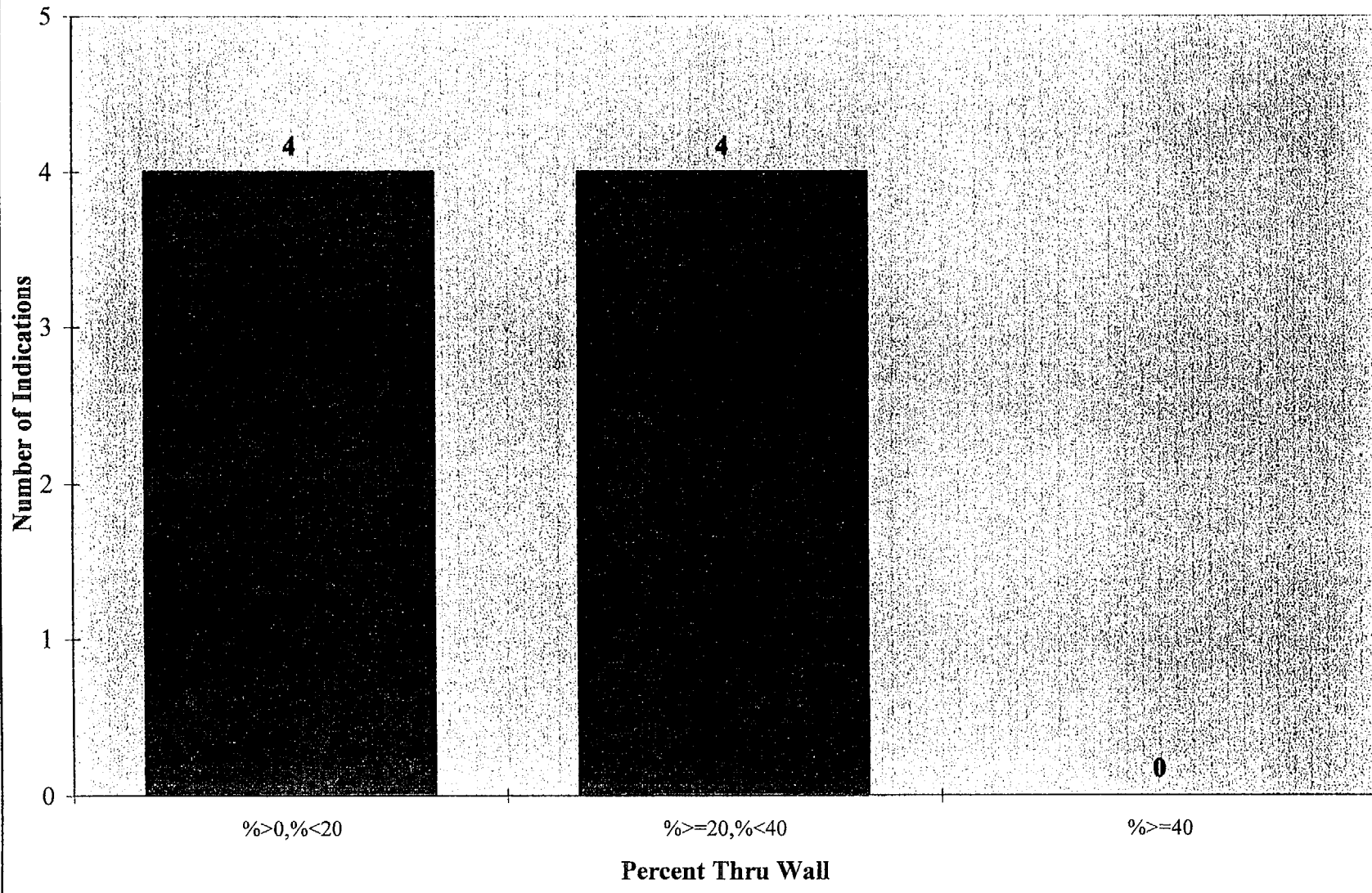
**STEAM GENERATOR C's
TOTAL NUMBER OF PERCENT THRU WALL AT EACH AVB SUPPORT**

Percent Thru Wall	AV1	AV2	AV3	AV4	AV5	AV6	Total Per Percentage Range
1-19%	1	4	6	7	5	10	33
20-39%	0	4	5	6	9	1	25
GE 40%	0	0	0	1	0	0	1
Total Per Support	1	8	11	14	14	11	59

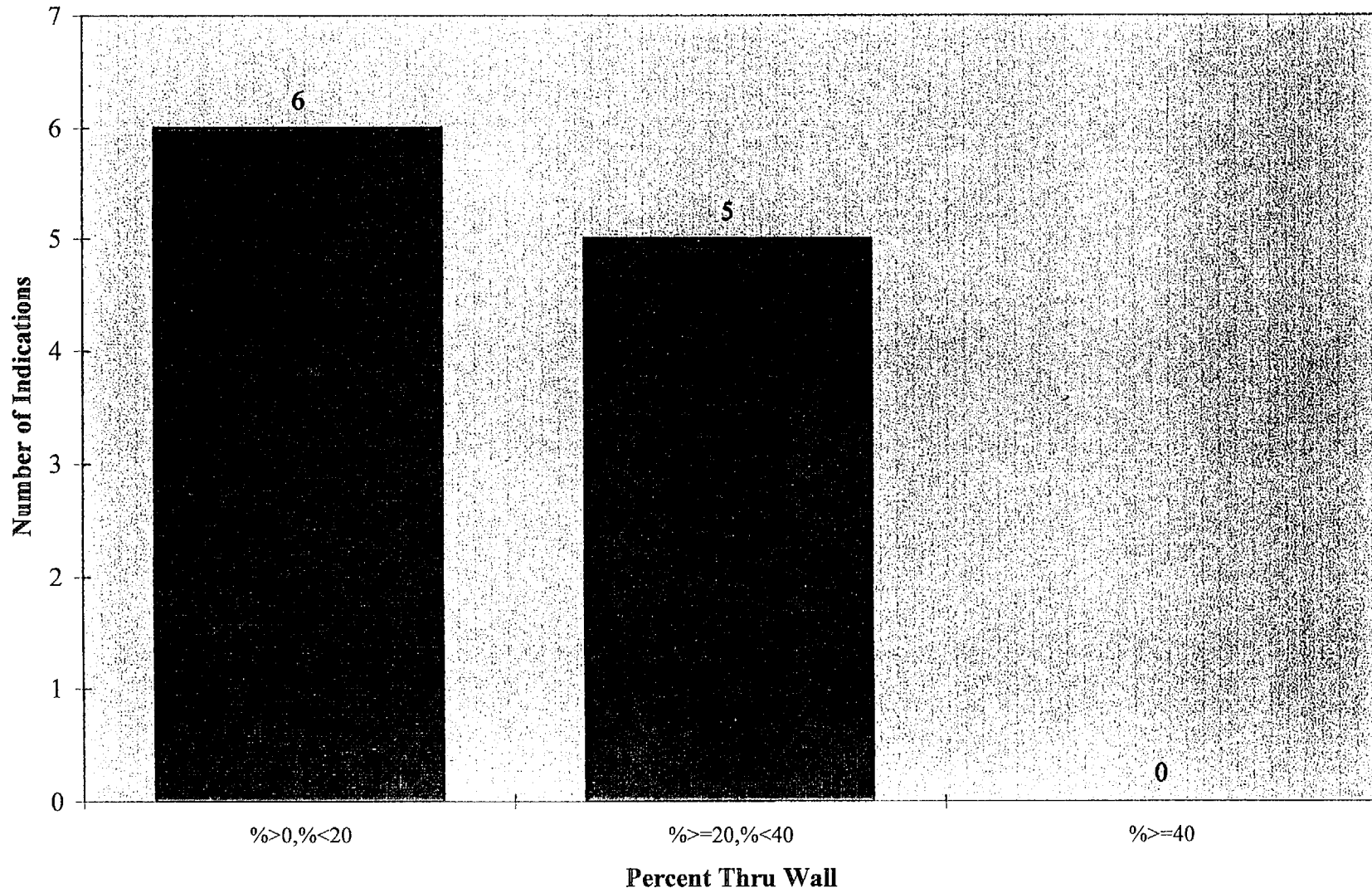
Steam Generator C
Distribution of Percent Thru Wall at Support AV1



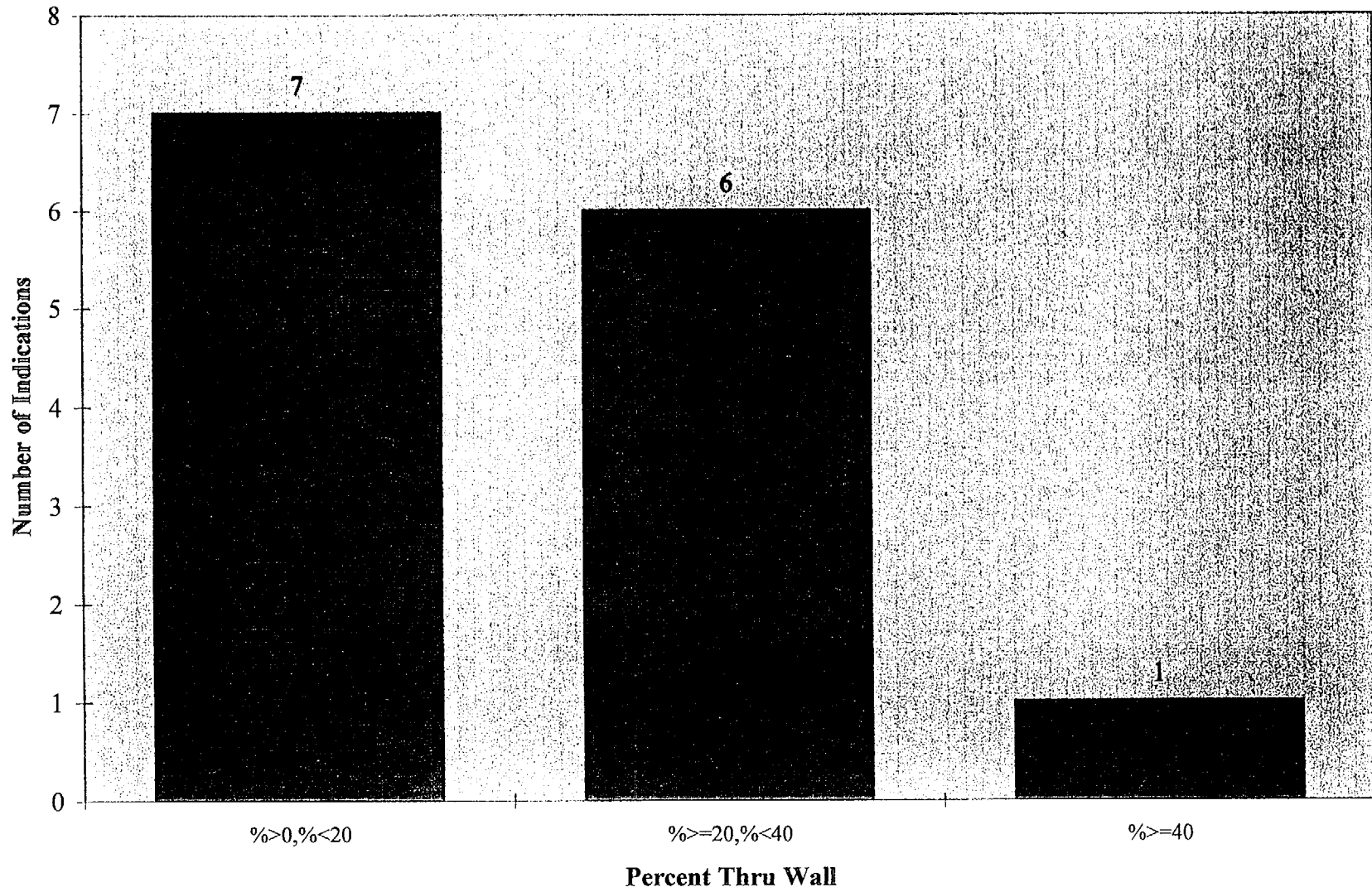
Steam Generator C
Distribution of Percent Thru Wall at Support AV2



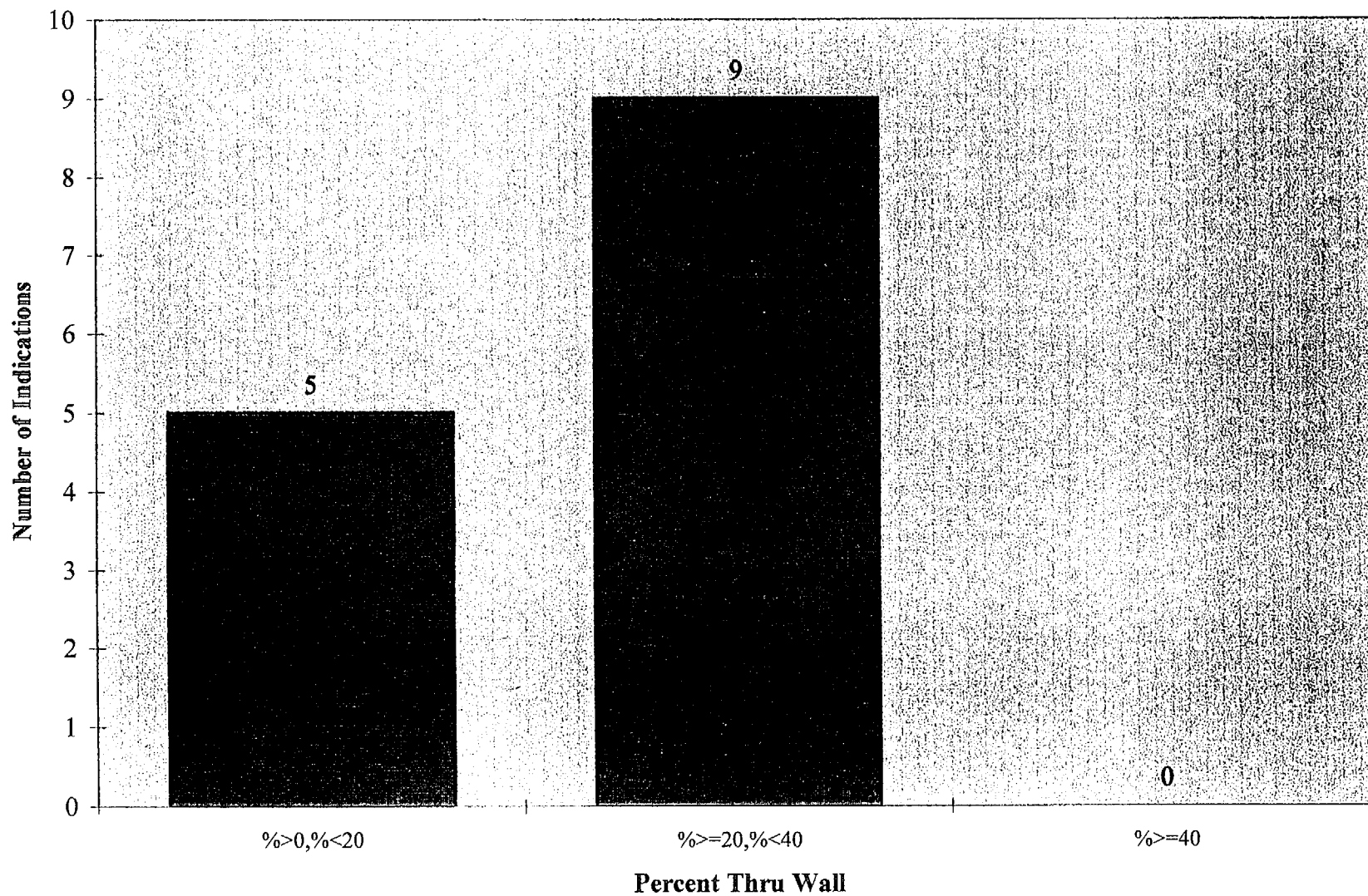
Steam Generator C
Distribution of Percent Thru Wall at Support AV3



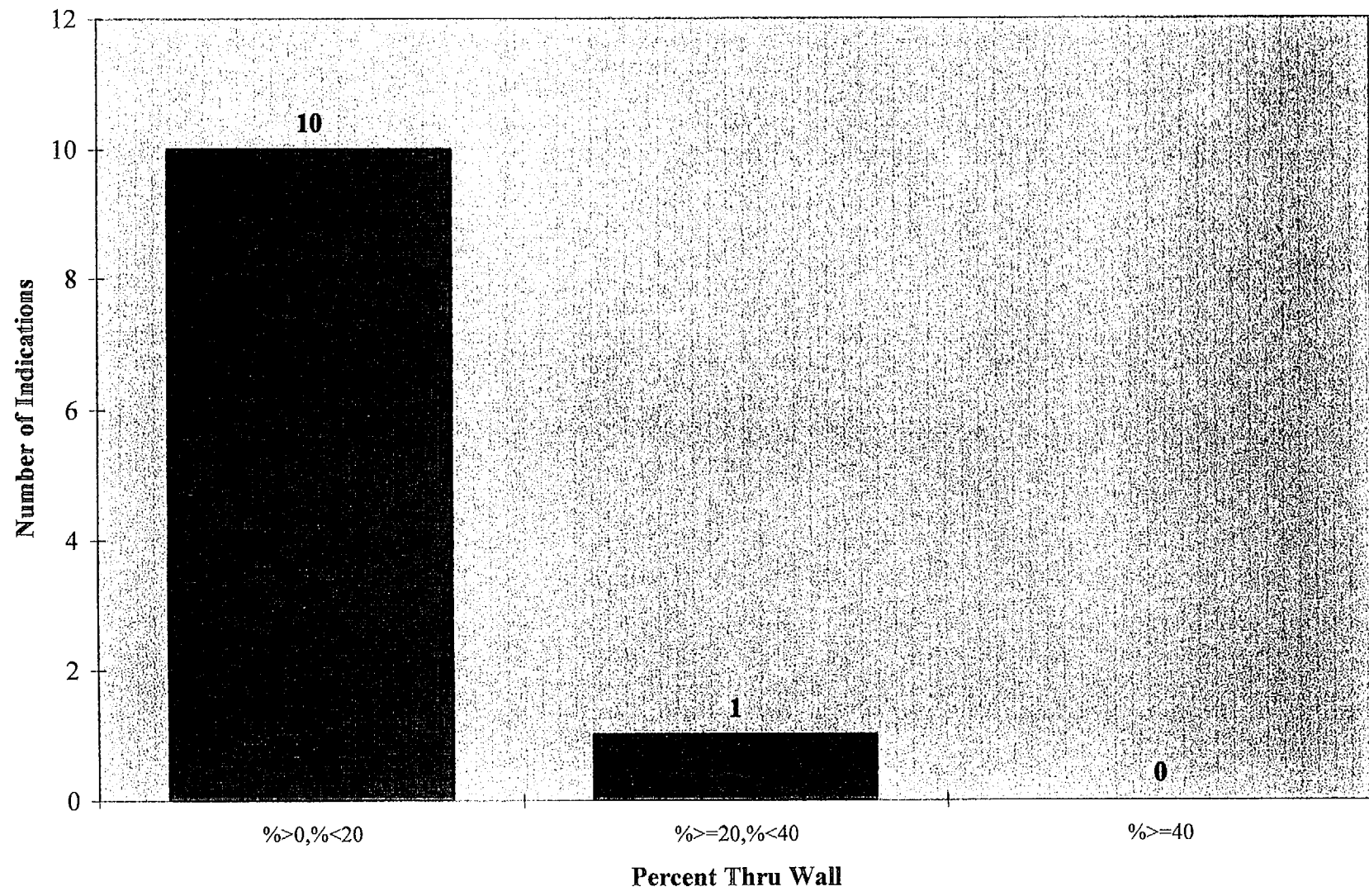
Steam Generator C
Distribution of Percent Thru Wall at Support AV4



Steam Generator C
Distribution of Percent Thru Wall at Support AV5



Steam Generator C
Distribution of Percent Thru Wall at Support AV6



INDICATIONS/TRENDING REPORT

MILLSTONE 3

OUTAGE : 9905

COMPONENT : SG_C

DESCRIPTION : 1999 AVB Wear Growth

Page : 1

Date : 5/17/99

Time : 16:36:21

Row	Col	Leg	***	Extent Tst/Note	Reel	Probe	Location	9905					96-1				
								Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
34	14	C		TEHTEC	SGCC009	560BOBMULCH	AV2 .0	.4	P 2	10	-7	AV2	.0	.6	P 2	17	
		C		TEHTEC	SGCC009	560BOBMULCH	AV5 .0	.4	P 2	10	-5	AV5	.0	.5	P 2	15	
36	15	C		TEHTEC	SGCC009	560BOBMULCH	AV5 .0	.4	P 2	8	-6	AV5	.0	.5	P 2	14	
		C		TEHTEC	SGCC009	560BOBMULCH	AV6 .0	.5	P 2	11	-2	AV6	.0	.5	P 2	13	
37	15	C		TEHTEC	SGCC035	560BOBMULCH	AV2 .0	1.1	P 2	26	NO	AV2	.0	.9	P 2	26	
		C		TEHTEC	SGCC035	560BOBMULCH	AV3 .0	.4	P 2	11	NO	AV3	.0	.4	P 2	11	
		C		TEHTEC	SGCC035	560BOBMULCH	AV4 .0	.4	P 2	12	-1	AV4	.0	.5	P 2	13	
		C		TEHTEC	SGCC035	560BOBMULCH	AV5 .0	1.3	P 2	29	5	AV5	.0	1.1	P 2	24	
		C		TEHTEC	SGCC035	560BOBMULCH	AV6 .0	.6	P 2	18	3	AV6	.0	.6	P 2	15	
39	17	C		TEHTEC	SGCC035	560BOBMULCH	AV2 .0	.7	P 2	20	2	AV2	.0	.7	P 2	18	
		C		TEHTEC	SGCC035	560BOBMULCH	AV4 .0	.9	P 2	23	NO	AV4	.0	1.0	P 2	23	
		C		TEHTEC	SGCC035	560BOBMULCH	AV5 .0	1.0	P 2	24	2	AV5	.0	.9	P 2	22	
		C		TEHTEC	SGCC035	560BOBMULCH	AV6 .0	.6	P 2	17	4	AV6	.0	.4	P 2	13	
42	20	C		TEHTEC	SGCC034	560BOBMULCH	AV2 .0	.8	P 2	20	2	AV2	.0	.8	P 2	18	
		C		TEHTEC	SGCC034	560BOBMULCH	AV3 .0	1.0	P 2	24	NO	AV3	.0	1.1	P 2	24	
		C		TEHTEC	SGCC034	560BOBMULCH	AV4 .0	1.0	P 2	23	NO	AV4	.0	1.1	P 2	23	
		C		TEHTEC	SGCC034	560BOBMULCH	AV5 .0	1.2	P 2	26	1	AV5	.0	1.2	P 2	25	
		C		TEHTEC	SGCC034	560BOBMULCH	AV6 .0	.6	P 2	17	-2	AV6	.0	.9	P 2	19	
42	23	C		TEHTEC	SGCC034	560BOBMULCH	AV3 .0	.9	P 2	21	-1	AV3	.0	1.0	P 2	22	
		C		TEHTEC	SGCC034	560BOBMULCH	AV4 .0	1.5	P 2	29	NO	AV4	.0	1.4	P 2	29	
		C		TEHTEC	SGCC034	560BOBMULCH	AV5 .0	1.3	P 2	28	-2	AV5	.0	1.5	P 2	30	
50	28	C		TEHTEC	SGCC034	560BOBMULCH	AV2 .0	.4	P 2	11	-3	AV2	.0	.5	P 2	14	
		C		TEHTEC	SGCC034	560BOBMULCH	AV3 .0	.4	P 2	11							
		C		TEHTEC	SGCC034	560BOBMULCH	AV4 .0	.4	P 2	11							
		C		TEHTEC	SGCC034	560BOBMULCH	AV5 .0	.9	P 2	20	2	AV5	.0	.7	P 2	18	
		C		TEHTEC	SGCC034	560BOBMULCH	AV6 .0	.5	P 2	14							
46	33	C		TEHTEC	SGCC034	560BOBMULCH	AV6 .0	.8	P 2	19	19	AV6	.5	.8	170	1 INR	
54	36	C		TEHTEC	SGCC036	560BOBMULCH	AV3 .0	.5	P 2	12	-1	AV3	.0	.5	P 2	13	
		C		TEHTEC	SGCC036	560BOBMULCH	AV4 .0	.7	P 2	15	-4	AV4	.0	.8	P 2	19	
56	41	C		TEHTEC	SGCC041	560BOBMULCH	AV2 .0	.6	P 2	17	4	AV2	.0	.6	P 2	13	
		C		TEHTEC	SGCC041	560BOBMULCH	AV4 .0	.7	P 2	19	5	AV4	.0	.7	P 2	14	
		C		TEHTEC	SGCC041	560BOBMULCH	AV5 .0	1.0	P 2	25	3	AV5	.0	1.2	P 2	22	
		C		TEHTEC	SGCC041	560BOBMULCH	AV6 .0	.6	P 2	17	2	AV6	.0	.7	P 2	15	
41	42	C		TEHTEC	SGCC042	560BOBMULCH	AV3 .0	.8	P 2	21	2	AV3	.0	1.0	P 2	19	
56	44	C		TEHTEC	SGCC041	560BOBMULCH	AV4 .0	.6	P 2	14	1	AV4	.0	.6	P 2	13	
41	54	C		TEHTEC	SGCC040	560BOBMULCH	AV1 .0	.4	P 2	13	NO	AV1	.0	.4	P 2	13	
		C		TEHTEC	SGCC040	560BOBMULCH	AV3 .0	.5	P 2	15	-4	AV3	.0	.8	P 2	19	
		C		TEHTEC	SGCC040	560BOBMULCH	AV4 .0	.4	P 2	13	-6	AV4	.0	.7	P 2	19	
		C		TEHTEC	SGCC040	560BOBMULCH	AV5 .0	.6	P 2	17	-9	AV5	.0	1.1	P 2	26	
41	61	C		TEHTEC	SGCC040	560BOBMULCH	AV3 .0	.7	P 2	19	-5	AV3	.0	1.0	P 2	24	
		C		TEHTEC	SGCC040	560BOBMULCH	AV4 .0	1.9	P 2	35	-2	AV4	.0	2.0	P 2	37	
		C		TEHTEC	SGCC040	560BOBMULCH	AV5 .0	1.9	P 2	35	NO	AV5	.0	1.8	P 2	35	
41	62	C		TEHTEC	SGCC044	540BOBMULCH	AV2 .0	.9	P 2	24	3	AV2	.0	1.1	P 2	21	

INDICATIONS/TRENDING REPORT

MILLSTONE 3

OUTAGE : 9905

COMPONENT : SG_C

DESCRIPTION : 1999 AV8 Wear Growth

Page : 2

Date : 5/17/99

Time : 16:36:26

Row	Col	Leg	***	Extent Tst/Note	Reel	Probe	9905					96-1					
							Location	Volts	Deg	Ch	%	Diff	Location	Volts	Deg	Ch	%
		C		TEHTEC	SGCC044	540BOBMULCH	AV3	.0	.8	P 2	22	5	AV3	.0	.8	P 2	17
		C		TEHTEC	SGCC044	540BOBMULCH	AV4	.0	.8	P 2	23	5	AV4	.0	.9	P 2	18
		C		TEHTEC	SGCC044	540BOBMULCH	AV5	.0	1.4	P 2	31	4	AV5	.0	1.5	P 2	27
41	65	C		TEHTEC	SGCC044	540BOBMULCH	AV4	.0	.4	P 2	13	-2	AV4	.4	.7	P 2	27
		C		TEHTEC	SGCC044	540BOBMULCH	AV5	.0	.4	P 2	14	-3	AV5	.0	.8	P 2	17
49	78	C		TEHTEC	SGCC048	540BOBMULCH	AV2	.0	.6	P 2	16	-3	AV2	.0	.8	P 2	19
		C		TEHTEC	SGCC048	540BOBMULCH	AV3	.0	1.6	P 2	32	-2	AV3	.0	1.9	P 2	34
		C		TEHTECLR	SGCC048	540BOBMULCH	AV4	.0	2.6	P 2	40	2	AV4	.0	2.3	P 2	38
39	79	C		TEHTEC	SGCC048	540BOBMULCH	AV3	.0	.7	P 2	19	1	AV3	.0	.8	P 2	18
50	94	C		TEHTEC	SGCC049	560BOBMULCH	AV4	.0	1.5	P 2	31	NO	AV4	.0	1.5	P 2	31
		C		TEHTEC	SGCC049	560BOBMULCH	AV5	.0	2.2	P 2	38	NO	AV5	.0	2.1	P 2	38
		C		TEHTEC	SGCC049	560BOBMULCH	AV6	.0	.8	P 2	19	-3	AV6	.0	.9	P 2	22
49	96	C		TEHTEC	SGCC050	540BOBMULCH	AV5	.0	.6	P 2	18	-5	AV5	.0	.9	P 2	23
		C		TEHTEC	SGCC050	540BOBMULCH	AV6	.0	1.2	P 2	28	-3	AV6	.0	1.4	P 2	31
47	99	C		TEHTEC	SGCC050	540BOBMULCH	AV6	.0	.5	P 2	15	-2	AV6	.0	.6	P 2	17
25	116	C		TEHTEC	SGCC060	560BOBMULCH	AV6	.0	.6	P 2	19	4	AV6	.0	.7	P 2	15

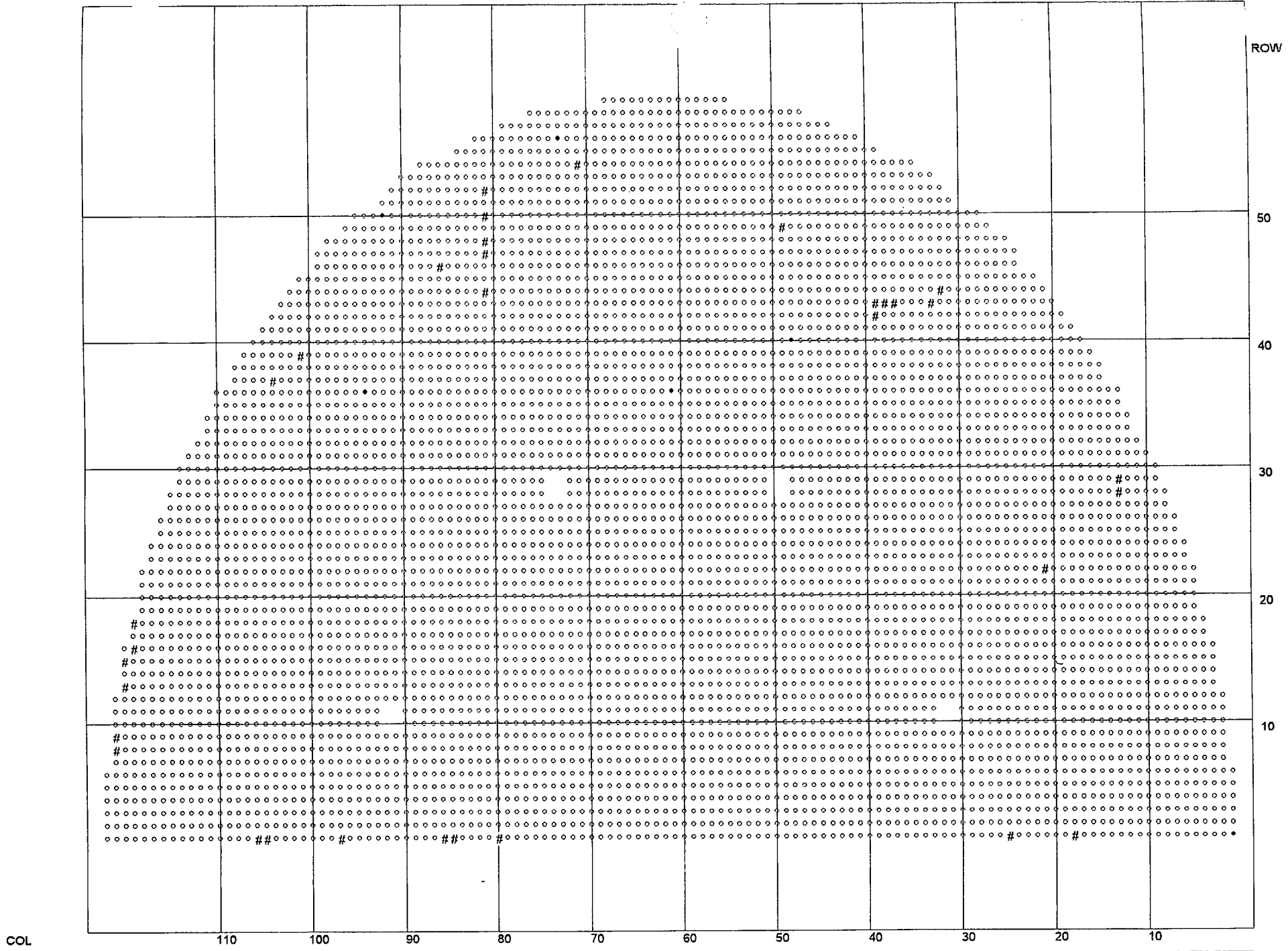
Number of RECORDS Selected from Current Outage : 59

Number of TUBES Selected from Current Outage : 22

Attachment 3-3

Dents

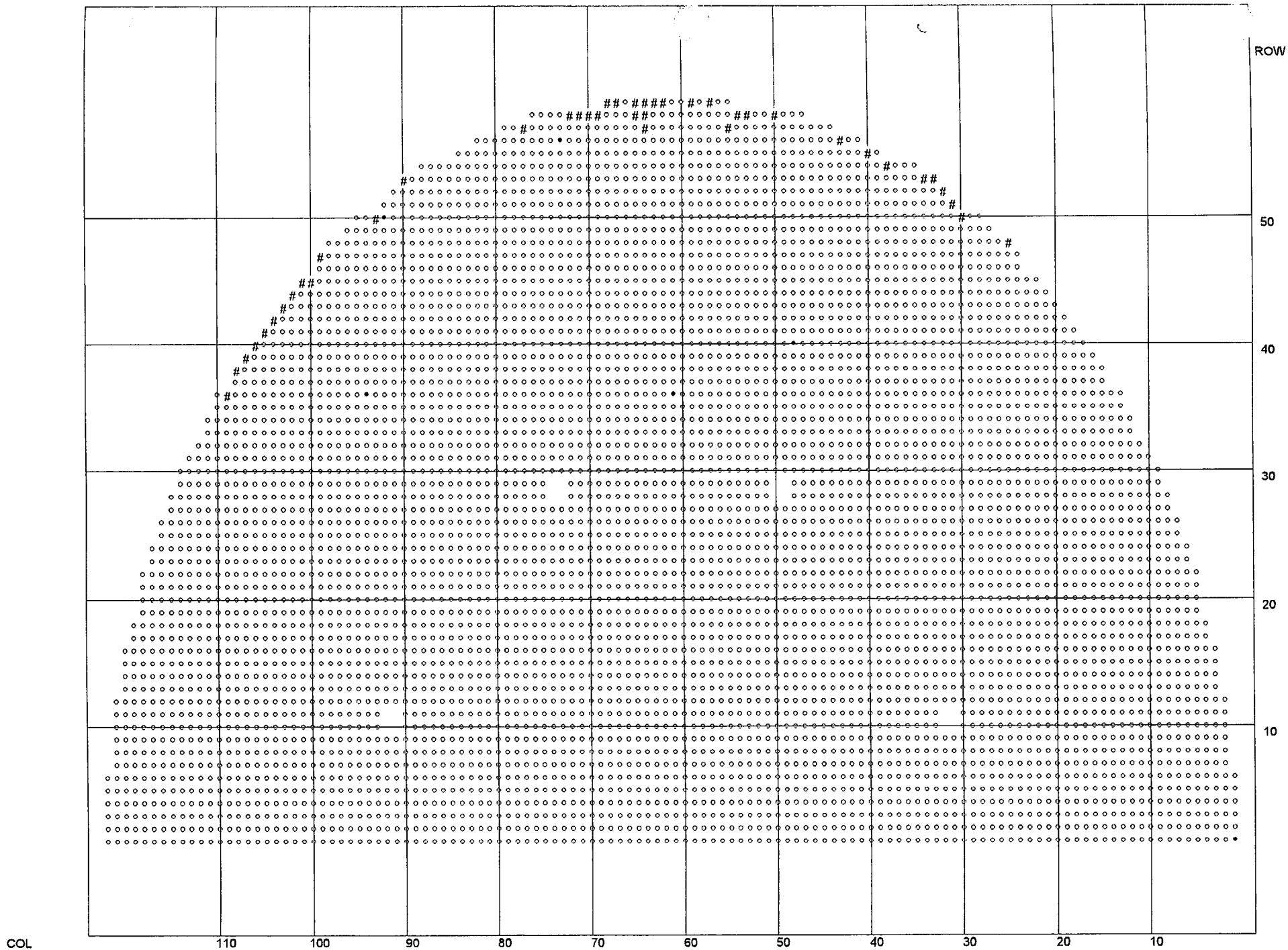
HL Straight Section (Map)
Dents-at AVB (Map)
CL Straight Section (Map)
Distribution Table by Location and Voltage
Voltage Histogram (Figure)



: 33 : SGC HOT LEG DENTS

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/17/99
 ABB CENO

6 Plugged

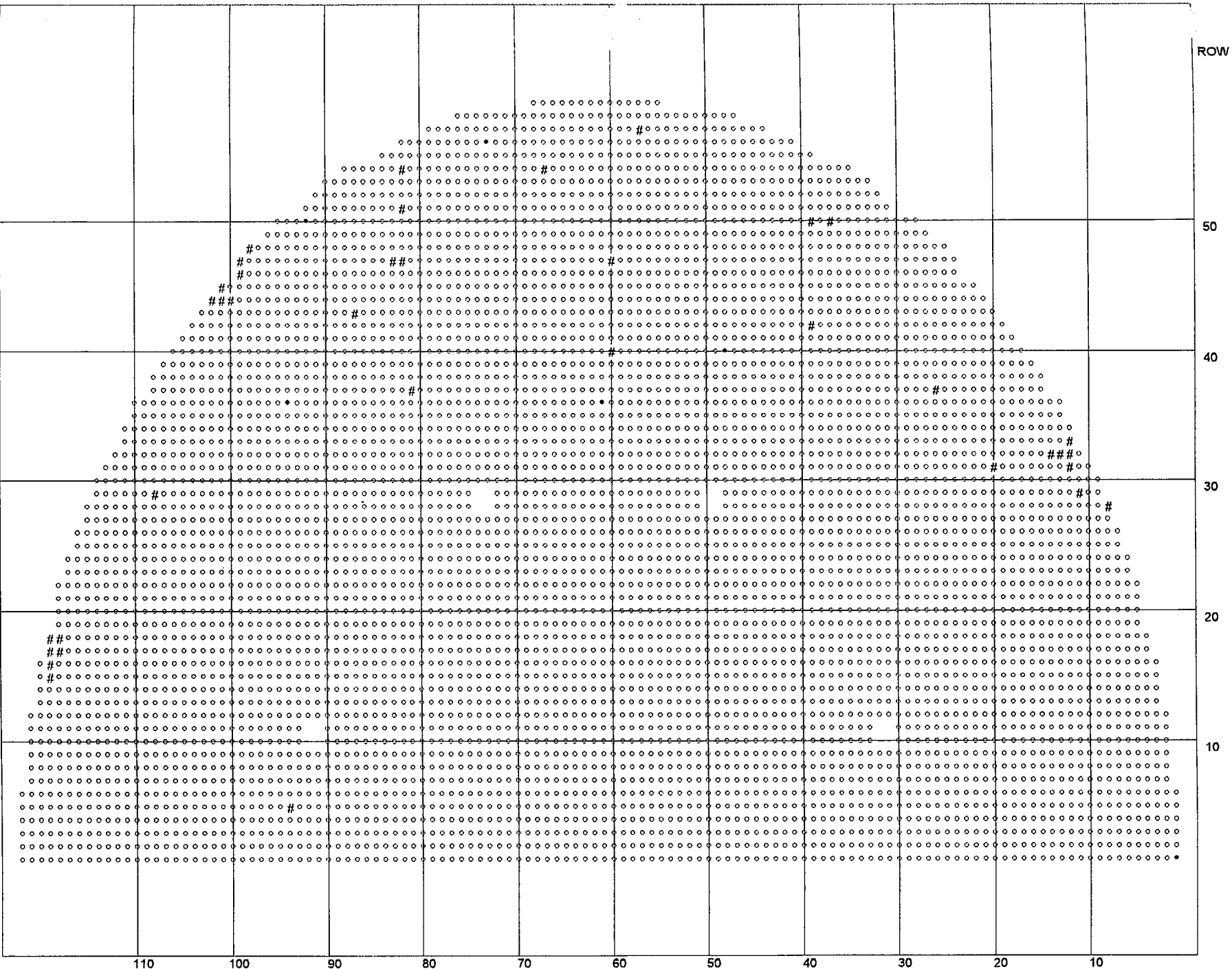


#: 42: SGC AVB DENTS

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/18/99

6 Plugged

ABB CENO



: 37 : SGC COLD LEG DENTS

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/17/99

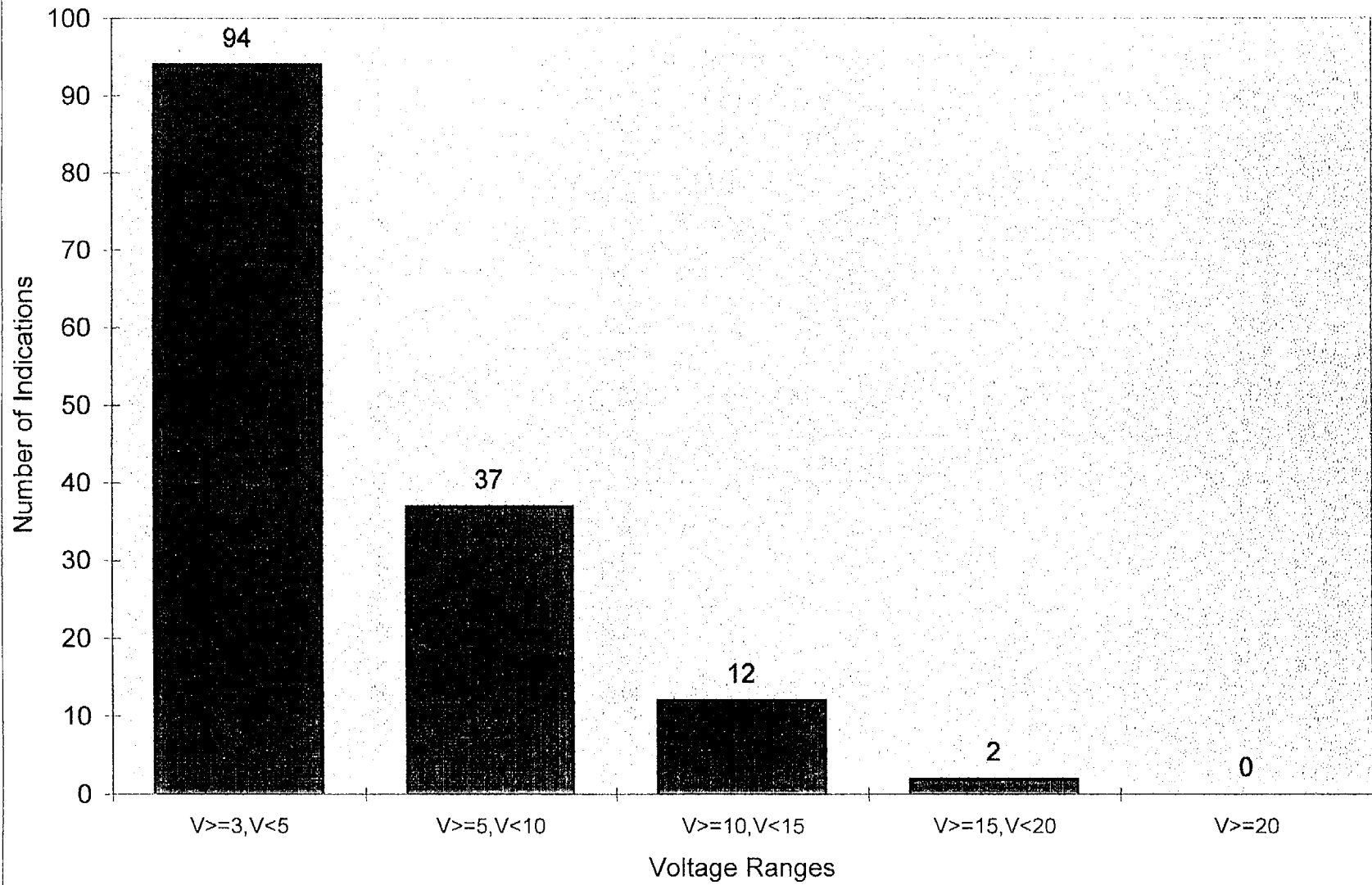
6 Plugged

ABB CENO

STEAM GENERATOR C's DENT'S AT SUPPORT LOCATIONS

Voltage Range	0 1 H	0 3 H	0 8 H	A V 1	A V 2	A V 3	A V 4	A V 5	A V 6	0 8 C	0 7 C	0 6 C	0 4 C	0 2 C	Total Per Voltage Range
3-5	0	0	23	5	9	13	11	7	0	16	8	1	1	0	94
5-10	0	0	11	1	4	5	5	3	1	6	0	0	0	1	37
10-15	1	1	2	2	0	2	2	1	0	3	0	0	0	0	12
15-20	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
GT 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Per Support	1	1	36	8	13	21	18	11	1	26	8	1	1	1	145

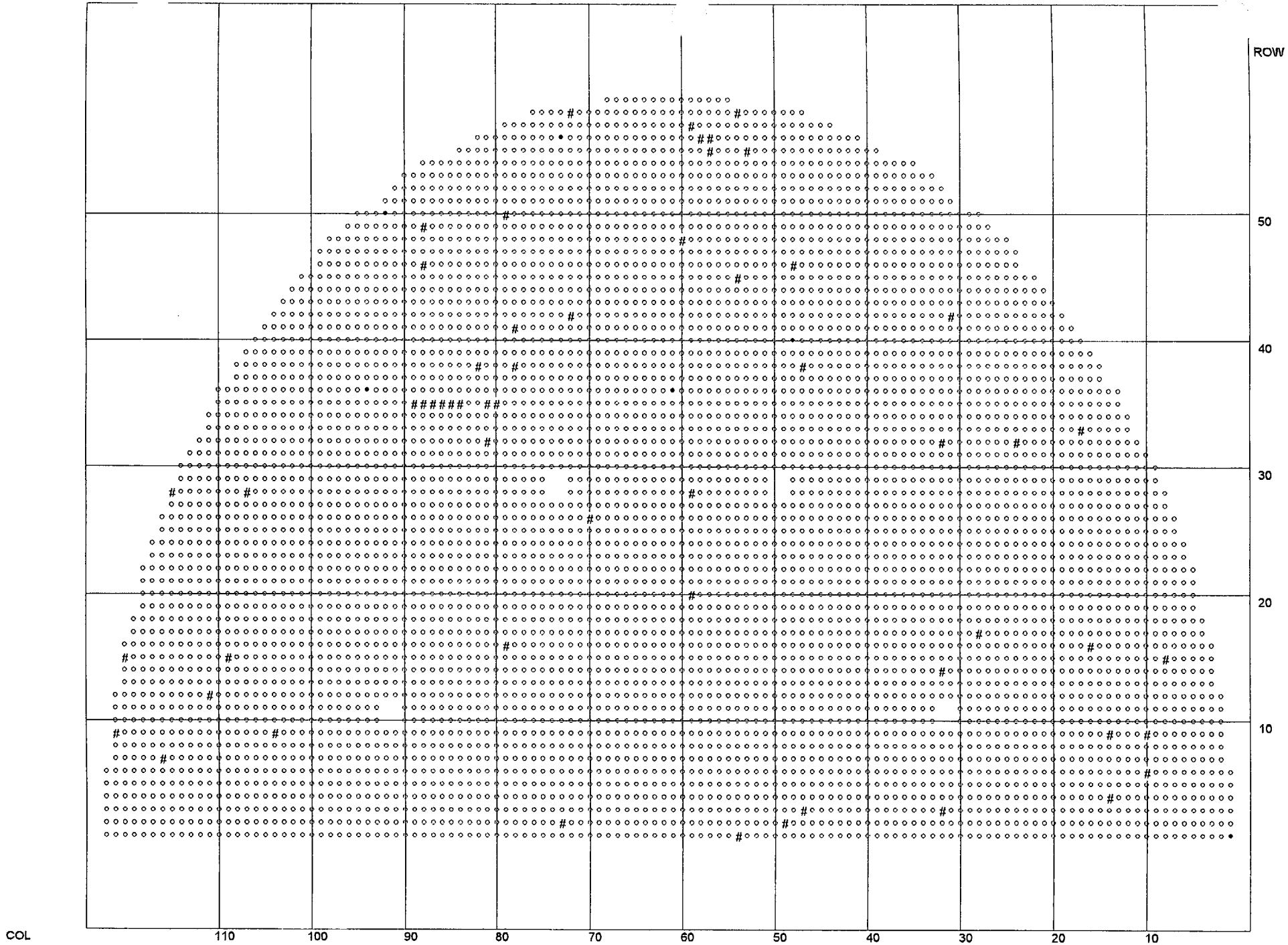
Steam Generator C
Distribution of Dent Indication Voltages



Attachment 3-4

Dings

HL Straight Section (Map)
U-Bend Region (Map)
CL Straight Section (Map)
Distribution Table by Location and Voltage
Voltage Histogram (Figure)

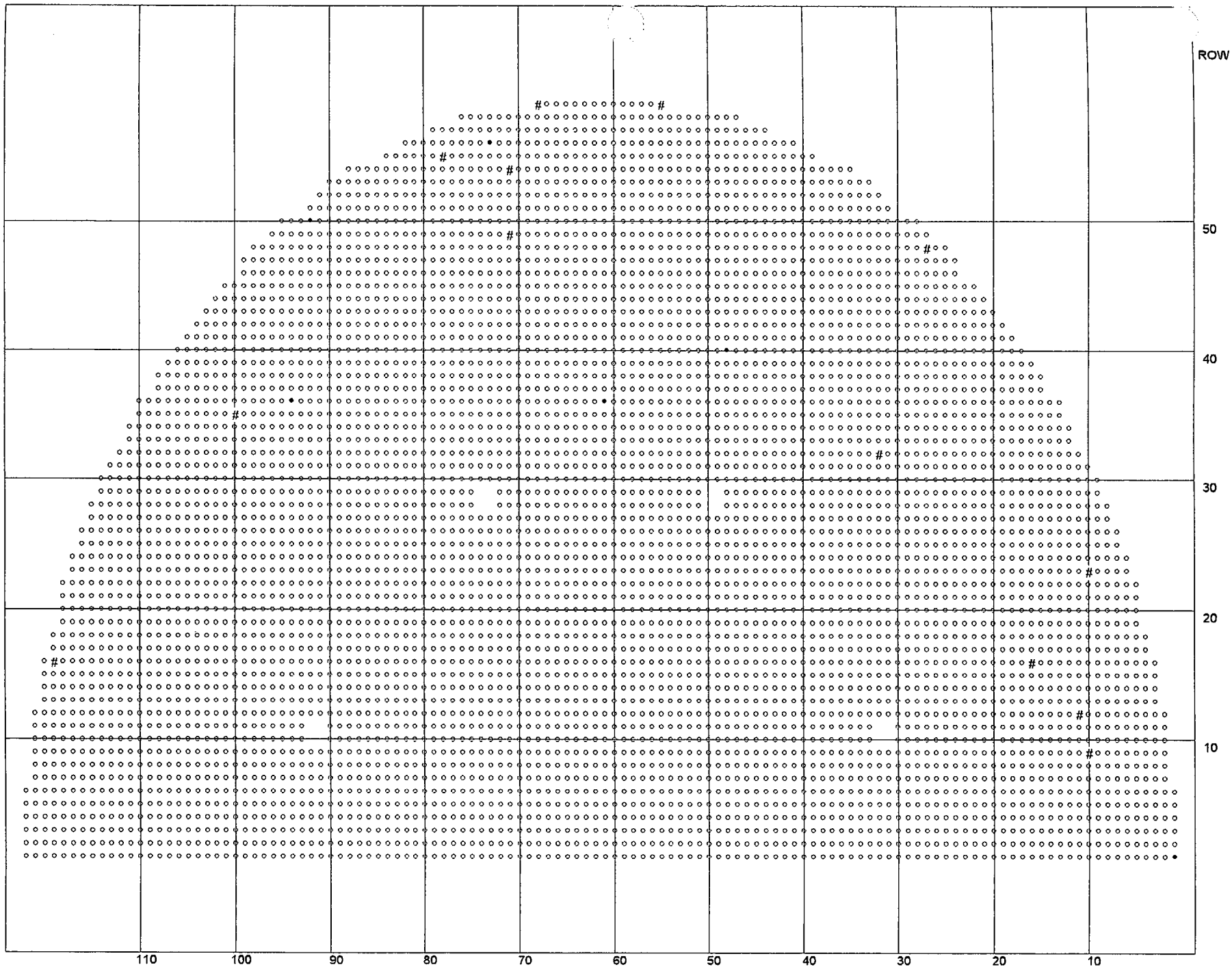


COL

: 56 : SGC HOT LEG DINGS

6 Plugged

NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/18/99 ABB CENO
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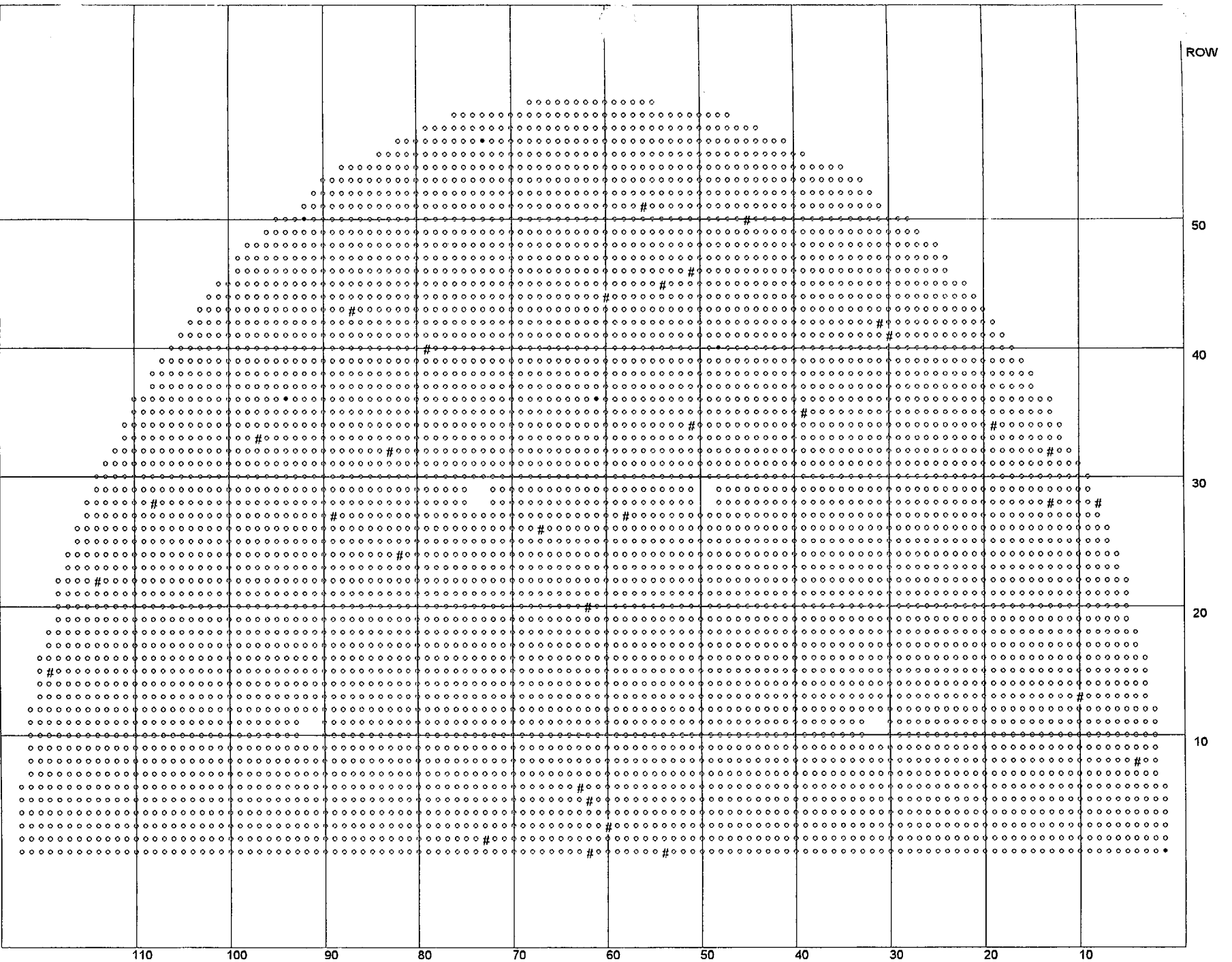


COL

: 13 : SGC AVB DINGS

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/18/99
 ABB CENO

6 Plugged



: 33 : SGC COLD LEG DINGS

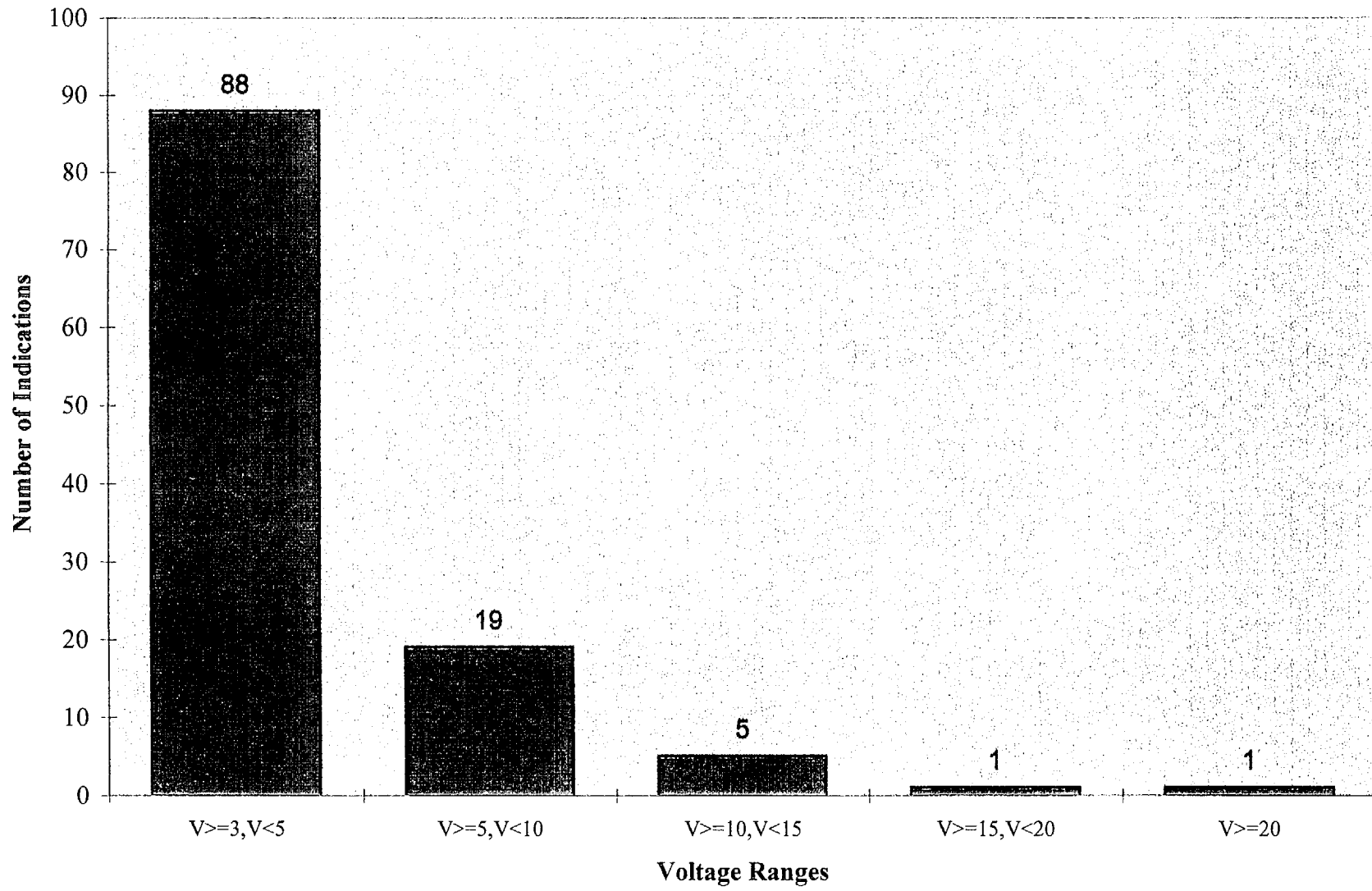
NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/18/99
ABB CENO

6 Plugged

**STEAM GENERATOR C's
DING'S LOCATED AT FREE SPAN**

Voltage Range	3-5	5-10	10-15	15-20	GE 20	Total Per Support
TSH-01H	2	1	0	0	0	3
01H-02H	2	0	0	0	0	2
02H-03H	2	1	0	0	0	3
03H-04H	2	0	1	0	0	3
04H-05H	5	0	1	0	0	6
05H-06H	1	0	0	0	0	1
06H-07H	6	3	0	0	0	9
07H-08H	12	3	0	0	0	15
08H-AV1	15	4	1	0	0	20
AV1-AV2	4	0	0	0	0	4
AV2-AV3	1	0	0	0	0	1
AV3-AV4	1	0	0	0	0	1
AV4-AV5	1	0	0	0	0	1
AV5-AV6	4	1	1	0	0	6
AV6-08C	3	1	0	0	0	4
07C-08C	11	2	0	0	1	14
06C-07C	2	0	0	0	0	2
05C-06C	2	0	0	0	0	2
04C-05C	3	1	1	0	0	5
03C-04C	0	0	0	0	0	0
02C-03C	5	0	0	0	0	5
01C-02C	2	0	0	0	0	2
TSC-01C	2	2	0	1	0	5
Total Per Voltage Range	88	19	5	1	1	114

Steam Generator C
Distribution of Ding Indication Voltages



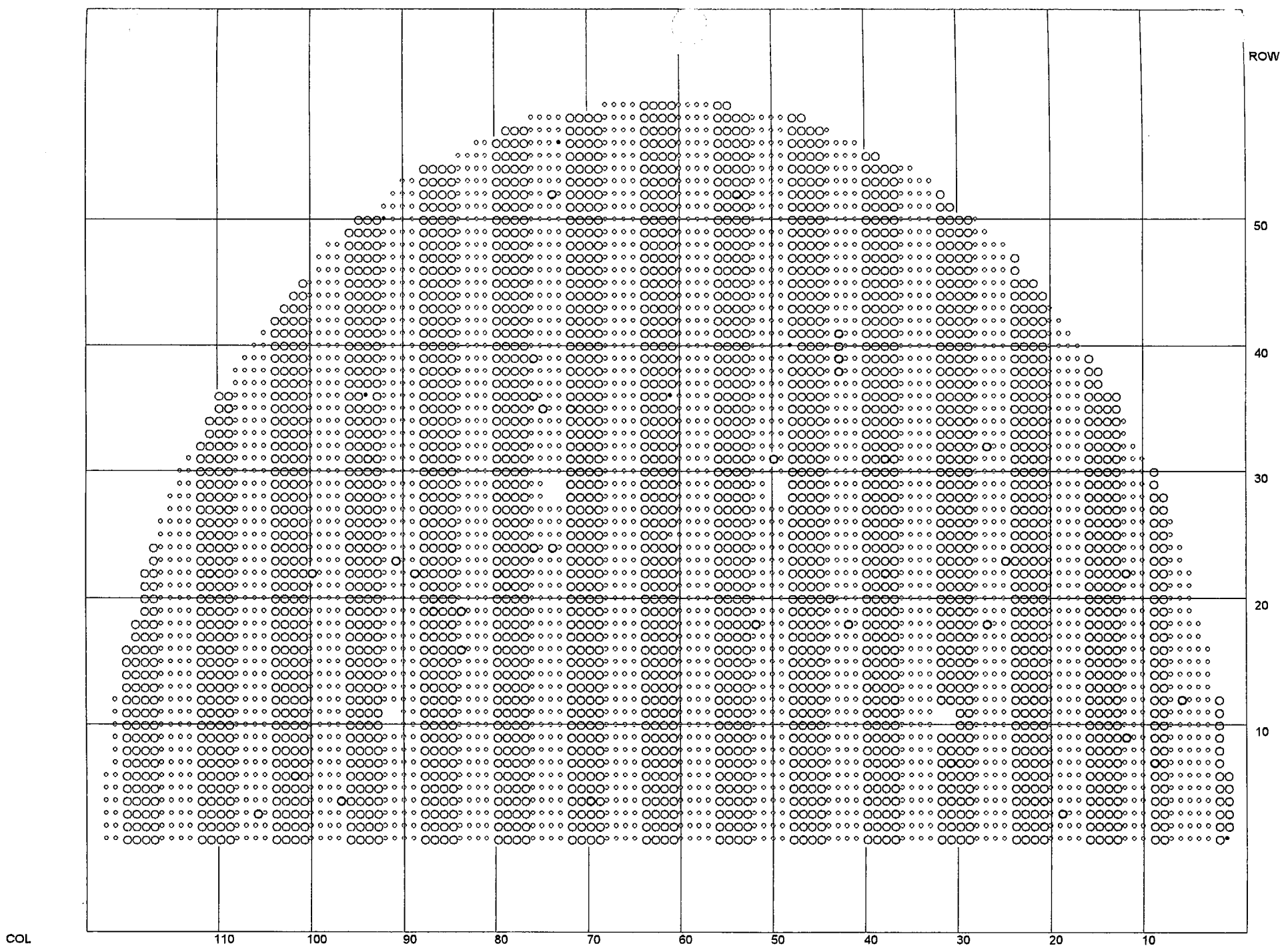
Attachment 3-5

MRPC

HL Tubesheet Expansion (Map)

U-Bend MRPC Exams (Map)

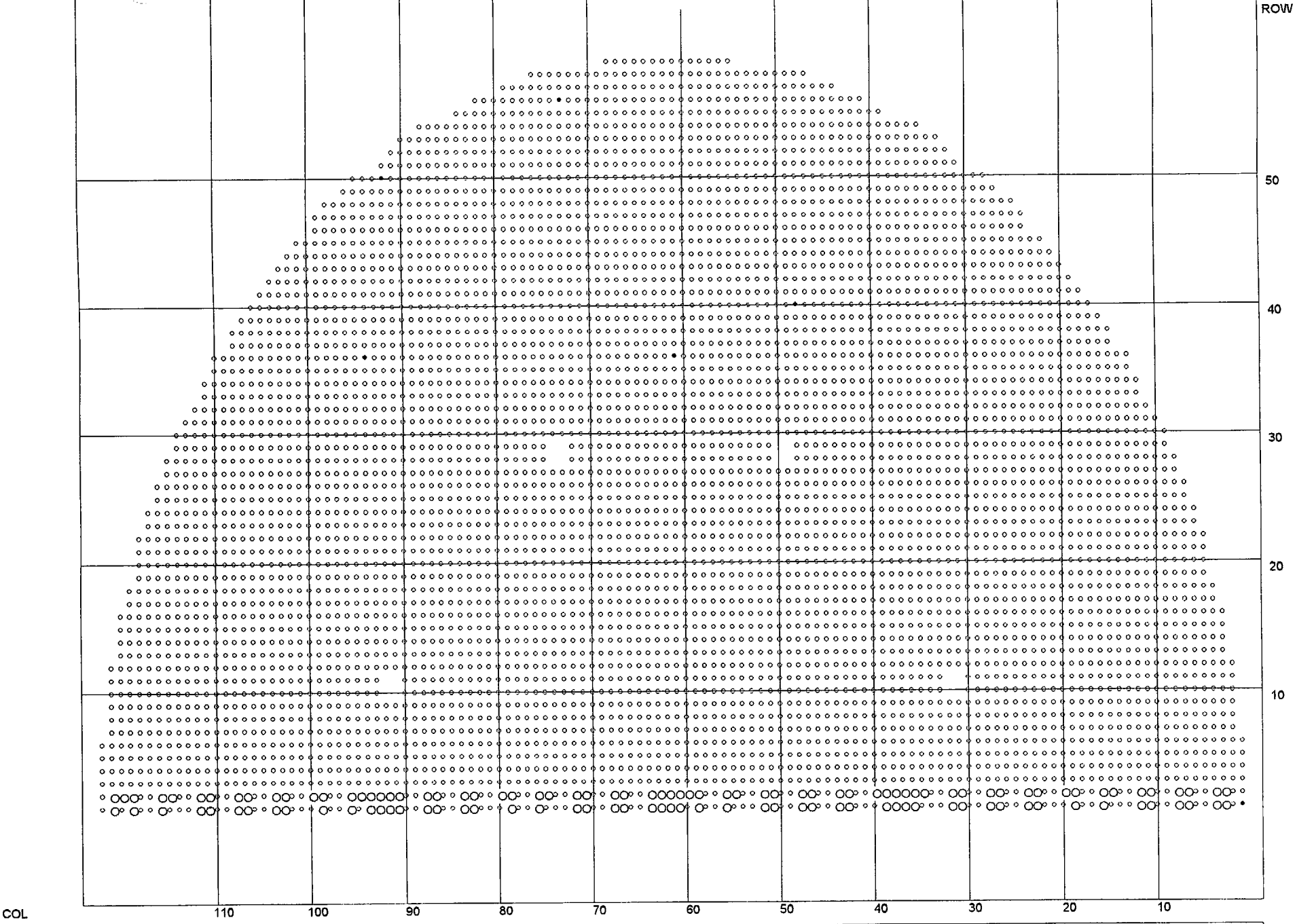
MRPC Exam of FTI Plugs (Map)



O : 2767 : SGC MRPC TSH +/- 3
 O : 45 : SGC MRPC TSHTH

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/17/99
 ABB CENO

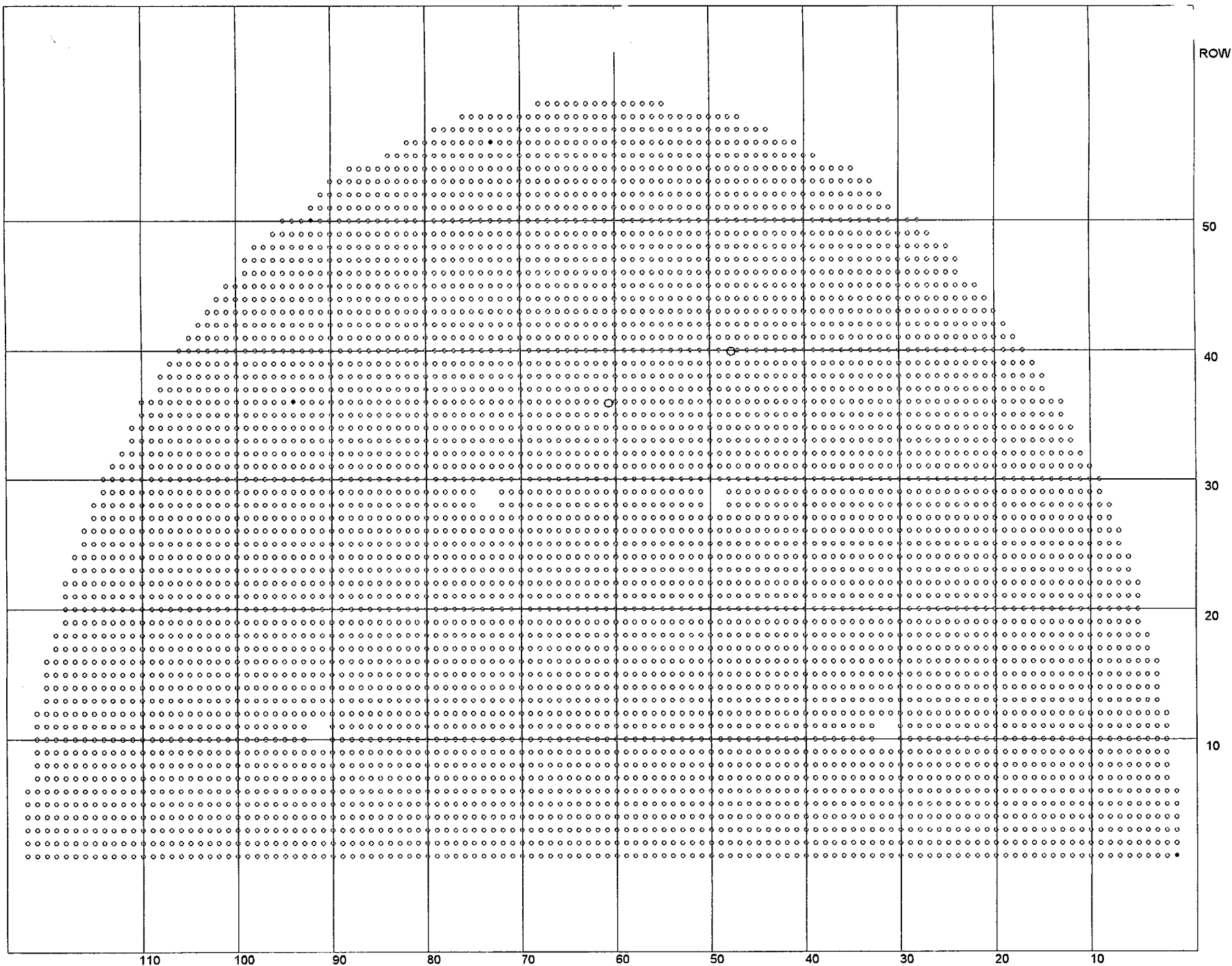
6 Plugged



O : 122 : MRPC UBEND EXAMS ROW 1-2

NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/17/99
ABB CENO

6 Plugged



O : 2 : MRPC EXAM OF FTI PLUGS

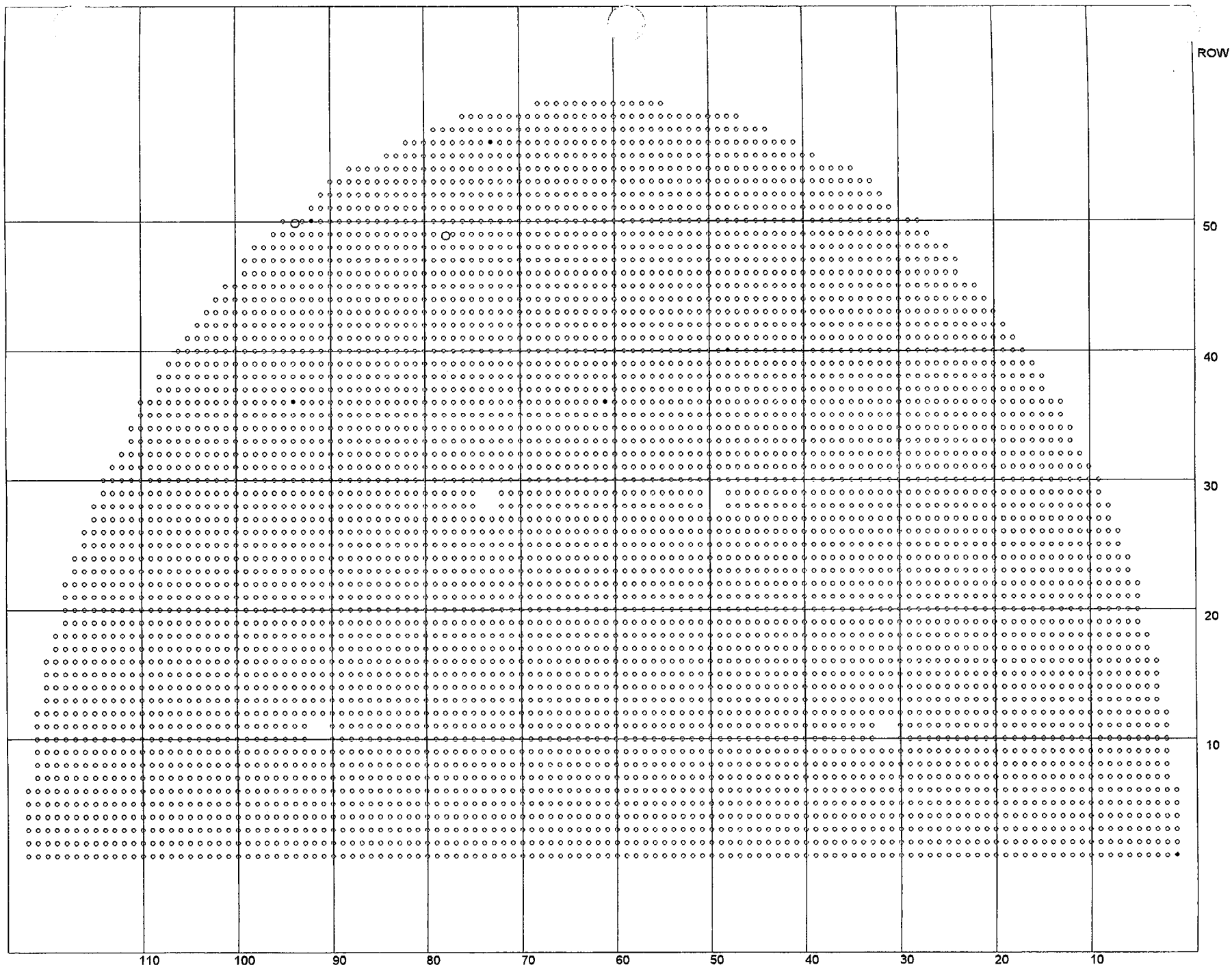
NORTHEAST UTILITIES MILLSTONE 3 STEAM GENERATOR C 05/17/99
ABB CENO

4 Plugged

Attachment 3-6

Tube Plugging

Tubes Plugged RFO6 (Map)
Map of all Tubes Plugged

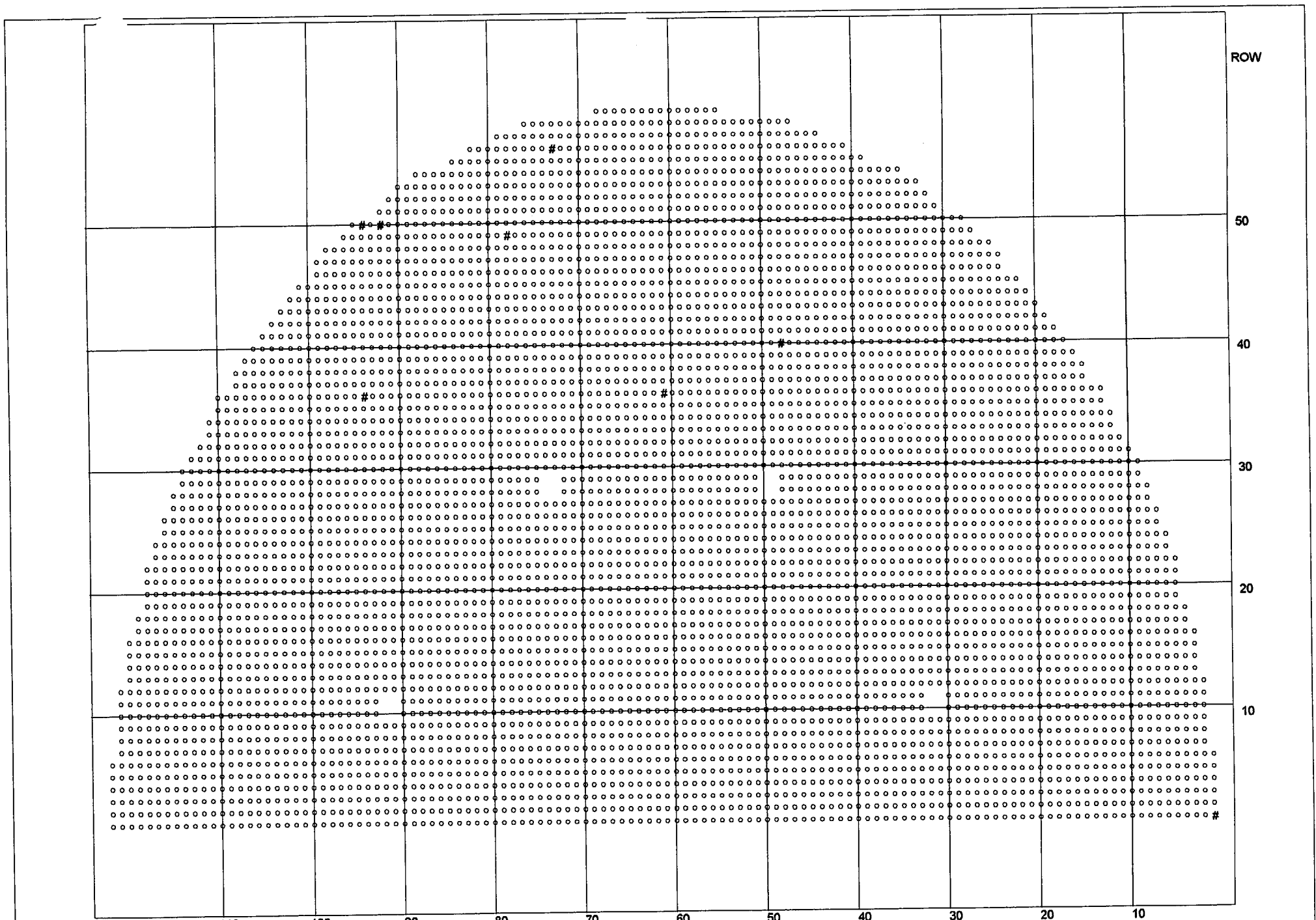


O : 2 : 1999 REPAIR TUBES

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 05/18/99

ABB CENO

6 Plugged



COL

ROW

50

40

30

20

10

110

100

90

80

70

60

50

40

30

20

10

: 6 : SGC PLUGGED TUBES PRIOR TO 5/99
 # : 2 : SGC PLUGGED TUBES 5/99

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR C
 06/23/99
 ABB CENO

Attachment 3-7

ECT Results

All indications

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG C
OUTAGE: 9905

Date: 05/18/99
Page: 1

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
1	45	0.38	73	3	NQH 02C	38.74	08HTEC BOBBIN	SGCC073	540BOBSFRMH	
1	53	0.53	92	3	NQH 04H	-0.95	08HTEH BOBBINH	SGCH057	560BOBMULCH	
2	59	0.30	53	3	NQH 02C	5.68	08CTEC BOBBIN	SGCC061	560BOBMULCH	
		0.49	52	3	NQH TSC	34.82	08CTEC BOBBIN	SGCC061	560BOBMULCH	
		0.87	56	3	NQH TSH	33.47	08HTEH BOBBINH	SGCH056	560BOBMULCH	
		0.48	59	3	NQH 02H	7.65	08HTEH BOBBINH	SGCH056	560BOBMULCH	
2	62	0.79	47	3	NQH 05C	2.36	08CTEC BOBBIN	SGCC015	560BOBMULCH	
		0.67	73	3	NQH 04C	3.00	08CTEC BOBBIN	SGCC015	560BOBMULCH	
		0.33	86	3	NQH 03C	2.80	08CTEC BOBBIN	SGCC015	560BOBMULCH	
2	68	0.26	87	3	NQH 06H	33.11	08HTEH BOBBINH	SGCH017	560BOBMULCH	
		0.37	52	3	NQH 06H	34.51	08HTEH BOBBINH	SGCH017	560BOBMULCH	
		0.33	80	3	NQH 06H	36.19	08HTEH BOBBINH	SGCH017	560BOBMULCH	
2	72	0.83	75	3	NQH 07C	3.99	08CTEC BOBBIN	SGCC015	560BOBMULCH	
		2.14	72	6	NQH 07C	2.07	08CTEC BOBBIN	SGCC015	560BOBMULCH	
		2.12	59	6	NQH 04C	35.10	08CTEC BOBBIN	SGCC015	560BOBMULCH	
2	73	0.59	84	3	NQH 02C	26.70	08HTEC BOBBIN	SGCC001	540BOBSFRMH	
3	32	1.15	104	3	NQH 01C	9.29	08HTEC BOBBIN	SGCC004	540BOBSFRMH	
3	60	1.19	73	3	NQH 02C	38.14	08HTEC BOBBIN	SGCC073	540BOBSFRMH	
3	61	0.51	43	3	NQH 02C	39.00	08HTEC BOBBIN	SGCC073	540BOBSFRMH	
4	64	0.54	92	3	NQH TSC	23.81	08HTEC BOBBIN	SGCC001	540BOBSFRMH	
4	73	0.80	114	3	NQH 07C	27.85	08HTEC BOBBIN	SGCC001	540BOBSFRMH	
5	3	0.50	109	3	NQH 02C	23.28	TEHTEC BOBBIN	SGCC006	560BOBMULCH	
5	17	0.33	78	3	NQH 02C	37.06	TSHTEC BOBBIN	SGCC006	560BOBMULCH	
5	62	0.42	96	3	NQH 06H	1.68	TEHTEC BOBBIN	SGCC016	560BOBMULCH	
5	63	0.26	98	3	NQH 03H	11.37	TEHTEC BOBBIN	SGCC016	560BOBMULCH	LR
5	75	0.46	83	3	NQH 02C	-1.40	TSHTEC BOBBIN	SGCC016	560BOBMULCH	
5	82	0.78	43	3	NQH 07H	34.02	TEHTEC BOBBIN	SGCC018	560BOBMULCH	
5	86	0.88	72	3	NQH TSC	29.54	TECTEH BOBBIN	SGCH061	560BOBMULCH	
5	98	0.27	83	3	NQH TSC	13.28	TEHTEC BOBBIN	SGCC020	560BOBMULCH	
5	122	0.37	89	3	NQH TSC	5.96	TEHTEC BOBBIN	SGCC060	560BOBMULCH	
6	2	0.32	109	3	NQH 02H	8.28	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
		0.39	87	3	NQH 06H	2.74	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
7	2	0.65	108	3	NQH 05C	31.11	TEHTEC BOBBIN	SGCC006	560BOBMULCH	
7	51	0.30	98	3	NQH TSH	29.35	TEHTEC BOBBIN	SGCC062	560BOBMULCH	
7	94	0.82	96	3	NQH 01C	4.85	TEHTEC BOBBIN	SGCC020	560BOBMULCH	
7	96	0.89	108	3	NQH 01H	11.56	TEHTEC BOBBIN	SGCC020	560BOBMULCH	
8	4	2.55	82	6	NQH 06C	32.28	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
8	7	0.42	84	3	NQH 07H	22.47	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
8	8	0.34	86	3	NQH 01H	13.55	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
8	13	0.49	105	3	NQH 03C	27.73	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
8	15	0.52	102	3	NQH 04H	25.07	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
		0.40	96	3	NQH 01C	13.92	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
8	91	0.30	84	3	NQH TSH	3.08	TEHTEC BOBBIN	SGCC019	560BOBMULCH	
8	110	0.85	110	3	NQH 02H	12.16	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
8	112	0.43	88	3	NQH 02C	13.53	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
8	117	0.21	97	P 1	NQH TSH	10.07	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
9	3	1.87	277	8	OKP TSH	0.87	TEHTEC BOBBIN	SGCC006	560BOBMULCH	LR
9	60	0.32	93	3	NQH 04H	7.41	TEHTEC BOBBIN	SGCC062	560BOBMULCH	
		0.50	107	3	NQH 03C	20.76	TEHTEC BOBBIN	SGCC062	560BOBMULCH	
10	10	0.57	109	3	NQH 04C	11.04	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
10	13	0.22	78	3	NQH 04C	4.95	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
10	45	0.42	95	3	NQH 07H	26.43	TEHTEC BOBBIN	SGCC061	560BOBMULCH	
10	82	0.16	96	3	NQH 06C	30.84	TEHTEC BOBBIN	SGCC017	560BOBMULCH	
12	24	0.71	68	3	NQH 07C	9.52	TEHTEC BOBBIN	SGCC021	560BOBMULCH	
		0.84	39	3	NQH 05C	13.17	TEHTEC BOBBIN	SGCC021	560BOBMULCH	
12	97	0.59	103	3	NQH 03C	21.15	TEHTEC BOBBIN	SGCC019	560BOBMULCH	
12	114	0.71	94	3	NQH 02H	5.95	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
12	119	0.37	77	3	NQH 06C	30.90	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
13	45	0.32	94	3	NQH 05H	16.84	TEHTEC BOBBIN	SGCC062	560BOBMULCH	
13	115	0.35	113	3	NQH 07H	30.68	TEHTEC BOBBIN	SGCC060	560BOBMULCH	
14	4	0.22	79	3	NQH 03C	14.92	TEHTEC BOBBIN	SGCC005	560BOBMULCH	
15	6	0.44	98	3	NQH 05C	32.13	TEHTEC BOBBIN	SGCC006	560BOBMULCH	

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG_C
OUTAGE: 9905

Date: 05/18/99
Page: 2

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
15	87	0.39	79	10	PLP TSH	2.53	TSHTSH MRPCTSH	SGCH034	560RCP3C	LR
16	31	0.64	50	3	NQH 01H	8.43	TEHTEC BOBBIN	SGCC021	560BOBMULCH	
16	54	0.46	76	3	NQH 03H	29.26	TEHTEC BOBBIN	SGCC061	560BOBMULCH	
16	75	0.42	93	3	NQH AV1	17.18	TEHTEC BOBBIN	SGCC015	560BOBMULCH	
17	24	0.47	71	3	NQH 02C	20.78	TEHTEC BOBBIN	SGCC024	560BOBMULCH	
17	27	1.95	107	3	NQH 03C	29.14	TEHTEC BOBBIN	SGCC024	560BOBMULCH	
17	87	0.57	106	3	NQH 06C	7.02	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
		0.48	105	3	NQH 05C	32.88	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
		0.61	103	3	NQH 05C	29.33	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
17	95	0.36	80	3	NQH 03H	3.66	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
		0.51	132	1	TFH 08H	1.86	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
17	98	0.51	93	3	NQH 07C	6.99	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
17	116	0.82	93	3	NQH 02H	28.53	TEHTEC BOBBIN	SGCC060	560BOBMULCH	
18	7	0.71	113	3	NQH 03C	38.14	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
18	61	0.46	96	3	NQH 05C	22.19	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
18	62	0.38	71	3	NQH 05C	3.09	TEHTEC BOBBIN	SGCC029	560BOBMULCH	
18	111	2.08	84	6	NQH 06H	20.78	TEHTEC BOBBIN	SGCC057	560BOBMULCH	
19	10	0.83	94	3	NQH 01H	7.27	TEHTEC BOBBIN	SGCC012	560BOBMULCH	
19	14	0.25	92	3	NQH TSC	12.99	TEHTEC BOBBIN	SGCC012	560BOBMULCH	
19	34	0.33	88	3	NQH 02C	12.95	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
19	54	1.10	96	3	NQH 06C	1.38	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
19	63	0.45	111	1	TFH 08H	1.88	TEHTEC BOBBIN	SGCC028	560BOBMULCH	
19	81	0.44	83	1	TFH 08H	2.57	TEHTEC BOBBIN	SGCC033	560BOBMULCH	
20	5	0.10	103	3	NQH 07H	1.04	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
20	62	0.21	85	3	NQH 05C	12.81	TEHTEC BOBBIN	SGCC029	560BOBMULCH	
20	64	0.82	99	3	NQH 02C	9.10	TEHTEC BOBBIN	SGCC029	560BOBMULCH	
20	81	2.06	83	6	NQH 07H	22.61	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
		0.60	96	3	NQH TSC	6.15	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
20	85	0.30	75	3	NQH 03C	6.81	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
20	87	0.61	86	3	NQH 01C	7.38	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
		0.70	81	3	NQH 01C	6.50	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
		0.63	82	3	NQH 01C	4.82	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
		0.86	78	3	NQH 01C	2.75	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
20	90	0.30	76	3	NQH 07C	14.79	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
20	98	0.66	104	3	NQH 07C	16.05	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
		0.83	84	3	NQH 07C	13.25	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
		1.08	98	3	NQH 07C	8.78	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
20	118	1.05	90	3	NQH 02C	24.82	TEHTEC BOBBIN	SGCC059	560BOBMULCH	
21	65	0.29	89	3	NQH 03H	14.47	TEHTEC BOBBIN	SGCC028	560BOBMULCH	
21	83	2.42	75	6	NQH TSC	9.67	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
22	7	0.95	103	3	NQH 06H	11.58	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
		0.51	95	3	NQH 06H	20.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
22	47	0.52	101	3	NQH 05H	25.17	TEHTEC BOBBIN	SGCC063	560BOBMULCH	
22	52	0.56	88	3	NQH TSH	27.62	TEHTEC BOBBIN	SGCC063	560BOBMULCH	
22	54	0.46	103	3	NQH 06C	33.31	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
22	84	0.67	87	3	NQH 07H	25.48	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
22	108	0.28	108	3	NQH 04C	2.23	TEHTEC BOBBIN	SGCC055	560BOBMULCH	
22	109	0.30	112	3	NQH 04C	1.43	TEHTEC BOBBIN	SGCC055	560BOBMULCH	
23	31	0.28	71	3	NQH 02H	39.11	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
		0.26	101	3	NQH 07H	18.23	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
23	41	0.42	106	3	NQH 07C	10.29	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
23	46	0.56	84	3	NQH 03C	17.20	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
23	49	0.70	109	3	NQH 02H	33.98	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
23	54	0.40	93	3	NQH TSH	5.52	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
		0.97	82	3	NQH TSH	6.69	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
		0.62	104	3	NQH 04H	24.43	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
23	68	0.43	97	3	NQH 03C	18.03	TEHTEC BOBBIN	SGCC028	560BOBMULCH	
23	78	0.40	73	3	NQH 07C	13.40	TEHTEC BOBBIN	SGCC033	560BOBMULCH	
23	88	1.08	87	3	NQH AV6	6.28	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
23	109	0.87	95	3	NQH 02H	20.86	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
24	6	4.70	9	1	IDC TSC	0.00 To 600.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
24	57	0.36	91	3	NQH 03H	11.03	TEHTEC BOBBIN	SGCC065	560BOBMULCH	

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24	59	0.83	97	3	NQH 07H	8.56	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
		0.72	89	3	NQH 07H	15.17	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
24	93	2.57	82	6	NQH 05H	30.42	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
24	94	0.64	101	3	NQH 04C	26.55	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
25	20	0.38	86	3	NQH TSH	13.55	TEHTEC BOBBIN	SGCC014	560BOBMULCH	
		0.36	113	1	TFH 08C	1.90	TEHTEC BOBBIN	SGCC014	560BOBMULCH	
25	33	0.40	88	1	NQH AV6	13.45	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
		0.41	53	1	NQH AV6	13.05	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
25	37	0.42	95	1	NQH AV6	14.90	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
25	46	0.67	104	3	NQH 01H	15.94	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
25	47	0.67	150	1	TFH AV6	14.87	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
25	48	1.24	109	3	NQH 02C	26.75	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
25	67	0.41	124	1	NQH 08H	3.02	TEHTEC BOBBIN	SGCC028	560BOBMULCH	
25	107	0.85	91	3	NQH TSH	14.15	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
25	116	0.65		P 2	19 AV6	0.00	TEHTEC BOBBIN	SGCC060	560BOBMULCH	
26	9	0.84	99	3	NQH 03H	14.11	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
26	70	0.16	110	3	VOL 04H	25.77	04H05H MRPDENT	SGCH055	560RPP3C	
26	72	0.05	109	3	NQH 02H	10.70	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
26	74	0.32	109	3	NQH 04C	26.79	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
26	76	0.54	103	3	NQH 02H	21.20	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
27	38	0.38	135	1	NQH AV6	14.34	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
27	82	0.58	90	3	NQH 07C	4.68	TEHTEC BOBBIN	SGCC033	560BOBMULCH	
27	85	0.29	60	3	NQH 03C	27.74	TEHTEC BOBBIN	SGCC052	560BOBMULCH	LR
27	92	0.83	41	1	TFH 08H	2.58	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
27	107	0.77	113	3	NQH 05H	22.96	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
27	111	0.46	56	3	NQH 01C	6.50	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
27	115	0.31	125	1	TFH 08H	2.34	TEHTEC BOBBIN	SGCC060	560BOBMULCH	
28	12	0.28	130	1	TFH 08H	1.66	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
28	13	0.29	106	3	NQH 08C	-1.48	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
29	23	0.44	153	1	NQH 08H	2.77	TEHTEC BOBBIN	SGCC024	560BOBMULCH	
29	38	0.31	87	3	NQH AV1	16.02	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
29	87	0.94	38	1	TFH 08H	2.73	TEHTEC BOBBIN	SGCC052	560BOBMULCH	
29	97	0.74	47	1	TFH 08H	2.90	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
29	98	0.90	44	1	TFH 08H	1.93	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
29	102	0.62	136	1	TFH 08H	1.38	TEHTEC BOBBIN	SGCC054	560BOBMULCH	
29	107	0.46	144	1	TFH 08H	1.19	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
29	108	0.92	37	1	TFH 08H	2.54	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
30	90	0.36	72	3	NQH 04C	17.25	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
30	106	0.77	104	3	NQH 02C	6.16	TEHTEC BOBBIN	SGCC055	560BOBMULCH	
31	13	0.57	88	3	NQH 05H	35.83	TEHTEC BOBBIN	SGCC012	560BOBMULCH	
31	48	0.44	102	3	NQH 02H	10.24	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
31	52	0.49	86	3	NQH 05C	9.17	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
		0.47	92	3	NQH 04C	17.60	TEHTEC BOBBIN	SGCC064	560BOBMULCH	
31	55	0.31	100	3	NQH 02H	9.97	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
31	108	2.00	94	3	NQH 06C	11.10	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
31	110	0.40	98	3	NQH 02C	8.49	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
32	33	0.82	49	3	NQH 06H	17.02	TEHTEC BOBBIN	SGCC025	560BOBMULCH	
32	56	0.78	39	P 1	DSS 05C	-0.13	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
32	74	0.43	109	3	NQH 02C	30.04	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
32	76	0.52	116	3	NQH 03C	31.73	TEHTEC BOBBIN	SGCC032	560BOBMULCH	
32	88	0.47	100	3	NQH 02C	-1.48	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
32	91	0.77	144	P 1	NQH 08C	-0.72	TEHTEC BOBBIN	SGCC051	560BOBMULCH	LR
32	111	0.47	85	3	NQH 03C	25.76	TEHTEC BOBBIN	SGCC057	560BOBMULCH	
33	16	0.41	83	3	NQH TSC	4.25	TEHTEC BOBBIN	SGCC012	560BOBMULCH	
33	22	0.43	117	1	NQH AV6	15.99	TEHTEC BOBBIN	SGCC024	560BOBMULCH	
33	36	0.37	92	3	NQH 03C	37.30	TEHTEC BOBBIN	SGCC026	560BOBMULCH	
33	60	0.66	113	3	NQH 04C	25.02	TEHTEC BOBBIN	SGCC066	560BOBMULCH	
33	64	0.56	93	3	NQH TSH	6.90	TEHTEC BOBBIN	SGCC028	560BOBMULCH	
33	74	0.36	87	3	NQH 05C	29.19	TEHTEC BOBBIN	SGCC033	560BOBMULCH	
33	108	1.55	109	3	NQH 07C	31.26	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
34	14	0.41		P 2	10 AV2	0.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
		0.42		P 2	10 AV5	0.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	

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34 33	0.85	53	3	NQH	08C	2.11	TEHTEC BOBBIN	SGCC025	560BOBMULCH	
	0.58	48	3	NQH	08C	0.87	TEHTEC BOBBIN	SGCC025	560BOBMULCH	
34 34	0.62	97	3	NQH	05H	8.31	TEHTEC BOBBIN	SGCC025	560BOBMULCH	
34 39	0.45	117	3	NQH	04C	3.69	TEHTEC BOBBIN	SGCC029	560BOBMULCH	
	0.56	109	3	NQH	03C	16.69	TEHTEC BOBBIN	SGCC029	560BOBMULCH	
34 75	0.72	107	3	NQH	06C	13.49	TSHTEC BOBBIN	SGCC032	560BOBMULCH	
	0.73	109	3	NQH	06C	13.49	TEHTEC BOBBIN	SGCC067	560BOBMULCH	
34 95	3.82	15	1	PVN	AV2	4.88	TEHTEC BOBBIN	SGCC053	560BOBMULCH	
35 22	0.36	147	1	NQH	08H	4.00	TEHTEC BOBBIN	SGCC024	560BOBMULCH	
35 73	0.89	106	3	NQH	AV3	7.64	TEHTEC BOBBIN	SGCC033	560BOBMULCH	
35 106	0.45	71	3	NQH	02C	35.68	TEHTEC BOBBIN	SGCC056	560BOBMULCH	
36 15	0.37		P 2	8	AV5	0.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
	0.48		P 2	11	AV6	0.00	TEHTEC BOBBIN	SGCC009	560BOBMULCH	
36 19	0.24	57	3	NQH	05H	13.35	TEHTEC BOBBIN	SGCC013	560BOBMULCH	
36 20	0.32	59	3	NQH	TSH	3.83	TEHTEC BOBBIN	SGCC013	560BOBMULCH	
	0.25	88	3	NQH	04H	10.56	TEHTEC BOBBIN	SGCC013	560BOBMULCH	
36 21	0.30	83	3	NQH	04C	15.71	TEHTEC BOBBIN	SGCC023	560BOBMULCH	
36 25	0.59	92	3	NQH	04H	12.56	TEHTEC BOBBIN	SGCC023	560BOBMULCH	
36 60	0.42	110	3	NQH	07C	5.26	TEHTEC BOBBIN	SGCC065	560BOBMULCH	
36 87	0.66	92	3	NQH	06C	25.56	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
	0.60	100	3	NQH	06C	24.05	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
	0.60	87	3	NQH	06C	23.98	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
36 91	0.34	88	3	NQH	04H	21.93	TEHTEC BOBBIN	SGCC051	560BOBMULCH	
36 103	0.49	89	3	NQH	05H	31.94	TEHTEC BOBBIN	SGCC055	560BOBMULCH	
37 15	1.09		P 2	26	AV2	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.38		P 2	11	AV3	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.40		P 2	12	AV4	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	1.34		P 2	29	AV5	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.65		P 2	18	AV6	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
37 24	0.62	115	3	NQH	02C	1.06	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
37 60	0.21	74	3	NQH	06H	6.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
37 101	0.46	101	3	NQH	AV6	9.72	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
38 65	0.53	95	3	NQH	06H	33.07	TEHTEC BOBBIN	SGCC043	540BOBMULCH	
38 73	0.33	106	1	TFH	AV6	16.77	TEHTEC BOBBIN	SGCC045	560BOBMULCH	
38 85	0.76	96	3	NQH	03C	31.36	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
38 99	0.42	105	3	NQH	02C	12.72	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
	0.23	86	3	NQH	02C	11.28	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
38 100	0.54	104	3	NQH	05C	37.95	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
38 101	0.29	102	3	NQH	05H	25.71	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
38 106	0.56	112	3	NQH	05C	19.75	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
39 17	0.73		P 2	20	AV2	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.90		P 2	23	AV4	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.98		P 2	24	AV5	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
	0.60		P 2	17	AV6	0.00	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
39 18	0.38	100	3	NQH	01C	1.77	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
39 53	0.63	86	3	NQH	TSH	7.95	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
39 58	0.19	67	3	NQH	03C	8.85	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	0.31	81	3	NQH	01C	14.30	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
39 66	0.37	109	3	NQH	02C	20.32	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
39 79	0.72		P 2	19	AV3	0.00	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
39 81	0.59	105	3	NQH	04C	16.58	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
39 89	0.40	83	3	NQH	04C	2.29	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
39 91	0.48	97	3	NQH	06C	21.05	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
39 92	0.23	111	3	NQH	05C	16.57	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
39 107	0.65	110	3	NQH	03H	12.07	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
40 58	0.42	86	3	NQH	02H	8.28	TEHTEC BOBBIN	SGCC039	560BOBMULCH	
40 78	0.65	67	3	NQH	02H	12.87	TEHTEC BOBBIN	SGCC047	560BOBMULCH	
	0.21	64	3	NQH	05H	1.06	TEHTEC BOBBIN	SGCC047	560BOBMULCH	
	0.71	95	3	NQH	06C	30.28	TEHTEC BOBBIN	SGCC047	560BOBMULCH	
40 102	0.49	88	3	NQH	02H	30.48	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
41 30	0.56	102	3	NQH	06H	23.31	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
41 36	0.40	100	3	NQH	03H	12.27	TEHTEC BOBBIN	SGCC037	560BOBMULCH	

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41 42	0.75		P 2	21	AV3	0.00	TEHTEC BOBBIN	SGCC042	560BOBMULCH	
41 54	0.43		P 2	13	AV1	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	0.52		P 2	15	AV3	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	0.43		P 2	13	AV4	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	0.60		P 2	17	AV5	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
41 61	0.70		P 2	19	AV3	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	1.86		P 2	35	AV4	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	1.88		P 2	35	AV5	0.00	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
41 62	0.92		P 2	24	AV2	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
	0.80		P 2	22	AV3	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
	0.84		P 2	23	AV4	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
	1.41		P 2	31	AV5	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
	0.20	107	3	NQH	06C	30.89	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
41 65	0.39		P 2	13	AV4	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
	0.42		P 2	14	AV5	0.00	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
42 20	0.82		P 2	20	AV2	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	1.04		P 2	24	AV3	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	1.03		P 2	23	AV4	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	1.22		P 2	26	AV5	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	0.65		P 2	17	AV6	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
42 23	0.89		P 2	21	AV3	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	1.46		P 2	29	AV4	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
	1.33		P 2	28	AV5	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
42 31	0.22	98	3	VOL	07H	18.01	07H08H MRPCDENT	SGCH043	560RPCPP3C	
	0.22	98	3	VOL	07H	18.01	07H08H MRPCDENT	SGCH043	560RPCPP3C	
42 37	0.46	84	3	NQH	AV6	8.97	TEHTEC BOBBIN	SGCC036	560BOBMULCH	
	0.40	91	3	NQH	07C	35.68	TEHTEC BOBBIN	SGCC036	560BOBMULCH	
	0.42	78	3	NQH	07C	35.05	TEHTEC BOBBIN	SGCC036	560BOBMULCH	
42 67	0.42	110	3	NQH	05C	35.69	TEHTEC BOBBIN	SGCC043	540BOBMULCH	
43 23	0.31	101	3	NQH	05H	9.62	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
43 23	0.82	70	3	NQH	03C	19.48	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
43 26	0.48	91	3	NQH	07H	4.61	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
43 35	0.27	76	3	NQH	06H	36.60	TEHTEC BOBBIN	SGCC037	560BOBMULCH	
43 40	0.27	53	3	NQH	05C	17.87	TEHTEC BOBBIN	SGCC037	560BOBMULCH	
43 59	0.58	86	3	NQH	02C	23.83	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
	0.54	93	3	NQH	02C	23.35	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
43 81	1.00	102	3	NQH	07H	15.08	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
44 94	0.60	79	3	NQH	AV1	17.12	TEHTEC BOBBIN	SGCC049	560BOBMULCH	
45 29	0.48	99	3	NQH	05C	15.51	TEHTEC BOBBIN	SGCC035	560BOBMULCH	LR
	0.73	103	3	NQH	05C	13.54	TEHTEC BOBBIN	SGCC035	560BOBMULCH	LR
45 57	0.25	77	3	NQH	AV1	15.76	TEHTEC BOBBIN	SGCC040	560BOBMULCH	
45 72	0.28	108	3	NQH	01C	16.89	TEHTEC BOBBIN	SGCC044	540BOBMULCH	
45 80	0.60	98	3	NQH	06H	15.69	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
45 88	1.65	193	P 1	IDC	TSH	691.17	TEHTEC BOBBIN	SGCC050	540BOBMULCH	LR
45 93	0.33	104	3	NQH	03C	19.57	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
46 33	0.78		P 2	19	AV6	0.00	TEHTEC BOBBIN	SGCC034	560BOBMULCH	
46 60	0.22	70	3	NQH	05H	7.76	TEHTEC BOBBIN	SGCC039	560BOBMULCH	
	1.18	103	3	NQH	AV5	7.19	TEHTEC BOBBIN	SGCC039	560BOBMULCH	
	0.78	109	3	NQH	AV5	6.51	TEHTEC BOBBIN	SGCC039	560BOBMULCH	
	0.32	92	3	NQH	06C	15.69	TEHTEC BOBBIN	SGCC039	560BOBMULCH	
46 72	0.73	98	3	NQH	01C	10.91	TEHTEC BOBBIN	SGCC043	540BOBMULCH	
46 76	0.24	134	1	TFH	AV6	19.94	TEHTEC BOBBIN	SGCC047	560BOBMULCH	
46 78	0.67	23	3	NQH	02C	16.71	TEHTEC BOBBIN	SGCC047	560BOBMULCH	
47 26	0.45	143	1	TFH	08H	4.92	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
47 30	0.40	114	1	TFH	08H	5.06	TEHTEC BOBBIN	SGCC035	560BOBMULCH	
47 75	2.30	68	6	NQH	TSH	5.81	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
47 82	0.77	100	3	NQH	05H	35.81	TEHTEC BOBBIN	SGCC048	540BOBMULCH	
47 83	0.37	104	3	NQH	02H	33.70	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
47 90	0.59	99	3	NQH	02H	30.18	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
47 96	0.29	94	3	NQH	05H	18.12	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
	0.44	100	3	NQH	06H	1.88	TEHTEC BOBBIN	SGCC050	540BOBMULCH	
47 99	0.52		P 2	15	AV6	0.00	TEHTEC BOBBIN	SGCC050	540BOBMULCH	

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1	
48 85	1.10	92	P 1	VOL	01C	18.07	01C02C	BOBBIN	SGCC075	560RCP33C	
49 73	0.47	74	3	NQH	04H	1.13	TEHTEC	BOBBIN	SGCC046	540BOBMULCH	
49 78	0.56		P 2	16	AV2	0.00	TEHTEC	BOBBIN	SGCC048	540BOBMULCH	
	1.56		P 2	32	AV3	0.00	TEHTEC	BOBBIN	SGCC048	540BOBMULCH	
	2.58		P 2	40	AV4	0.00	TEHTEC	BOBBIN	SGCC048	540BOBMULCH	LR
	2.49		P 2	PID	AV4	0.00	TEHTEC	BOBBIN	SGCC068	560BOBMULCH	
49 96	0.63		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGCC050	540BOBMULCH	
	1.22		P 2	28	AV6	0.00	TEHTEC	BOBBIN	SGCC050	540BOBMULCH	
50 28	0.40		P 2	11	AV2	0.00	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
	0.41		P 2	11	AV3	0.00	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
	0.39		P 2	11	AV4	0.00	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
	0.85		P 2	20	AV5	0.00	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
	0.52		P 2	14	AV6	0.00	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
50 64	2.00	73	6	NQH	TSC	5.57	TEHTEC	BOBBIN	SGCC043	540BOBMULCH	
50 65	0.42	98	3	NQH	02C	38.84	TEHTEC	BOBBIN	SGCC043	540BOBMULCH	
50 82	0.57	72	3	NQH	05H	20.52	TEHTEC	BOBBIN	SGCC047	560BOBMULCH	
50 94	1.50		P 2	31	AV4	0.00	TEHTEC	BOBBIN	SGCC049	560BOBMULCH	
	2.17		P 2	38	AV5	0.00	TEHTEC	BOBBIN	SGCC049	560BOBMULCH	
	0.79		P 2	19	AV6	0.00	TEHTEC	BOBBIN	SGCC049	560BOBMULCH	
51 38	0.22	88	5	NQH	03C	9.06	TEHTEC	BOBBIN	SGCC037	560BOBMULCH	
51 62	0.42	267	10	PLP	TSH	0.20	TSHTSH	MRPCTSH	SGCH029	560RCP33C	LR
51 63	0.34	267	10	PLP	TSH	0.12	TSHTSH	MRPCTSH	SGCH029	560RCP33C	LR
52 32	0.69	105	3	NQH	AV5	23.21	TEHTEC	BOBBIN	SGCC034	560BOBMULCH	
52 39	1.15	75	6	NQH	04C	13.04	TEHTEC	BOBBIN	SGCC036	560BOBMULCH	
52 86	2.05	83	6	NQH	07C	35.48	TEHTEC	BOBBIN	SGCC049	560BOBMULCH	
53 51	0.44	55	3	NQH	06C	19.40	TEHTEC	BOBBIN	SGCC042	560BOBMULCH	
	0.30	86	3	NQH	06C	18.83	TEHTEC	BOBBIN	SGCC042	560BOBMULCH	
	0.46	74	3	NQH	06C	17.13	TEHTEC	BOBBIN	SGCC042	560BOBMULCH	
	0.19	113	3	NQH	04C	33.77	TEHTEC	BOBBIN	SGCC042	560BOBMULCH	
53 69	0.38	84	3	NQH	AV1	18.23	TEHTEC	BOBBIN	SGCC044	540BOBMULCH	
54 36	0.52		P 2	12	AV3	0.00	TEHTEC	BOBBIN	SGCC036	560BOBMULCH	
	0.67		P 2	15	AV4	0.00	TEHTEC	BOBBIN	SGCC036	560BOBMULCH	
54 54	1.05	108	3	NQH	AV3	10.45	TEHTEC	BOBBIN	SGCC039	560BOBMULCH	LR
55 70	0.62	114	1	NQH	AV6	19.81	TEHTEC	BOBBIN	SGCC044	540BOBMULCH	
56 41	0.61		P 2	17	AV2	0.00	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
	0.72		P 2	19	AV4	0.00	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
	1.04		P 2	25	AV5	0.00	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
	0.60		P 2	17	AV6	0.00	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
56 44	0.55		P 2	14	AV4	0.00	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
56 59	0.29	51	3	NQH	07C	4.30	TEHTEC	BOBBIN	SGCC039	560BOBMULCH	
57 46	0.42	86	3	NQH	03C	36.36	TEHTEC	BOBBIN	SGCC041	560BOBMULCH	
57 54	0.32	83	3	NQH	02H	37.87	TEHTEC	BOBBIN	SGCC040	560BOBMULCH	
	1.09	82	3	NQH	06C	1.64	TEHTEC	BOBBIN	SGCC040	560BOBMULCH	
57 71	0.44	110	3	NQH	TSC	14.60	TEHTEC	BOBBIN	SGCC044	540BOBMULCH	
57 79	0.80	115	3	NQH	AV1	9.63	TEHTEC	BOBBIN	SGCC047	560BOBMULCH	
	0.36	120	3	NQH	AV1	13.46	TEHTEC	BOBBIN	SGCC047	560BOBMULCH	
58 55	0.33	87	3	NQH	04C	22.64	TEHTEC	BOBBIN	SGCC039	560BOBMULCH	
	0.77	106	3	NQH	01C	11.80	TEHTEC	BOBBIN	SGCC039	560BOBMULCH	
58 66	0.58	99	3	NQH	02H	35.79	TEHTEC	BOBBIN	SGCC043	540BOBMULCH	

TOTAL TUBES: 265

Docket No. 50-423
B17962

Attachment 4

Millstone Nuclear Power Station, Unit No. 3

Steam Generator D

February 2000

Attachment 4 Steam Generator D

Section	Description
4-1	Bobbin Inspection Plan Tubes Tested with Bobbin Full Length (Map) Tubes Tested with Bobbin CL Exam (Map) MRPC TSC Exams (Map) Map of all Tubes Plugged
4-2	ECT Results All indications

Attachment 4-1

Bobbin Inspection Plan

Tubes Tested with Bobbin Full Length (Map)

Tubes Tested with Bobbin CL Exam (Map)

MRPC TSC Exams (Map)

Map of all Tubes Plugged

ROW

50

40

30

20

10

COL

110

100

90

80

70

60

50

40

30

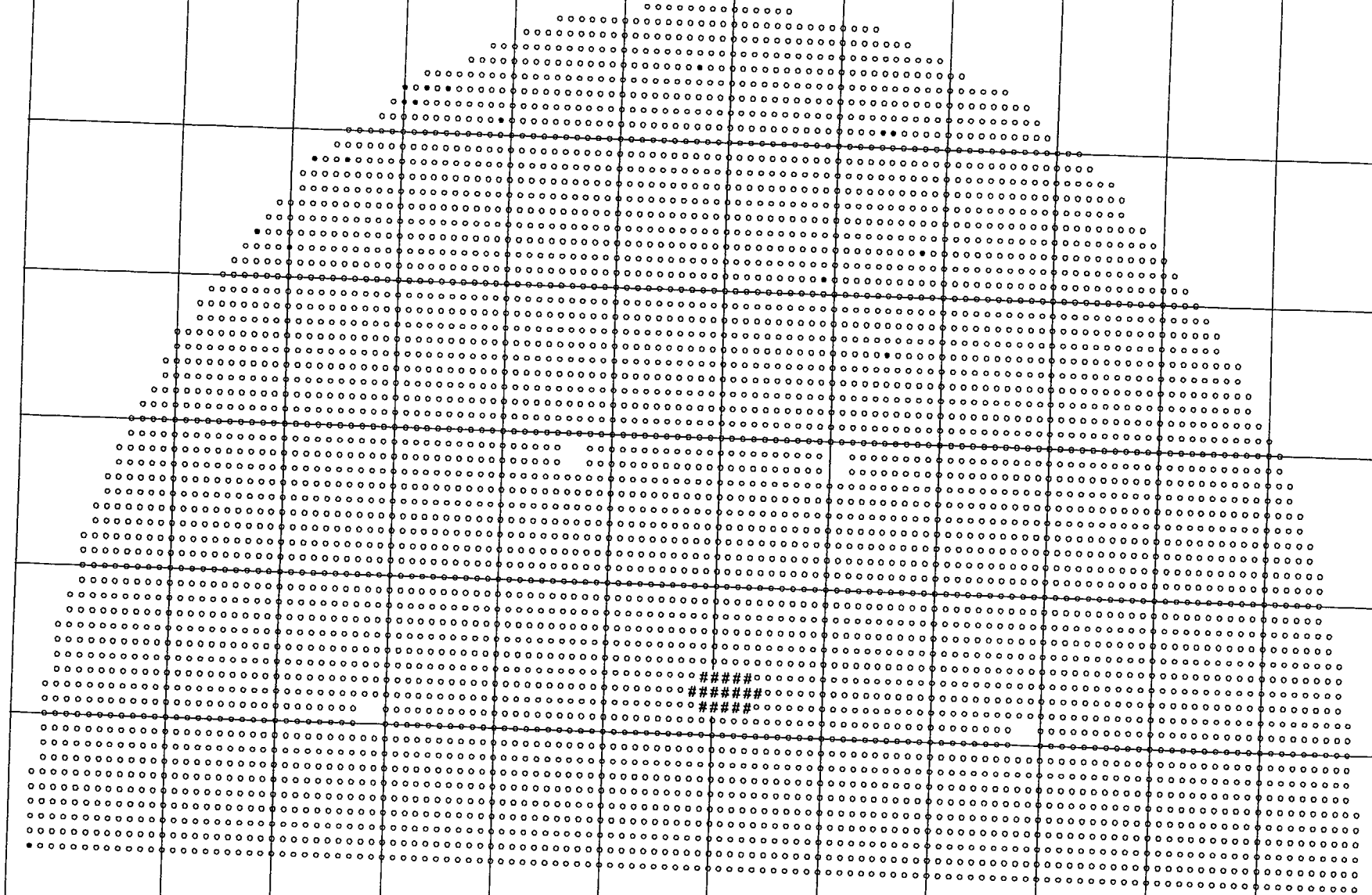
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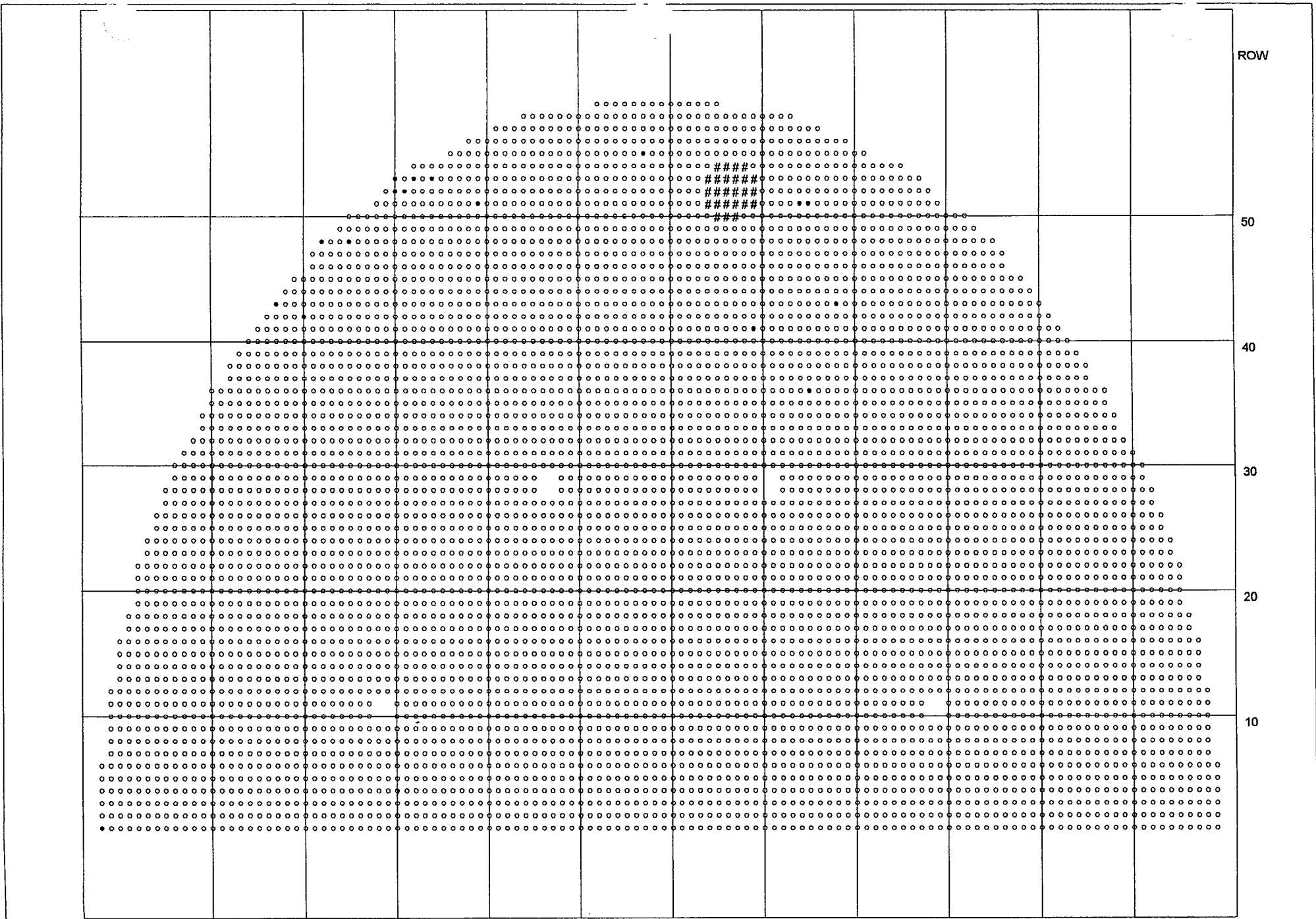
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: 17 : Tubes Tested with Bobbin, Full Length Exam, TEHTEC

NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR D
05/25/99
ABB CENO

17 Plugged



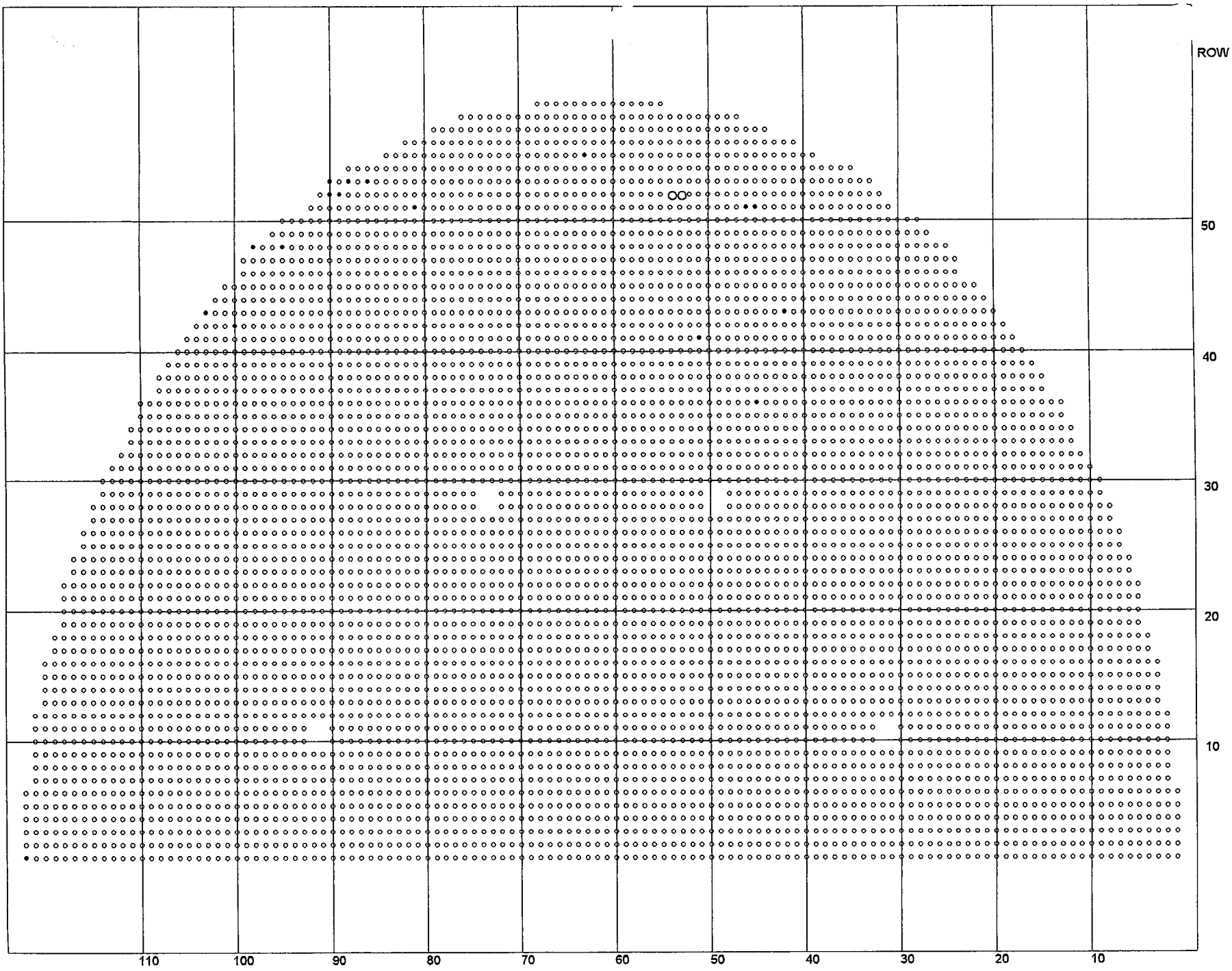


: 25 : Tubes Tested with Bobbin, Cold Leg Exam, 01CTEC

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR D
 05/25/99

17 Plugged

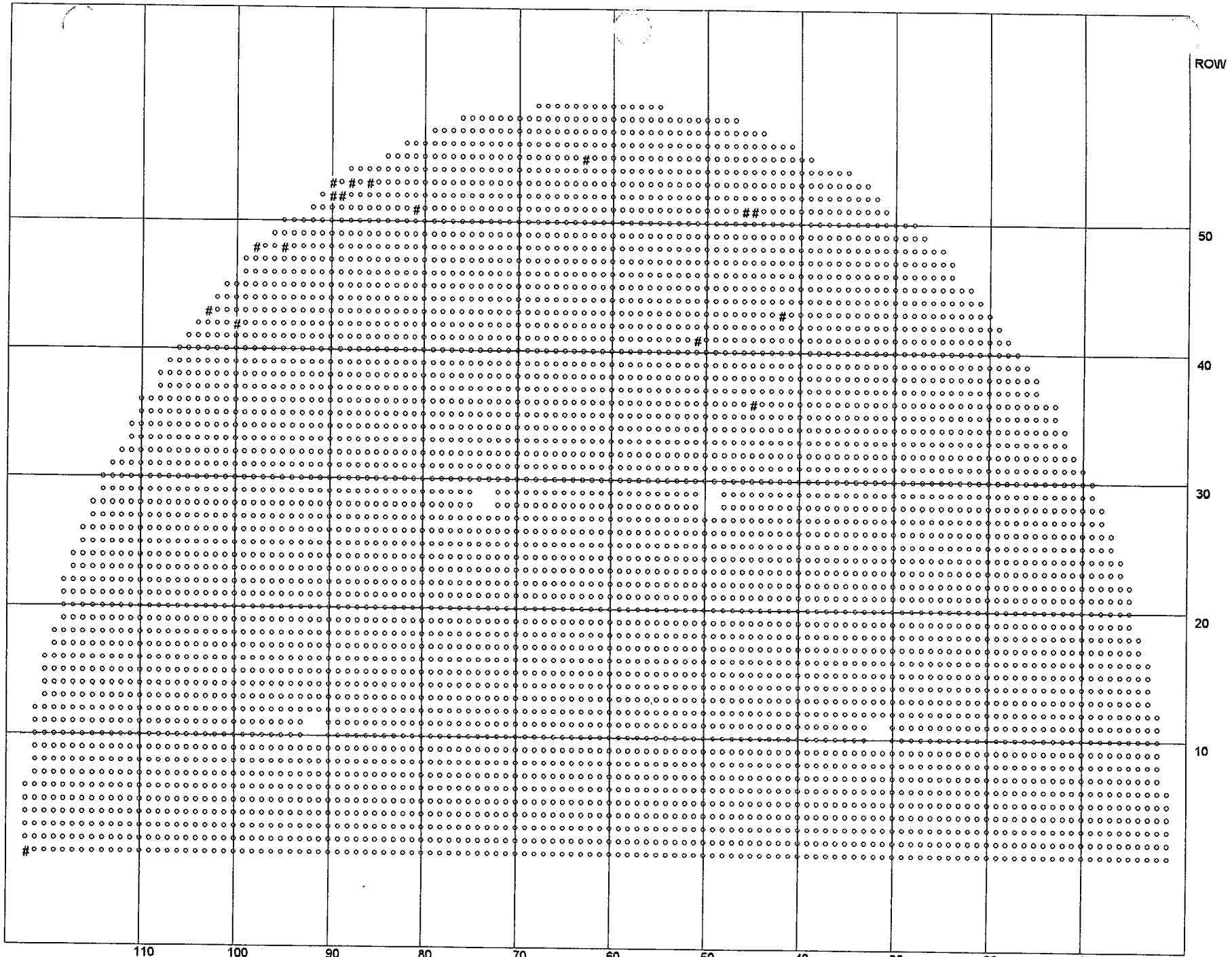
ABB CENO



O : 2 : MRPC TSC EXAMS

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR D
 05/18/99
 ABB CENO

17 Plugged



COL

ROW

#: 17: SGD PLUGGED TUBES

NORTHEAST UTILITIES MILLSTONE 3
 STEAM GENERATOR D
 05/18/99
 ABB CENO

Attachment 4-2

ECT Results

All indications

NORTHEAST UTILITIES
 MILLSTONE UNIT 3
 COMPONENT: SG D
 OUTAGE: 9905

Date: 05/18/99
 Page: 1

All Indications Report

Row/Col	Volts	Deg	CH	Ind. Desc.	Indication Location	Extent Tested	Dataset	Cal	Probe	Util1
52 53	0.56	159	8	PLP	TSC	1.09	01CTEC BOBBIN	SGDC001	560BOBMULCHF	
	0.33	150	1	NQS	TSC	0.62	01CTEC BOBBIN	SGDC001	560BOBMULCHF	
	0.47	87	10	PLP	TSC	1.22	TSC+6/ MRPCTSC	SGDC003	560RPCPP3C	LR
52 54	1.38	151	P 1	INR	TSC	0.03	01CTEC BOBBIN	SGDC001	560BOBMULCHF	LR
	3.32		P 5	35	TSC	0.35	TSC+6/ MRPCTSC	SGDC003	560RPCPP3C	LR
	0.47	85	10	PLP	TSC	0.13	TSC+6/ MRPCTSC	SGDC003	560RPCPP3C	LR

TOTAL TUBES: 2