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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. Feedring 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 ≥ 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

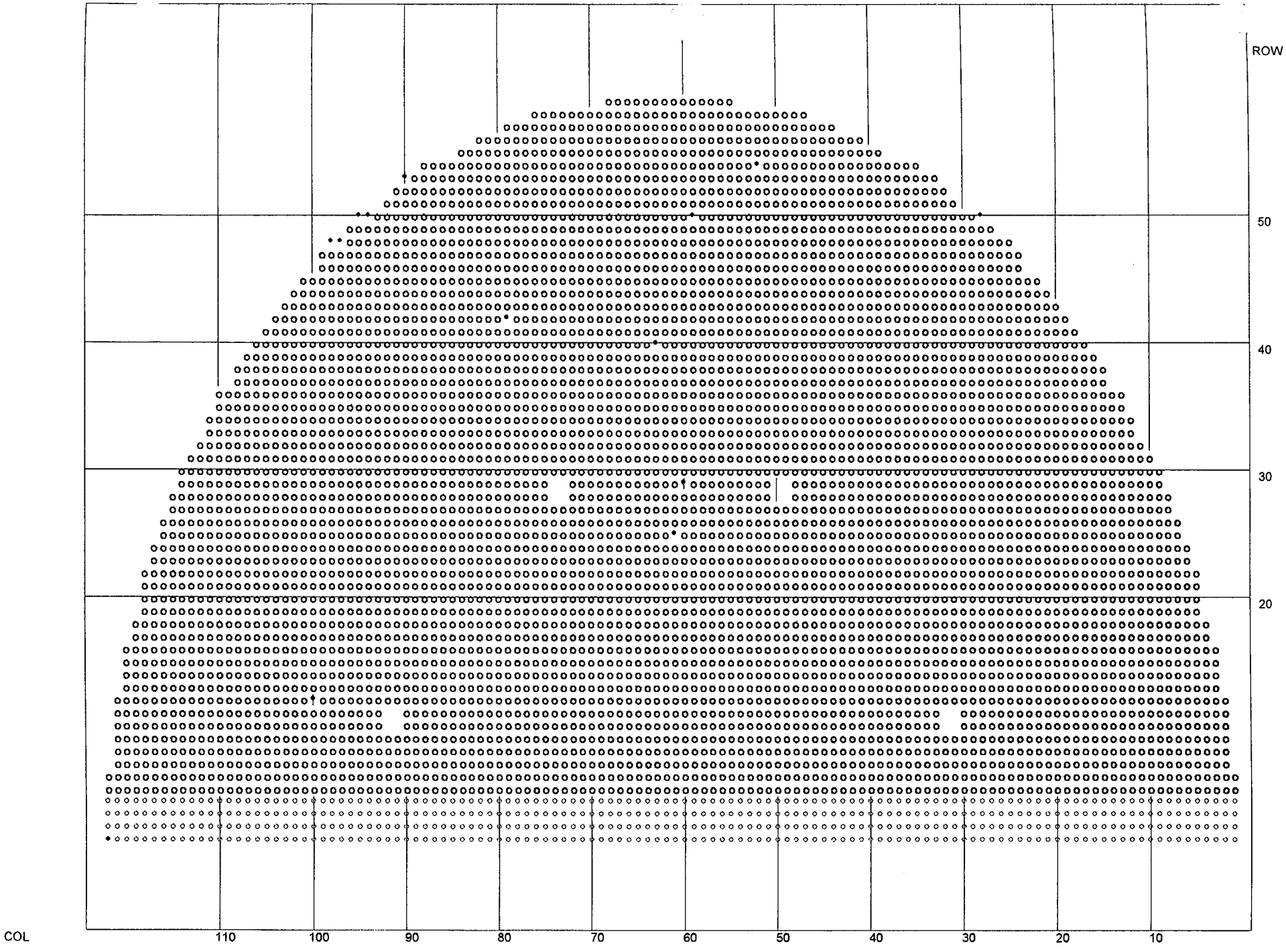
Attachment 2
Steam Generator A

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)

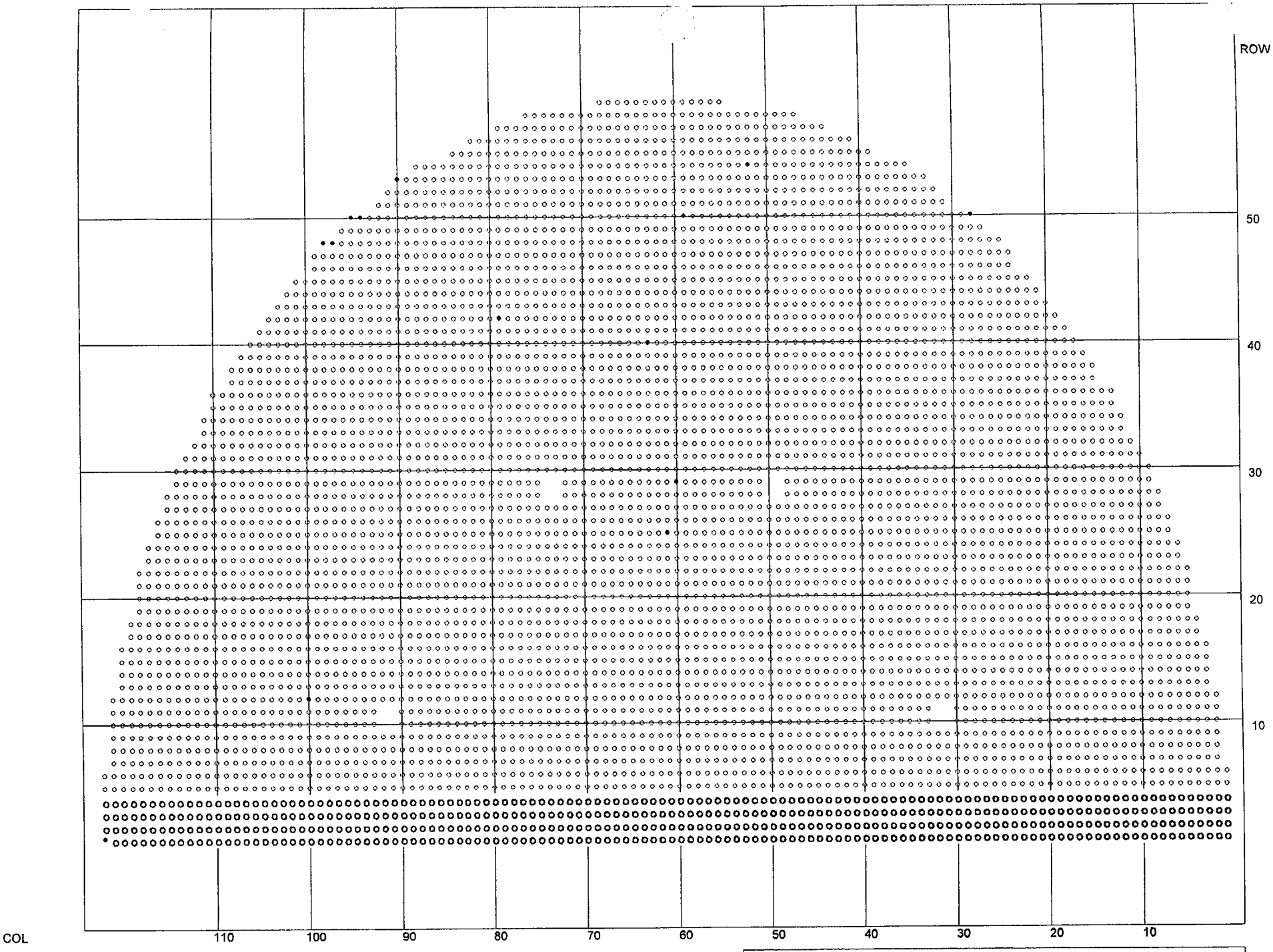


o : 5125 : SGA F/L BOBBIN EXAMS

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

ABB CENO

14 Plugged

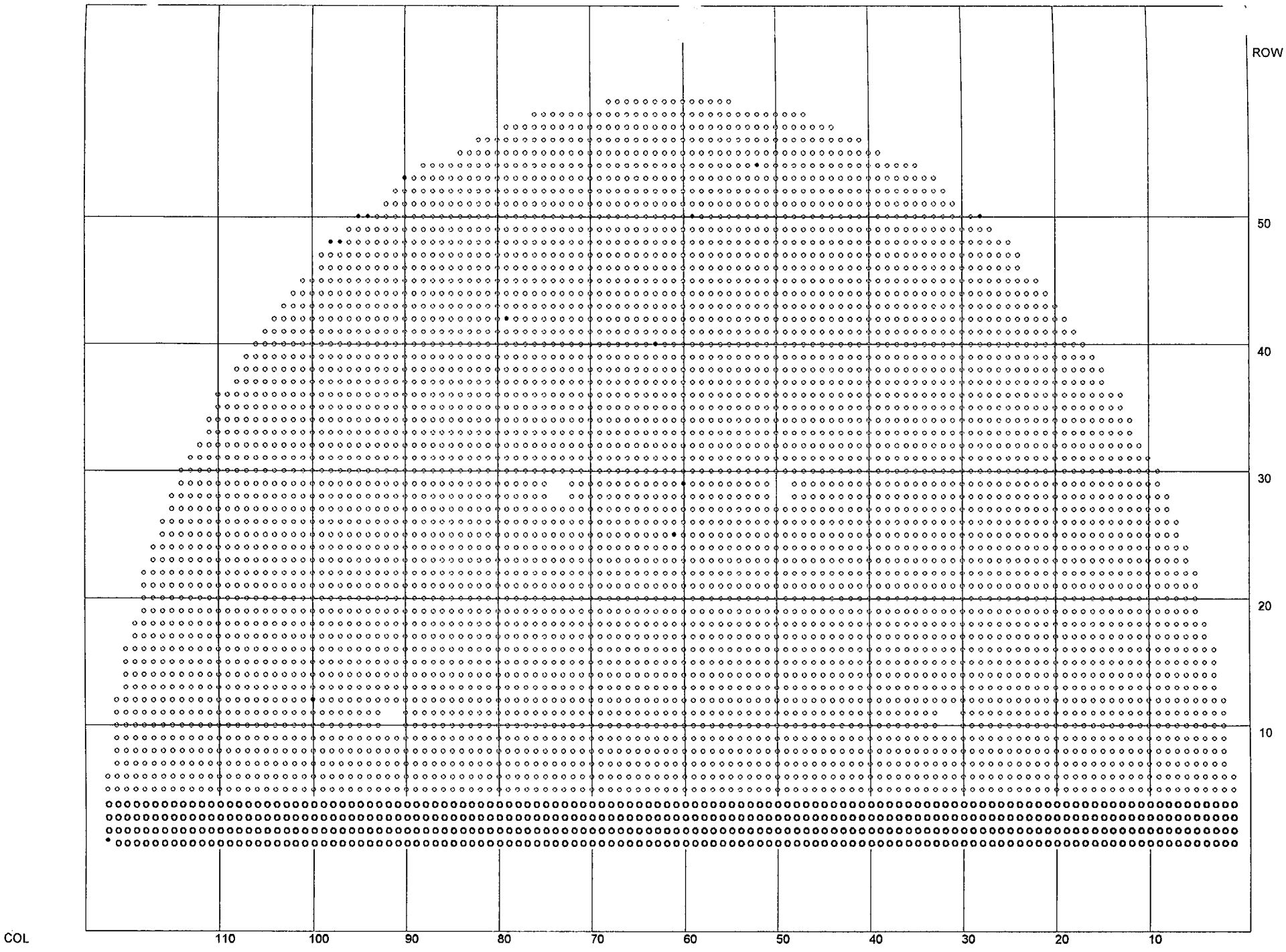


o : 487 : SGA BOBBIN EXAMS 08H-TEH

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

ABB CENO

14 Plugged



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

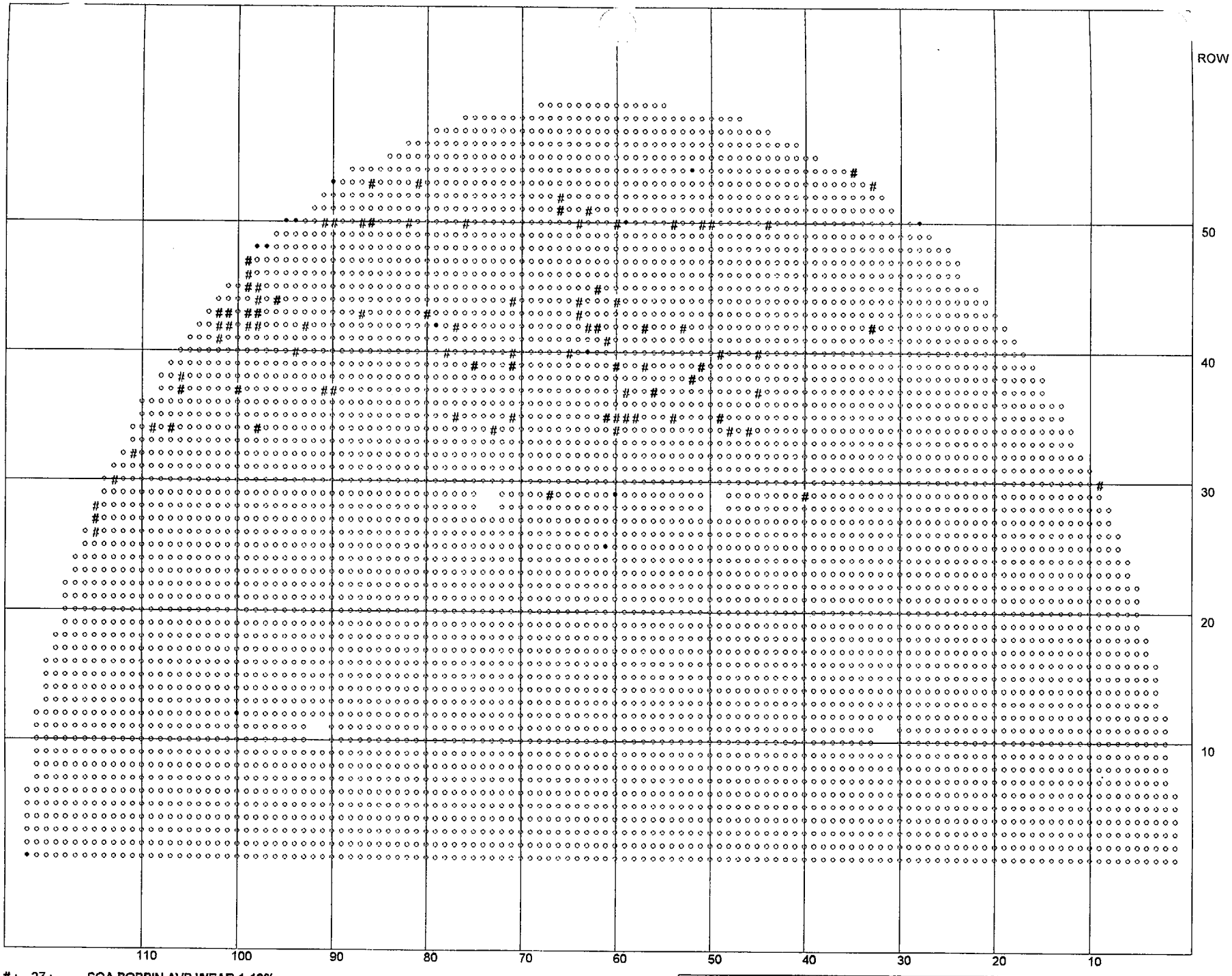
ABB CENO

14 Plugged

Attachment 2-2

AVB Flaws

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



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

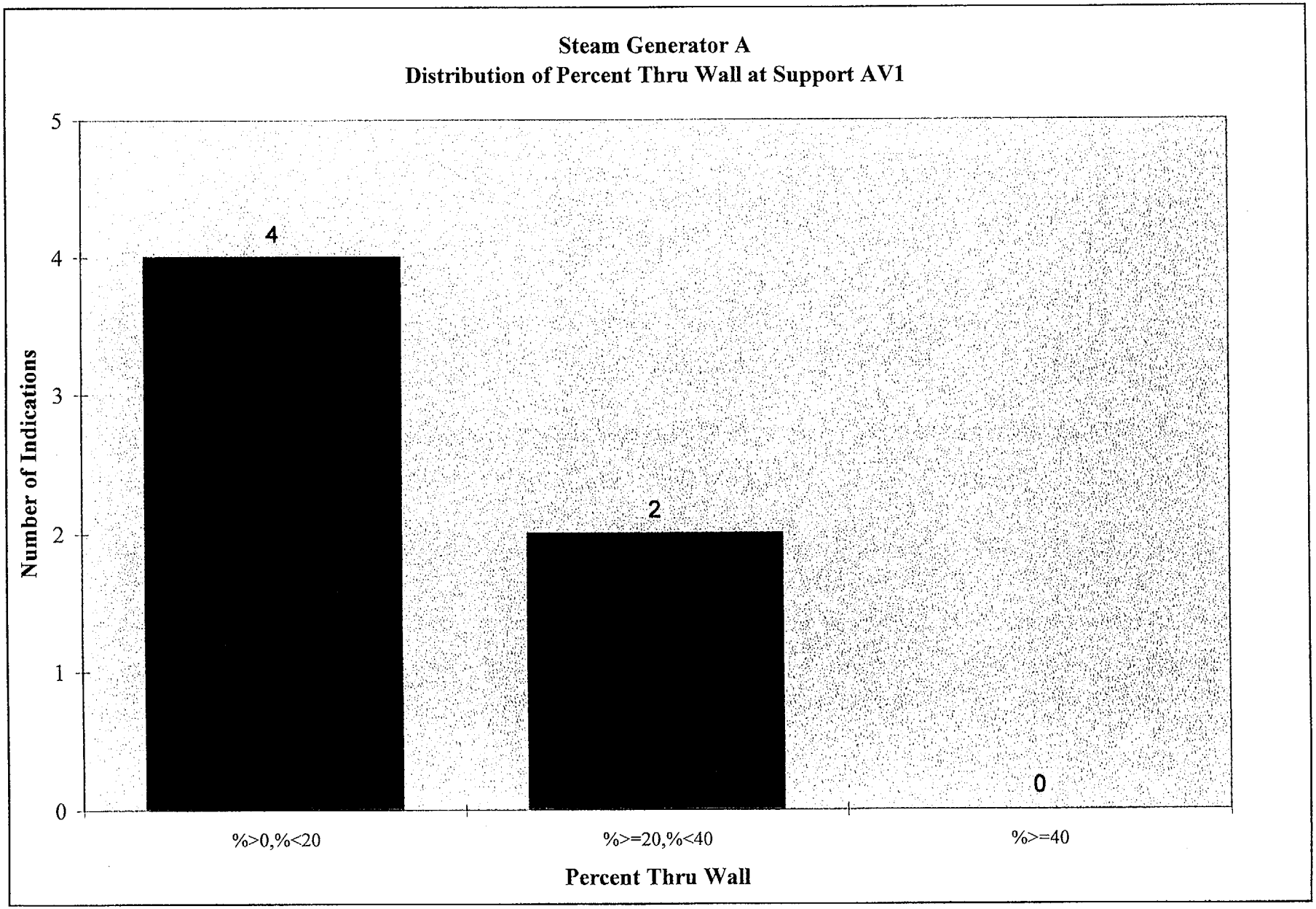
14 Plugged

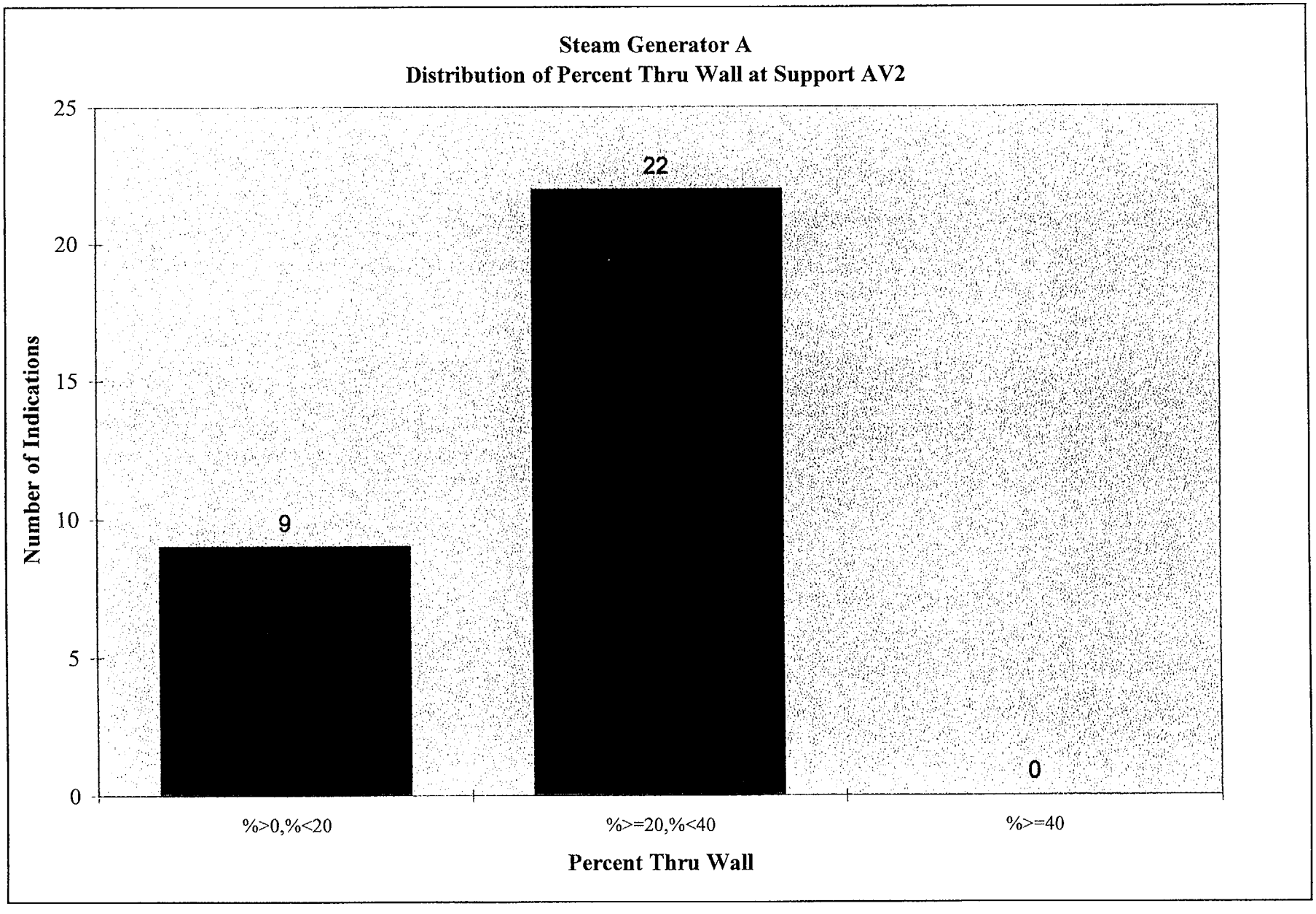
NORTHEAST UTILITIES MILLSTONE UNIT 3
STEAM GENERATOR A
05/17/99

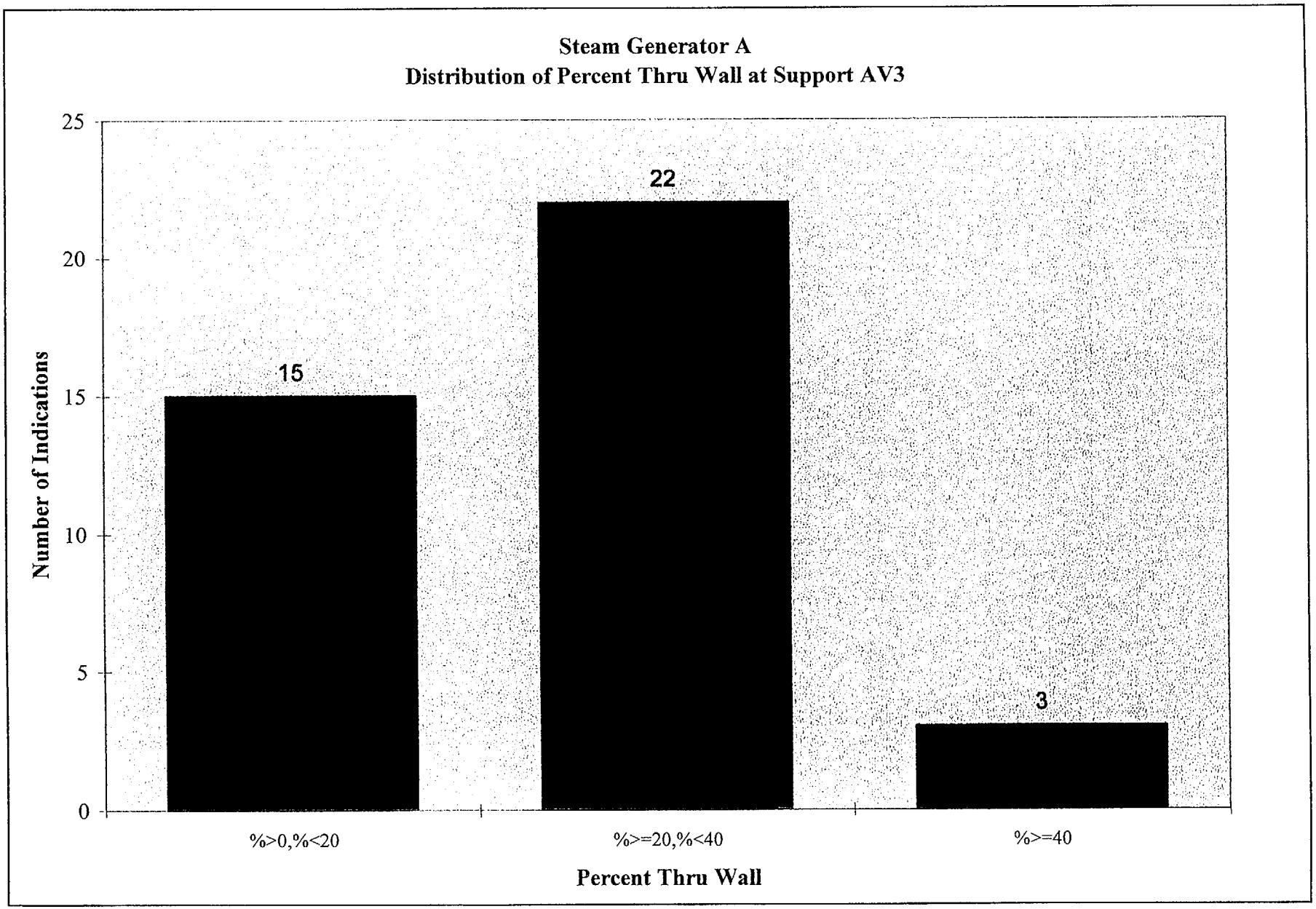
ABB CENO

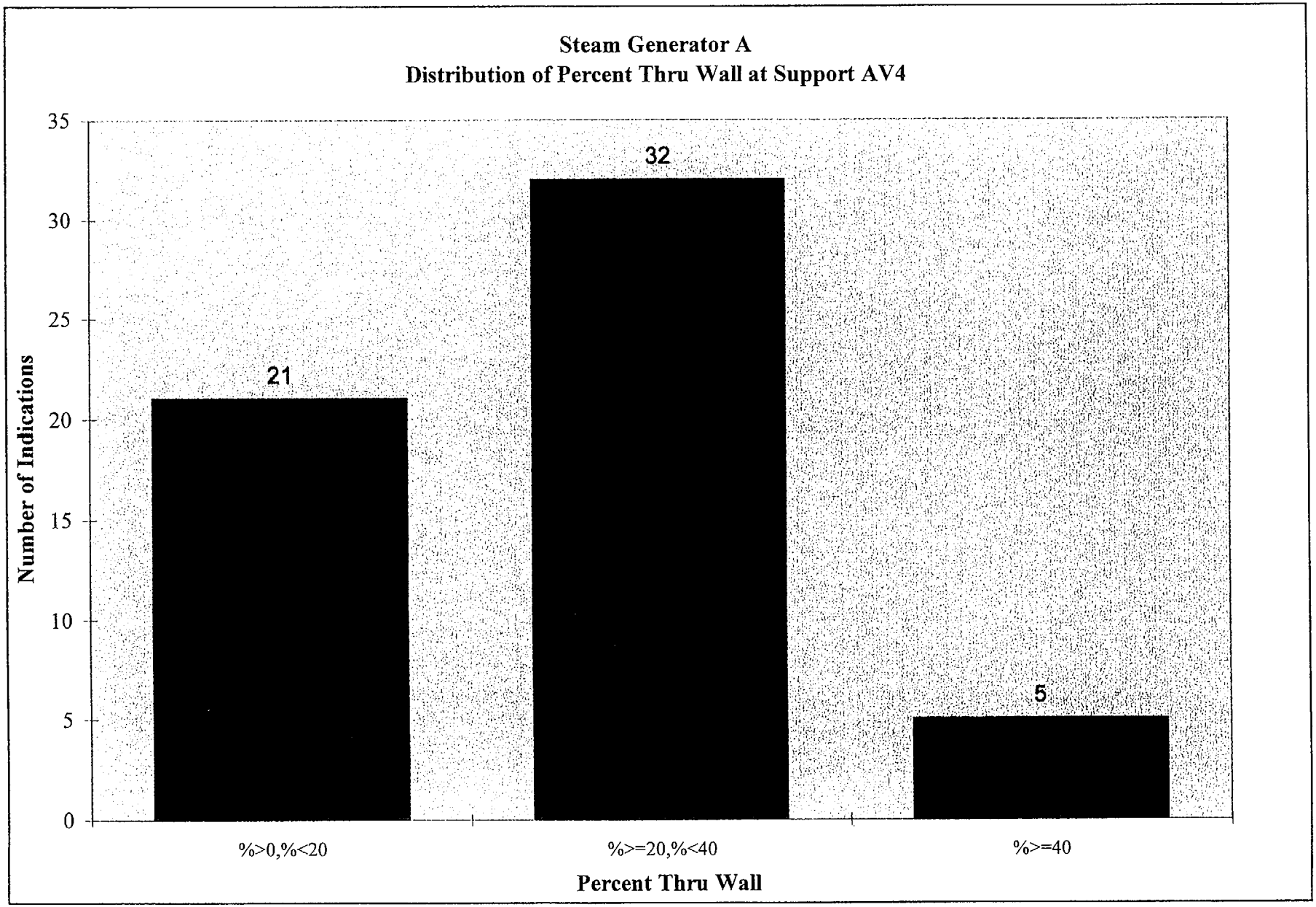
STEAM GENERATOR A's
TOTAL NUMBER OF PERCENT THRU WALL AT EACH AVB SUPPORT

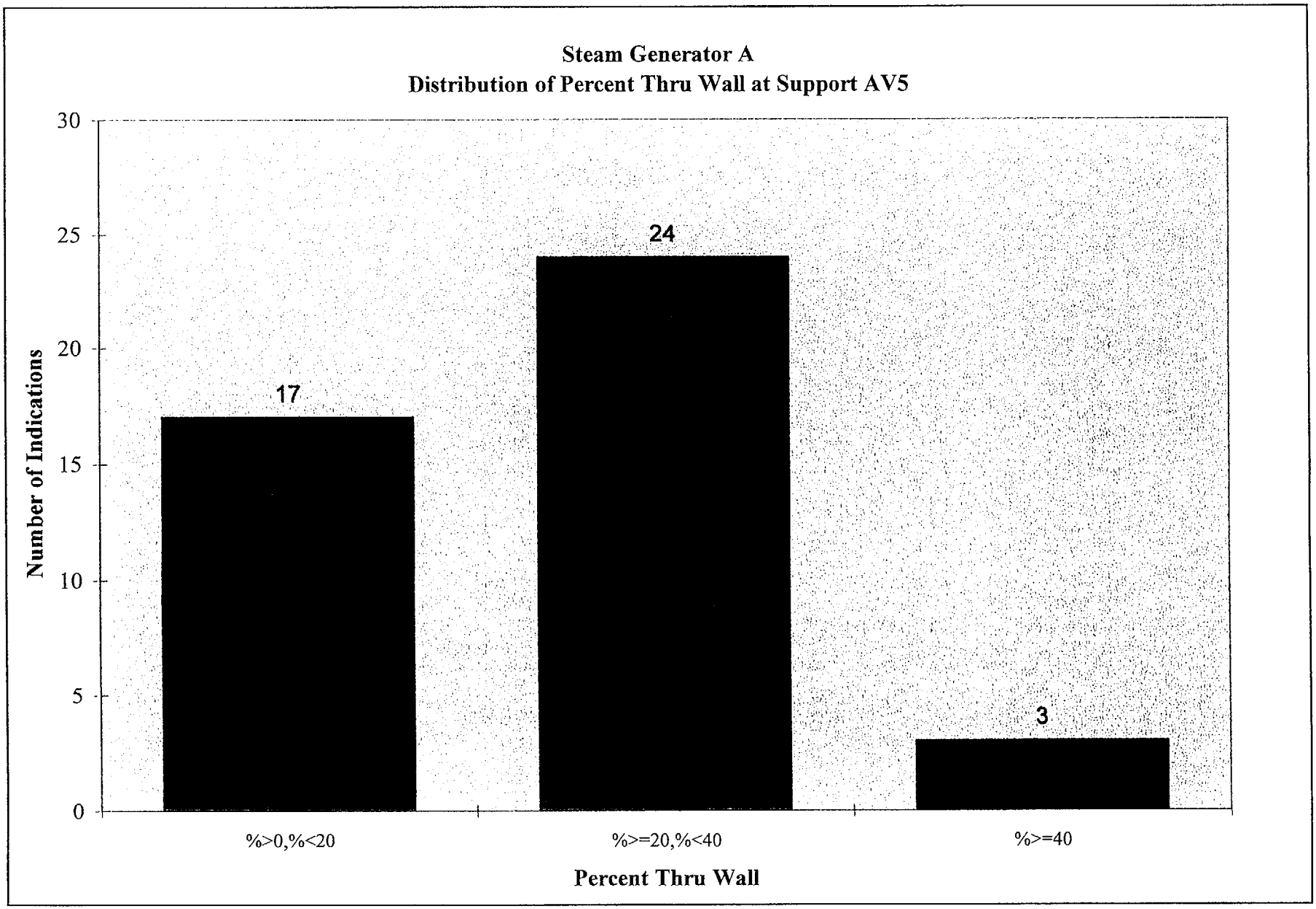
Percent Thru Wall	AV1	AV2	AV3	AV4	AV5	AV6	Total Per Percentage Range
1-19%	4	9	15	21	17	6	72
20-39%	2	22	22	32	24	3	105
GE 40%	0	0	3	5	3	0	11
Total Per Support	6	31	40	58	44	9	188

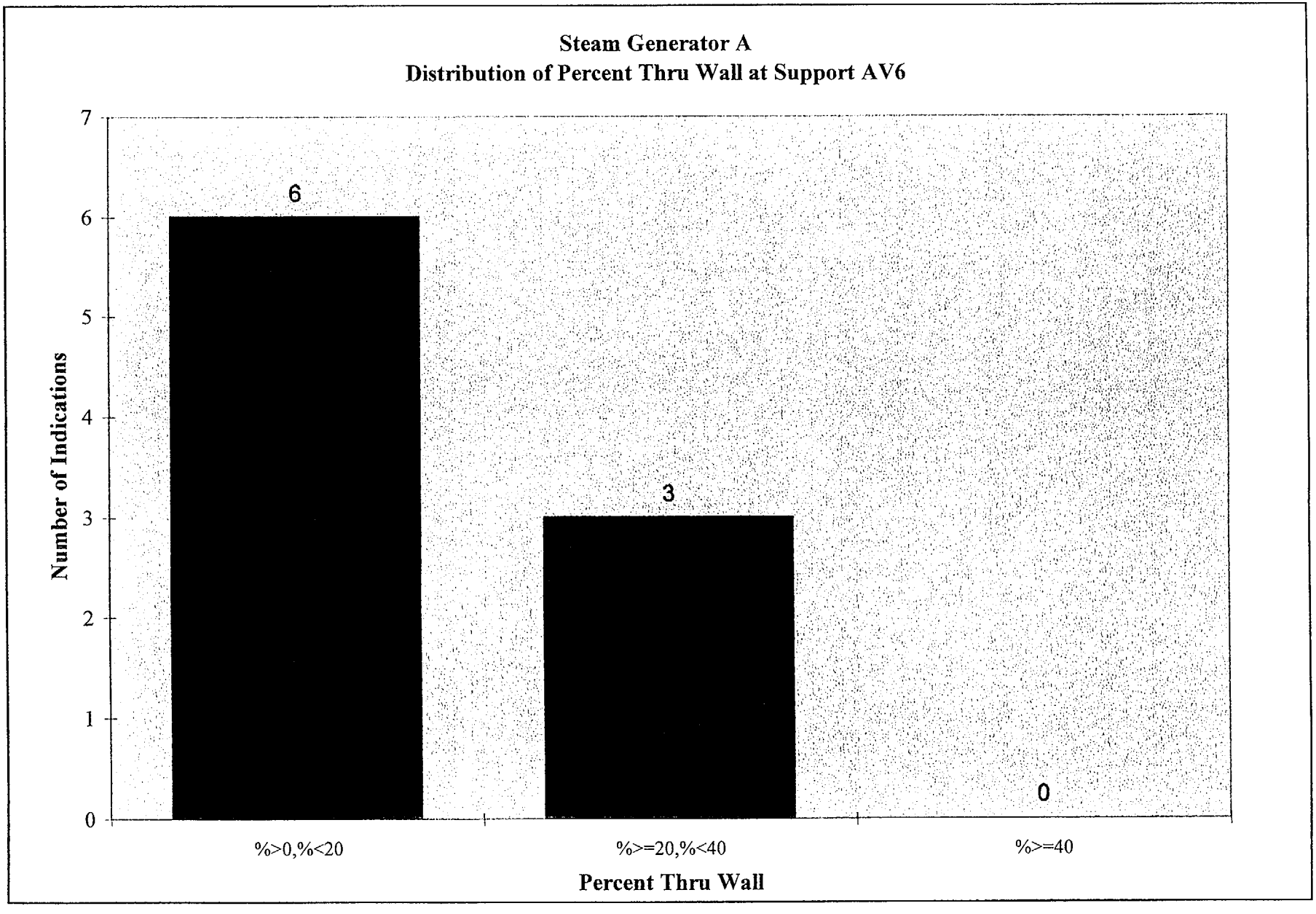

Steam Generator A
Distribution of Percent Thru Wall at Support AV1
Number of Indications
5
4
3
2
1
0
4
2
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator A
Distribution of Percent Thru Wall at Support AV2
Number of Indications
25
20
15
10
5
0
9
22
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator A
Distribution of Percent Thru Wall at Support AV3
Number of Indications
25
20
15
10
5
0
15
22
3
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator A
Distribution of Percent Thru Wall at Support AV4
Number of Indications
35
30
25
20
15
10
5
0
21
32
5
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator A
Distribution of Percent Thru Wall at Support AV5
Number of Indications
30
25
20
15
10
5
0
17
24
3
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator A
Distribution of Percent Thru Wall at Support AV6
Number of Indications
7
6
5
4
3
2
1
0
6
3
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall

NORTHEAST UTILITIES
MILLSTONE UN
COMPONENT: SG_A
OUTAGE: 9905

Date: 05/18/99
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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		
							TEHTEC	SLUDGE	SGAC013	560BOB		
	1.42		P 2	31	AV5	0.00	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		
							TEHTEC	SLUDGE	SGAC018	560BOB		
	1.93		P 2	36	AV5	0.00	TEHTEC	BOBBIN	SGAC018	560BOB		
54 35												
	0.70		P 2	19	AV5	-0.13	TEHTEC	BOBBIN	SGAC021	560BOB		
							TEHTEC	SLUDGE	SGAC021	560BOB		
	0.70		P 2	19	AV5	-0.13	TEHTEC	BOBBIN	SGAC021	560BOB		
29 40												
	0.45		P 2	15	AV2	0.00	TEHTEC	BOBBIN	SGAC045	560BOB		
							TEHTEC	SLUDGE	SGAC045	560BOB		
							TSHTSH	MRPCTSH	SGAH021	560RPC		
	0.45		P 2	15	AV2	0.00	TEHTEC	BOBBIN	SGAC045	560BOB		
50 44												
	1.20		P 2	28	AV5	0.00	TEHTEC	BOBBIN	SGAC028	560BOB		
							TEHTEC	SLUDGE	SGAC028	560BOB		
	1.20		P 2	28	AV5	0.00	TEHTEC	BOBBIN	SGAC028	560BOB		
37 45												
	1.00		P 2	24	AV2	-0.16	TEHTEC	BOBBIN	SGAC029	560BOB		
							TEHTEC	SLUDGE	SGAC029	560BOB		
							TSHTSH	MRPCTSH	SGAH035	560RPC		
	1.00		P 2	24	AV2	-0.16	TEHTEC	BOBBIN	SGAC029	560BOB		
40 45												
	0.99		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC028	560BOB		
							TEHTEC	SLUDGE	SGAC028	560BOB		
							TSHTSH	MRPCTSH	SGAH034	560RPC		
	0.99		P 2	24	AV4	0.00	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		
							TSHTSH	MRPCTSH	SGAH038	560RPC		
	1.19		P 2	28	AV5	0.00	TEHTEC	BOBBIN	SGAC056	560BOB		
	1.18		P 2	28	AV6	0.00	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		
							TSHTSH	MRPCTSH	SGAH038	560RPC		
	0.66		P 2	18	AV2	0.00	TEHTEC	BOBBIN	SGAC056	560BOB		
	1.25		P 2	29	AV3	0.00	TEHTEC	BOBBIN	SGAC056	560BOB		

NORTHEAST UTILITIES
MILLSTONE UN
COMPONENT: SG_A
OUTAGE: 9905

Date: 05/18/99
Page: 2

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		
							TEHTEC	SLUDGE	SGAC057	560BOB		
	0.41		P 2	13	AV5	0.00	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		
							TEHTEC	SLUDGE	SGAC028	560BOB		
	2.41		P 2	PID	AV4	0.00	TEHTEC	BOBBIN	SGAC079	560BOB		
	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		
50 50												
	0.80		P 2	21	AV4	0.00	TEHTEC	BOBBIN	SGAC028	560BOB		
							TEHTEC	SLUDGE	SGAC028	560BOB		
	0.80		P 2	21	AV4	0.00	TEHTEC	BOBBIN	SGAC028	560BOB		
39 51												
	0.48		P 2	14	AV3	-0.29	TEHTEC	BOBBIN	SGAC029	560BOB		
							TEHTEC	SLUDGE	SGAC029	560BOB		
	0.48		P 2	14	AV3	-0.29	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		
							TEHTEC	SLUDGE	SGAC028	560BOB		
	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		
38 52												
	0.56		P 2	17	AV2	0.23	TEHTEC	BOBBIN	SGAC030	560BOB		
							TEHTEC	SLUDGE	SGAC030	560BOB		
	0.56		P 2	17	AV2	0.23	TEHTEC	BOBBIN	SGAC030	560BOB		
42 53												
	0.78		P 2	22	AV4	-0.15	TEHTEC	BOBBIN	SGAC030	560BOB		
							TEHTEC	SLUDGE	SGAC030	560BOB		
							TSHTSH	MRPCTSH	SGAH036	560RPC		
	0.78		P 2	22	AV4	-0.15	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		
							TEHTEC	SLUDGE	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		
							TSHTSH	MRPCTSH	SGAH037	560RPC		
	0.43		P 2	14	AV3	0.10	TEHTEC	BOBBIN	SGAC031	560BOB		
	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		
							TSHTSH	PLPE1	SGAH066	560RPC		
	0.99		P 2	25	AV2	-0.16	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		
							TEHTEC	SLUDGE	SGAC055	560BOB		
	0.99		P 2	25	AV2	0.05	TEHTEC	BOBBIN	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		
							TEHTEC	SLUDGE	SGAC031	560BOB		
	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		
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		
							TEHTEC	SLUDGE	SGAC054	560BOB		
	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		
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		
							TEHTEC	SLUDGE	SGAC055	560BOB		
	0.74		P 2	21	AV4	-0.10	TEHTEC	BOBBIN	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		
							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		
							TEHTEC	SLUDGE	SGAC030	560BOB		
	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		
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	
							TEHTEC	SLUDGE	SGAC030	560BOB		
	2.79		P 2	PID	AV3	0.25	TEHTEC	BOBBIN	SGAC079	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	08H08H	MRPCDENT	SGAH058	560RPC		
	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	

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	SGAC055	560BOB		
							TEHTEC	SLUDGE	SGAC055	560BOB		
							TSHTSH	MRPCTSH	SGAH039	560RPC		
	0.35		P 2	11	AV4	0.18	TEHTEC	BOBBIN	SGAC055	560BOB		
41 61												
	0.62		P 2	18	AV3	-0.03	TEHTEC	BOBBIN	SGAC031	560BOB		
	0.97		P 2	25	AV4	-0.08	TEHTEC	BOBBIN	SGAC031	560BOB		
							TEHTEC	SLUDGE	SGAC031	560BOB		
							TSHTSH	MRPCTSH	SGAH037	560RPC		
	0.62		P 2	18	AV3	-0.03	TEHTEC	BOBBIN	SGAC031	560BOB		
	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	SGAC032	560BOB	LR	
							TEHTEC	SLUDGE	SGAC032	560BOB		
	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	SGAC079	560BOB		
							TSHTSH	MRPCTSH	SGAH040	560RPC		
	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	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	SGAC033	560BOB		
							TEHTEC	SLUDGE	SGAC033	560BOB		
	2.36		P 2	PID	AV4	0.00	TEHTEC	BOBBIN	SGAC079	560BOB		
							TSHTSH	MRPCTSH	SGAH041	560RPC		
	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		
42 63												
	0.73		P 2	20	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOB		
	0.41		P 2	13	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOB		
							TEHTEC	SLUDGE	SGAC032	560BOB		
							TSHTSH	MRPCTSH	SGAH040	560RPC		
	0.73		P 2	20	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOB		
	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
							TEHTEC	SLUDGE	SGAC025	560BOB		
	0.62		P 2	18	AV2	-0.16	TEHTEC	BOBBIN	SGAC025	560BOB		
35 71												
	0.71	123	3	INR	02H	27.96	TEHTEC	BOBBIN	SGAC025	560BOB		
	0.93		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC025	560BOB		
							TEHTEC	SLUDGE	SGAC025	560BOB		
							TSHTSH	MRPCTSH	SGAH037	560RPC		
	0.93		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC025	560BOB		
39 71												
	0.46		P 2	11	AV4	0.31	TEHTEC	BOBBIN	SGAC035	560BOB		
	0.59		P 2	17	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB		
							TEHTEC	SLUDGE	SGAC035	560BOB		
							TSHTSH	MRPCTSH	SGAH043	560RPC		
	0.46		P 2	11	AV4	0.31	TEHTEC	BOBBIN	SGAC035	560BOB		
	0.59		P 2	17	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB		
40 71												
	0.80		P 2	23	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
							TEHTEC	SLUDGE	SGAC034	560BOB		
							TEHTSH	MRPCTSH	SGAH042	560RPC		
	0.80		P 2	23	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
44 71												
	1.79		P 2	37	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
							TEHTEC	SLUDGE	SGAC034	560BOB		
							TSHTSH	MRPCTSH	SGAH042	560RPC		
	1.79		P 2	37	AV5	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
34 73												
	0.88		P 2	24	AV4	0.18	TEHTEC	BOBBIN	SGAC026	560BOB		
	1.35		P 2	31	AV5	-0.20	TEHTEC	BOBBIN	SGAC026	560BOB		
							TEHTEC	SLUDGE	SGAC026	560BOB		
	0.88		P 2	24	AV4	0.18	TEHTEC	BOBBIN	SGAC026	560BOB		
	1.35		P 2	31	AV5	-0.20	TEHTEC	BOBBIN	SGAC026	560BOB		
39 75												
	0.61		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB		
							TEHTEC	SLUDGE	SGAC035	560BOB		
	0.61		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC035	560BOB		
50 76												
	0.73		P 2	22	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
	0.61		P 2	19	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
							TEHTEC	SLUDGE	SGAC034	560BOB		
	0.73		P 2	22	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
	0.61		P 2	19	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
35 77												
	0.33		P 2	13	AV2	-0.03	TEHTEC	BOBBIN	SGAC027	560BOB		
	0.65		P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC027	560BOB		
	0.36		P 2	14	AV4	0.00	TEHTEC	BOBBIN	SGAC027	560BOB		
							TEHTEC	SLUDGE	SGAC027	560BOB		
							TSHTSH	MRPCTSH	SGAH037	560RPC		
	0.33		P 2	13	AV2	-0.03	TEHTEC	BOBBIN	SGAC027	560BOB		
	0.65		P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC027	560BOB		
	0.36		P 2	14	AV4	0.00	TEHTEC	BOBBIN	SGAC027	560BOB		
42 77												
	0.84		P 2	24	AV4	0.00	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		
	0.84		P 2	24	AV4	0.00	TEHTEC	BOBBIN	SGAC034	560BOB		
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		
							TSHTEH	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		
							TSHTSH	MRPCTSH	SGAH043	560RPC		
	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		
50 87												
	1.23		P 2	29	AV2	-0.08	TEHTEC	BOBBIN	SGAC058	560BOB		
							TEHTEC	SLUDGE	SGAC058	560BOB		
							TSHTSH	MRPCTSH	SGAH042	560RPC		
	1.23		P 2	29	AV2	-0.08	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	02H	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		
							TSHTSH	PLPE1	SGAH066	560RPC		
	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		
40 94												
	0.84		P 2	23	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOB		
							TEHTEC	SLUDGE	SGAC058	560BOB		
							TSHTSH	MRPCTSH	SGAH042	560RPC		
	0.84		P 2	23	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOB		
44 96												
	0.44		P 2	12	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
							TSHTSH	MRPCTSH	SGAH042	560RPC		
	0.44		P 2	12	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
34 98												
	0.34		P 2	11	AV4	0.10	TEHTEC	BOBBIN	SGAC052	560BOB		
							TEHTEC	SLUDGE	SGAC052	560BOB		
	0.34		P 2	11	AV4	0.10	TEHTEC	BOBBIN	SGAC052	560BOB		
42 98												
	1.44		P 2	31	AV3	-0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
	1.42		P 2	31	AV4	0.18	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	1.44		P 2	31	AV3	-0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
	1.42		P 2	31	AV4	0.18	TEHTEC	BOBBIN	SGAC060	560BOB		
43 98												
	0.45		P 2	14	AV4	0.13	TEHTEC	BOBBIN	SGAC061	560BOB		
	0.35		P 2	11	AV5	0.00	TEHTEC	BOBBIN	SGAC061	560BOB		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.45		P 2	14	AV4	0.13	TEHTEC	BOBBIN	SGAC061	560BOB		
	0.35		P 2	11	AV5	0.00	TEHTEC	BOBBIN	SGAC061	560BOB		
44 98												
	0.94		P 2	24	AV2	-0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.59		P 2	16	AV4	0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	0.94		P 2	24	AV2	-0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.59		P 2	16	AV4	0.03	TEHTEC	BOBBIN	SGAC060	560BOB		
45 98												
	0.73		P 2	21	AV4	0.03	TEHTEC	BOBBIN	SGAC061	560BOB		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.73		P 2	21	AV4	0.03	TEHTEC	BOBBIN	SGAC061	560BOB		
42 99												
	1.67		P 2	34	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	1.66		P 2	34	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	1.67		P 2	34	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	1.66		P 2	34	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
43 99												
	0.58		P 2	18	AV4	0.08	TEHTEC	BOBBIN	SGAC061	560BOB		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.58		P 2	18	AV4	0.08	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		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.47		P 2	15	AV4	-0.08	TEHTEC	BOBBIN	SGAC061	560BOB		
46 99												
	0.79		P 2	21	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	0.79		P 2	21	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
47 99												
	0.55		P 2	15	AV6	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	0.55		P 2	15	AV6	0.00	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		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.52		P 2	16	AV3	-0.05	TEHTEC	BOBBIN	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

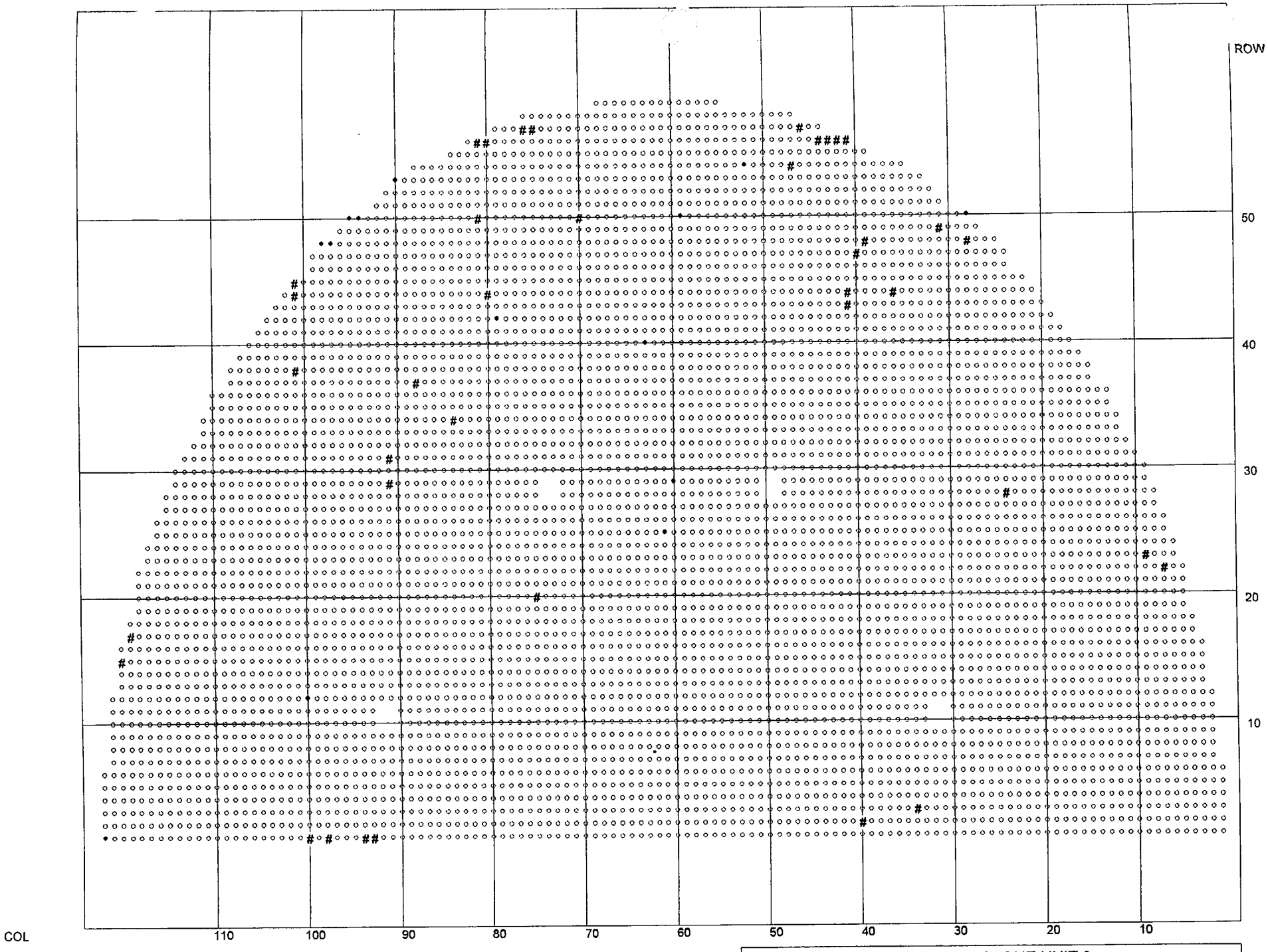
Row/Lin	Volts	Deg	CH	Ind. Desc.	Indication Location		Extent Tested	Dataset	Cal	Probe	Util1	Util2
							TEHTEC	SLUDGE	SGAC061	560BOB		
							TSHTSH	MRPCTSH	SGAH043	560RPC		
	0.46		P 2	15	AV5	-0.05	TEHTEC	BOBBIN	SGAC061	560BOB		
37 106												
	0.62		P 2	19	AV4	-0.10	TEHTEC	BOBBIN	SGAC061	560BOB		
	0.29		P 2	10	AV5	-0.05	TEHTEC	BOBBIN	SGAC061	560BOB		
							TEHTEC	SLUDGE	SGAC061	560BOB		
	0.62		P 2	19	AV4	-0.10	TEHTEC	BOBBIN	SGAC061	560BOB		
	0.29		P 2	10	AV5	-0.05	TEHTEC	BOBBIN	SGAC061	560BOB		
38 106												
	0.90		P 2	23	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.74		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.65		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
							TEHTEC	SLUDGE	SGAC060	560BOB		
	0.90		P 2	23	AV3	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.74		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
	0.65		P 2	18	AV5	0.00	TEHTEC	BOBBIN	SGAC060	560BOB		
34 107												
	0.41		P 2	12	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
							TEHTEC	SLUDGE	SGAC062	560BOB		
	0.41		P 2	12	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
34 109												
			3	INR	03H	33.03	TEHTEC	BOBBIN	SGAC062	560BOB		
	1.28		P 2	29	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
							TEHTEC	SLUDGE	SGAC062	560BOB		
							TSHTSH	MRPCTSH	SGAH053	560RPC		
	1.28		P 2	29	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
32 111												
	0.84		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
	0.70		P 2	19	AV5	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
							TEHTEC	SLUDGE	SGAC062	560BOB		
							TSHTSH	MRPCTSH	SGAH053	560RPC		
	0.84		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
	0.70		P 2	19	AV5	0.00	TEHTEC	BOBBIN	SGAC062	560BOB		
30 113												
	0.94		P 2	22	AV5	0.00	TEHTEC	BOBBIN	SGAC067	560BOB		
							TEHTEC	SLUDGE	SGAC067	560BOB		
	0.94		P 2	22	AV5	0.00	TEHTEC	BOBBIN	SGAC067	560BOB		
26 115												
	1.03		P 2	23	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB		
							TEHTEC	SLUDGE	SGAC066	560BOB		
	1.03		P 2	23	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB		
27 115												
	0.73		P 2	18	AV1	0.00	TEHTEC	BOBBIN	SGAC067	560BOB		
							TEHTEC	SLUDGE	SGAC067	560BOB		
	0.73		P 2	18	AV1	0.00	TEHTEC	BOBBIN	SGAC067	560BOB		
28 115												
			3	INR	07H	9.91	TEHTEC	BOBBIN	SGAC066	560BOB		
	1.23		P 2	26	AV1	0.00	TEHTEC	BOBBIN	SGAC066	560BOB		
							TEHTEC	SLUDGE	SGAC066	560BOB		
	1.23		P 2	26	AV1	0.00	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)

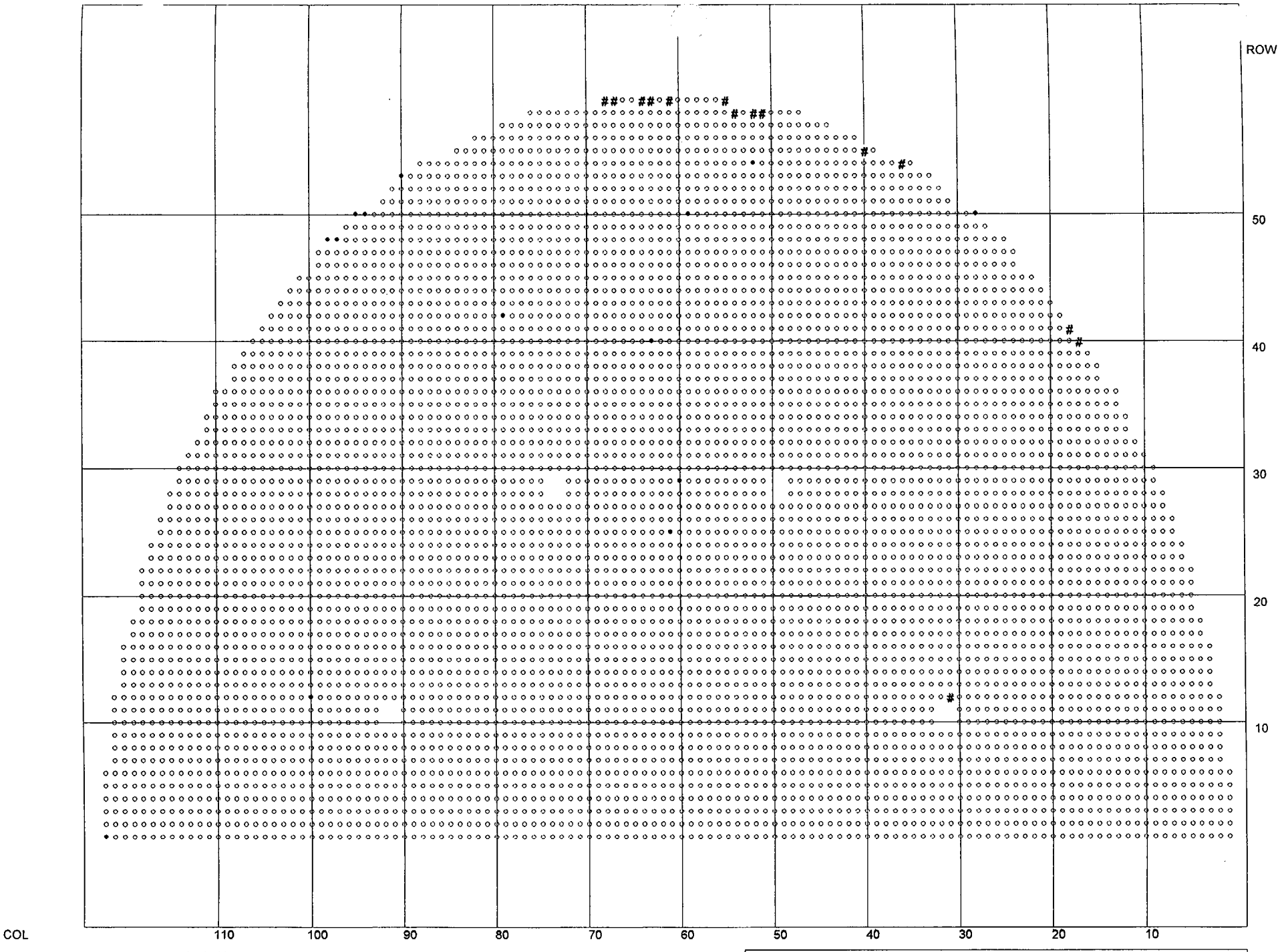


#: 39: SGA DENTS - H/L STRAIGHT SECTIONS

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

ABB CENO

14 Plugged

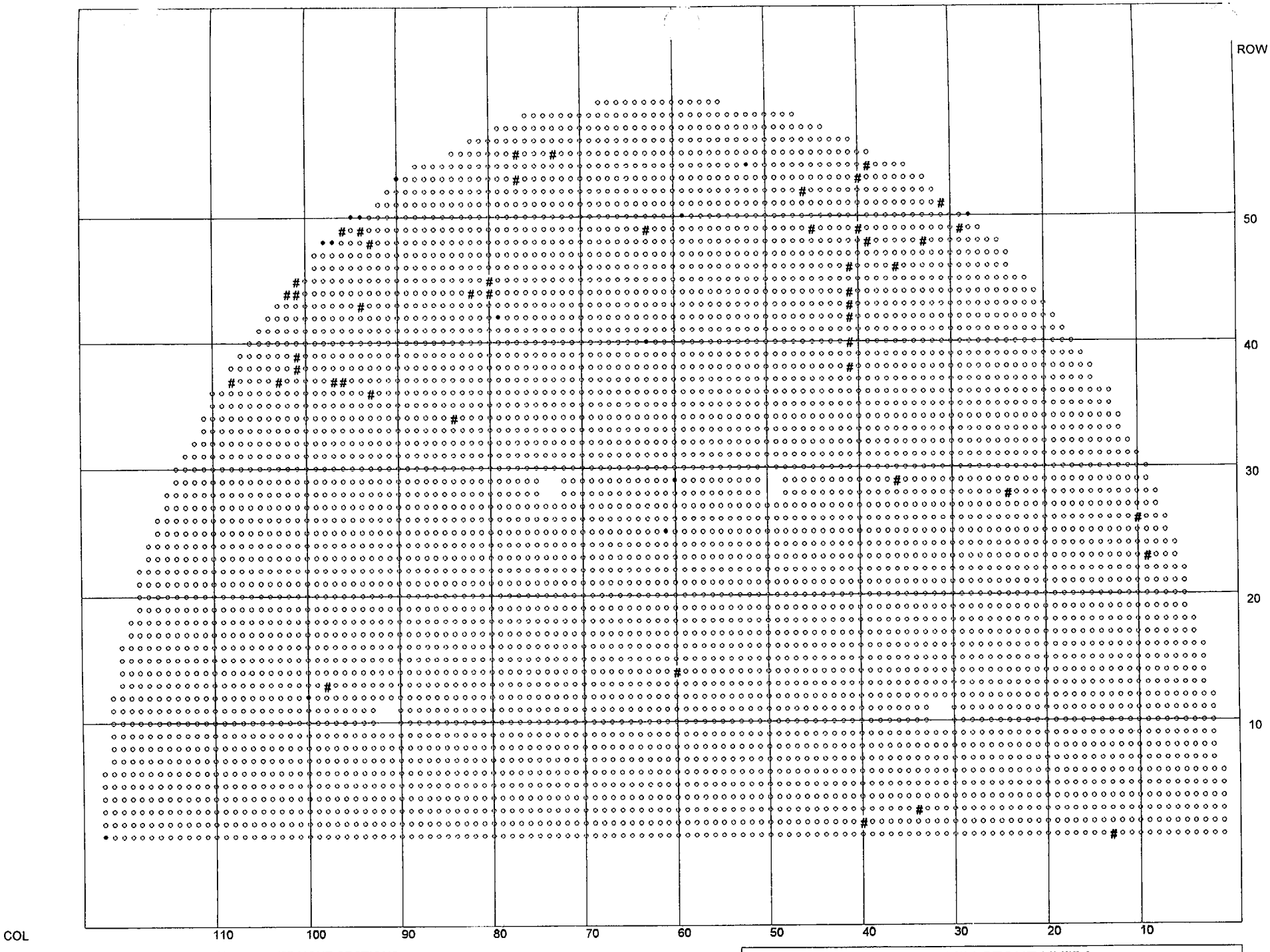


#: 14: SGA DENTS AT AVB's

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

ABB CENO

14 Plugged



#: 47: SGA DENTS - C/L STRAIGHT SECTIONS

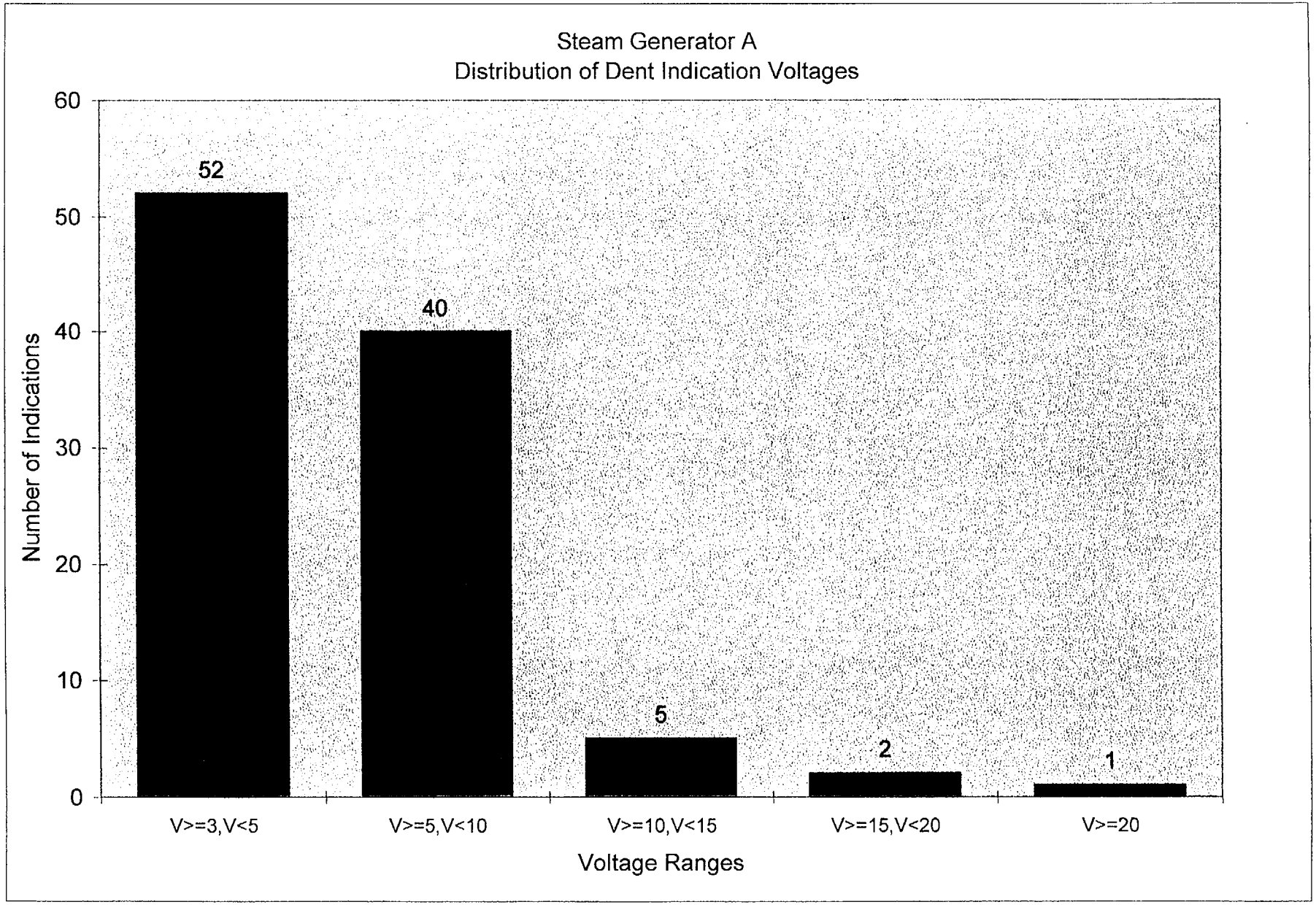
NORTHEAST UTILITIES MILLSTONE UNIT 3
STEAM GENERATOR A
05/18/99

ABB CENO

14 Plugged

STEAM GENERATOR A's
DENT's AT SUPPORT LOCATIONS

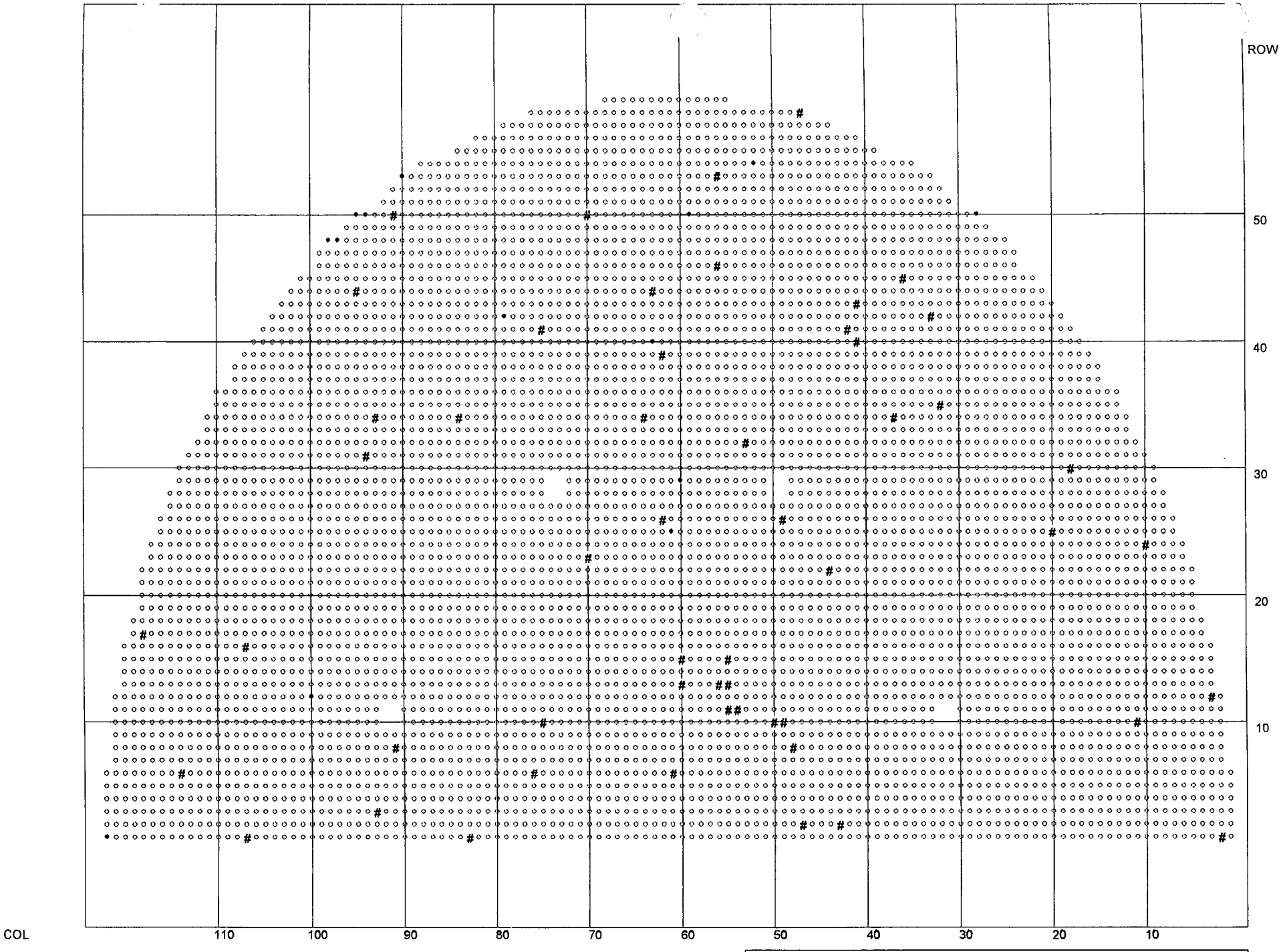
Voltage Range	08H	AV1	AV2	AV3	AV4	AV5	AV6	08C	Total Per Voltage Range
3-5	22	0	0	2	1	1	0	26	52
5-10	14	3	1	2	0	0	1	19	40
10-15	3	0	0	0	0	0	0	2	5
15-20	0	0	0	0	0	1	1	0	2
GT 20	0	0	1	0	0	0	0	0	1
Total Per Support	39	3	2	4	1	2	2	47	100


Steam Generator A
Distribution of Dent Indication Voltages
Number of Indications
60
50
40
30
20
10
0
52
40
5
2
1
V>=3,V<5
V>=5,V<10
V>=10,V<15
V>=15,V<20
V>=20
Voltage Ranges

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)

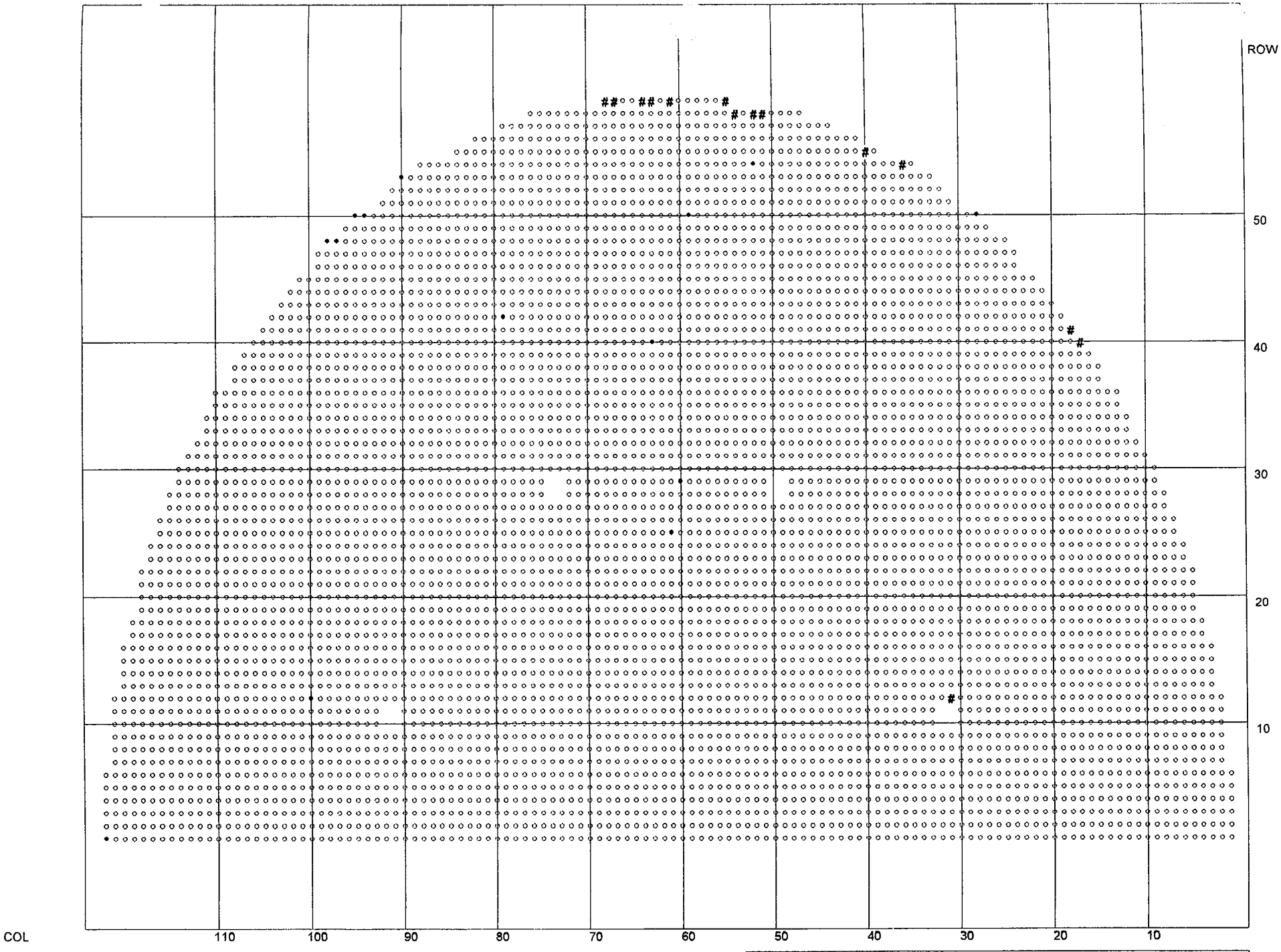


: 53 : SGA DINGS AT H/L STRAIGHT SECTIONS

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

ABB CENO

14 Plugged

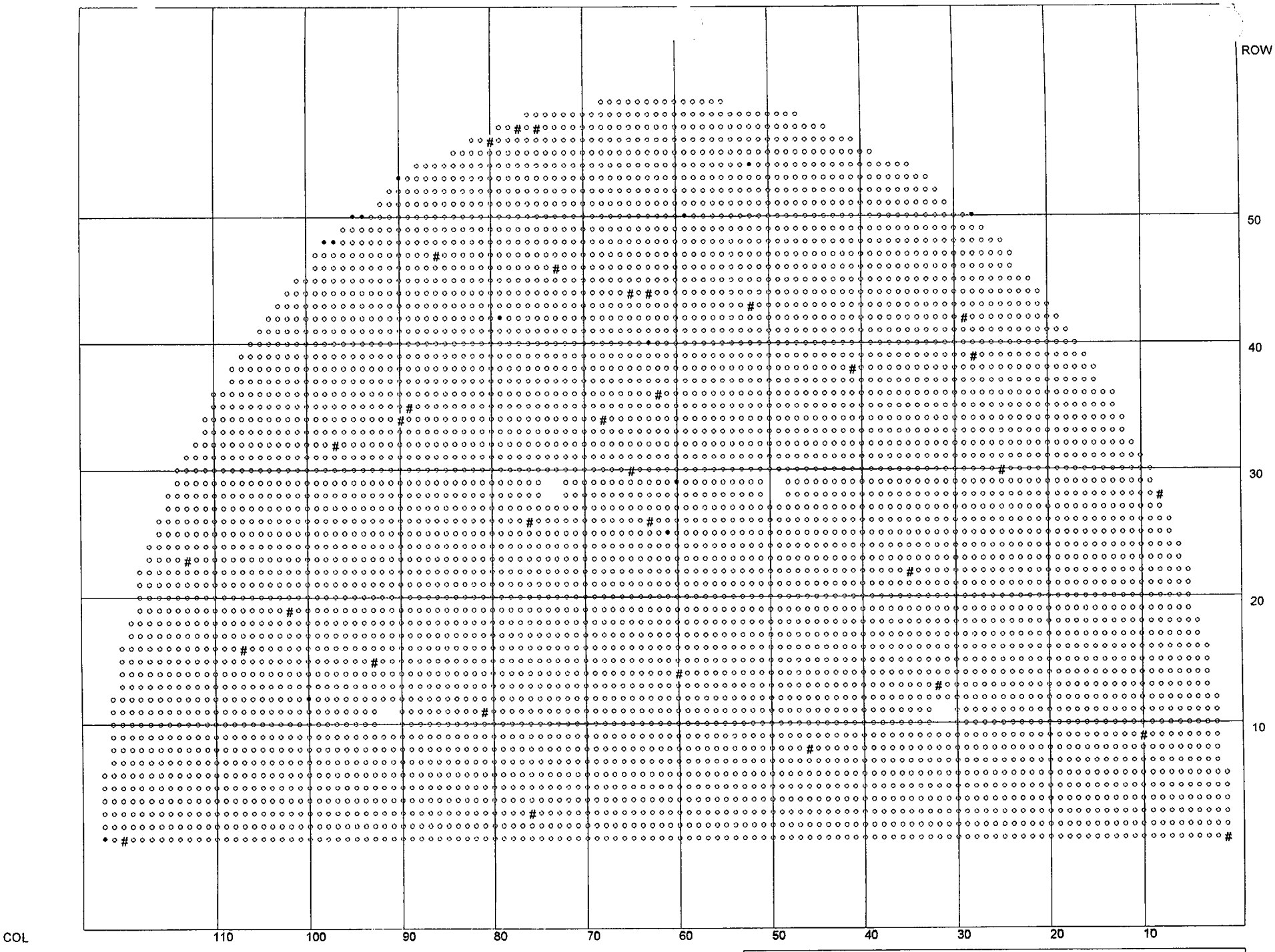


#: 14: SGA DINGS AT AVB's

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

ABB CENO

14 Plugged



#: 34: SGA DINGS AT C/L STRAIGHT SECTIONS

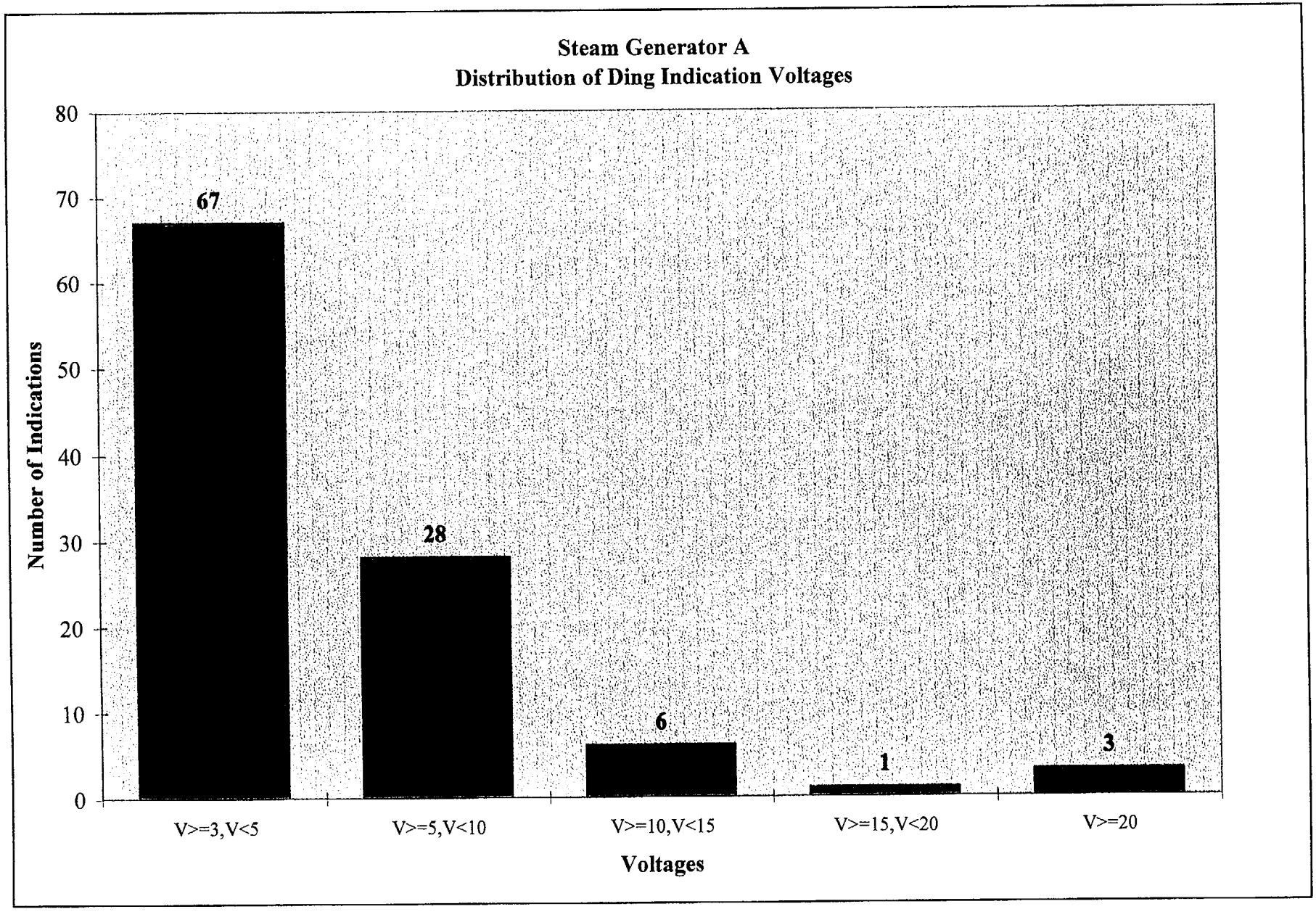
NORTHEAST UTILITIES MILLSTONE UNIT 3
STEAM GENERATOR A
05/18/99

ABB CENO

14 Plugged

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

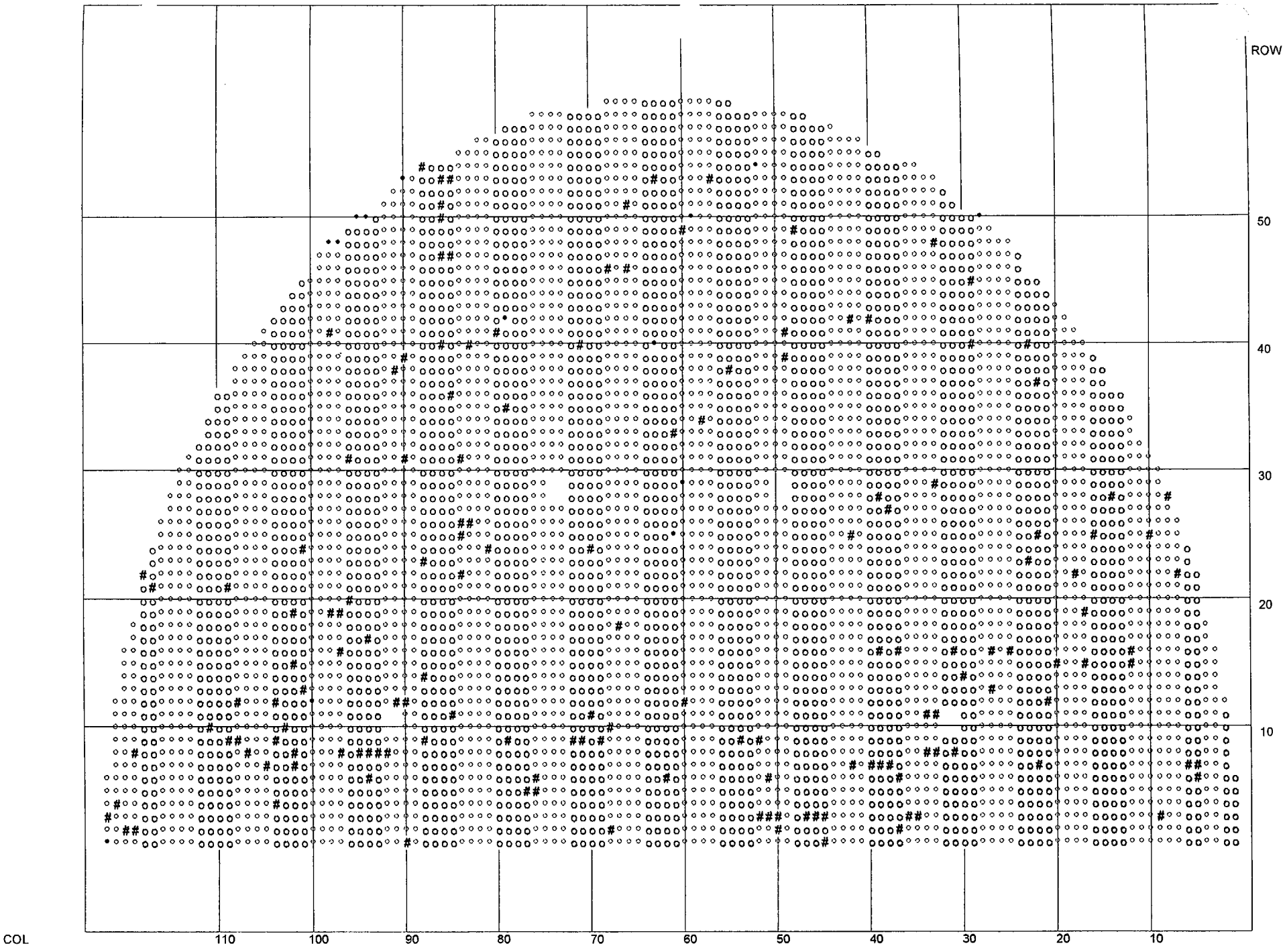
Voltage Range	3-5	5-10	10-15	15-20	GE 20	Total Per Support
TSH-01H	3	1	0	0	0	4
01H-02H	4	1	0	0	0	5
02H-03H	6	1	0	0	0	7
03H-04H	6	1	0	0	0	7
04H-05H	0	2	0	0	0	2
05H-06H	0	0	1	0	0	1
06H-07H	3	0	0	0	1	4
07H-08H	9	4	0	0	0	13
08H-AV1	6	5	1	0	0	12
AV1-AV2	3	2	0	0	1	6
AV2-AV3	1	0	0	1	1	3
AV3-AV4	0	0	0	0	0	0
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
Number of Indications
80
70
60
50
40
30
20
10
0
67
28
6
1
3
V>=3,V<5
V>=5,V<10
V>=10,V<15
V>=15,V<20
V>=20
Voltages

Attachment 2-5

MRPC

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

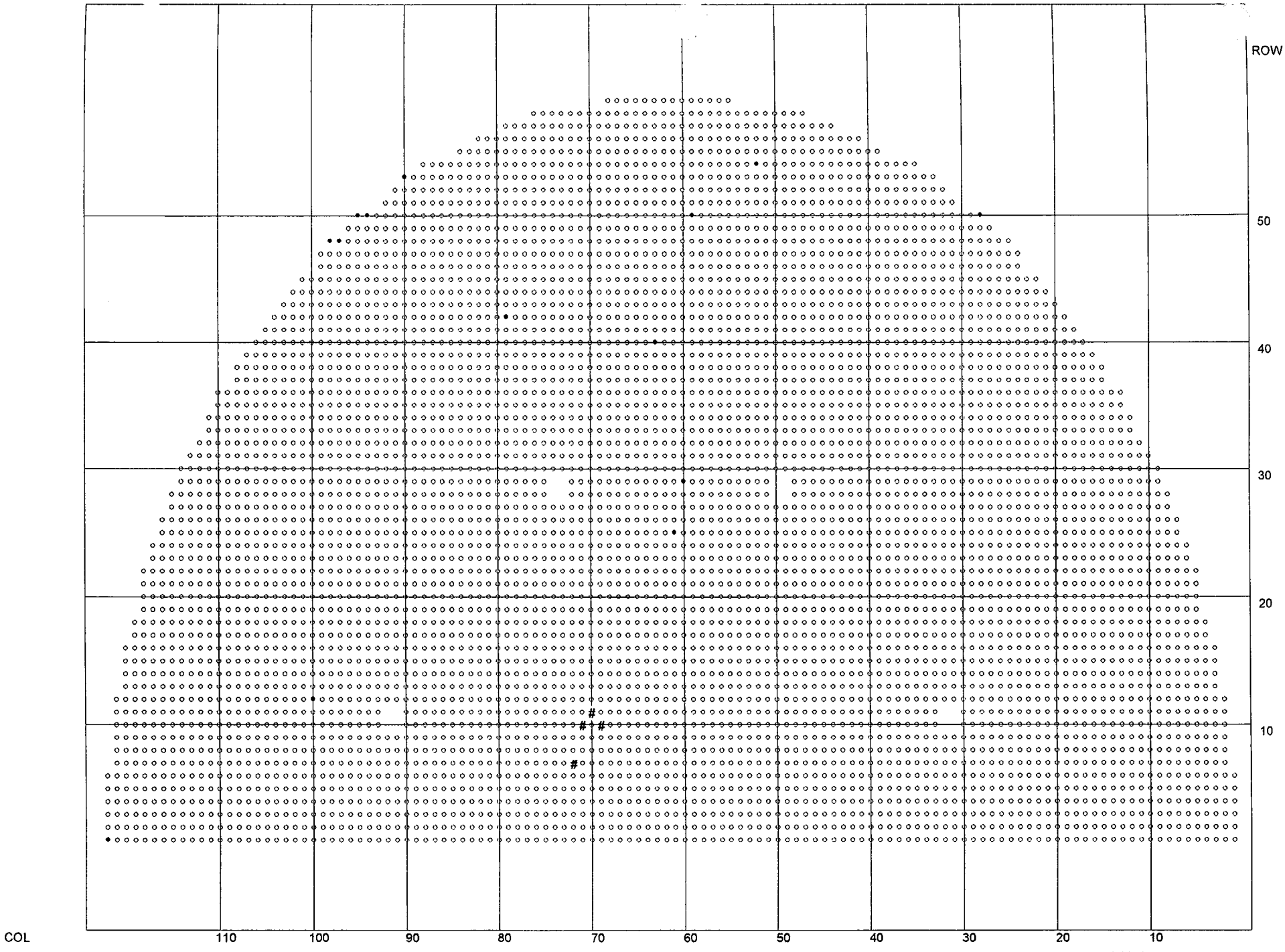


o : 2656 : SGA MRPC EXAMS - TSH+3/-3
: 153 : SGA MRPC EXAMS - TSHTEH

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

ABB CENO

14 Plugged

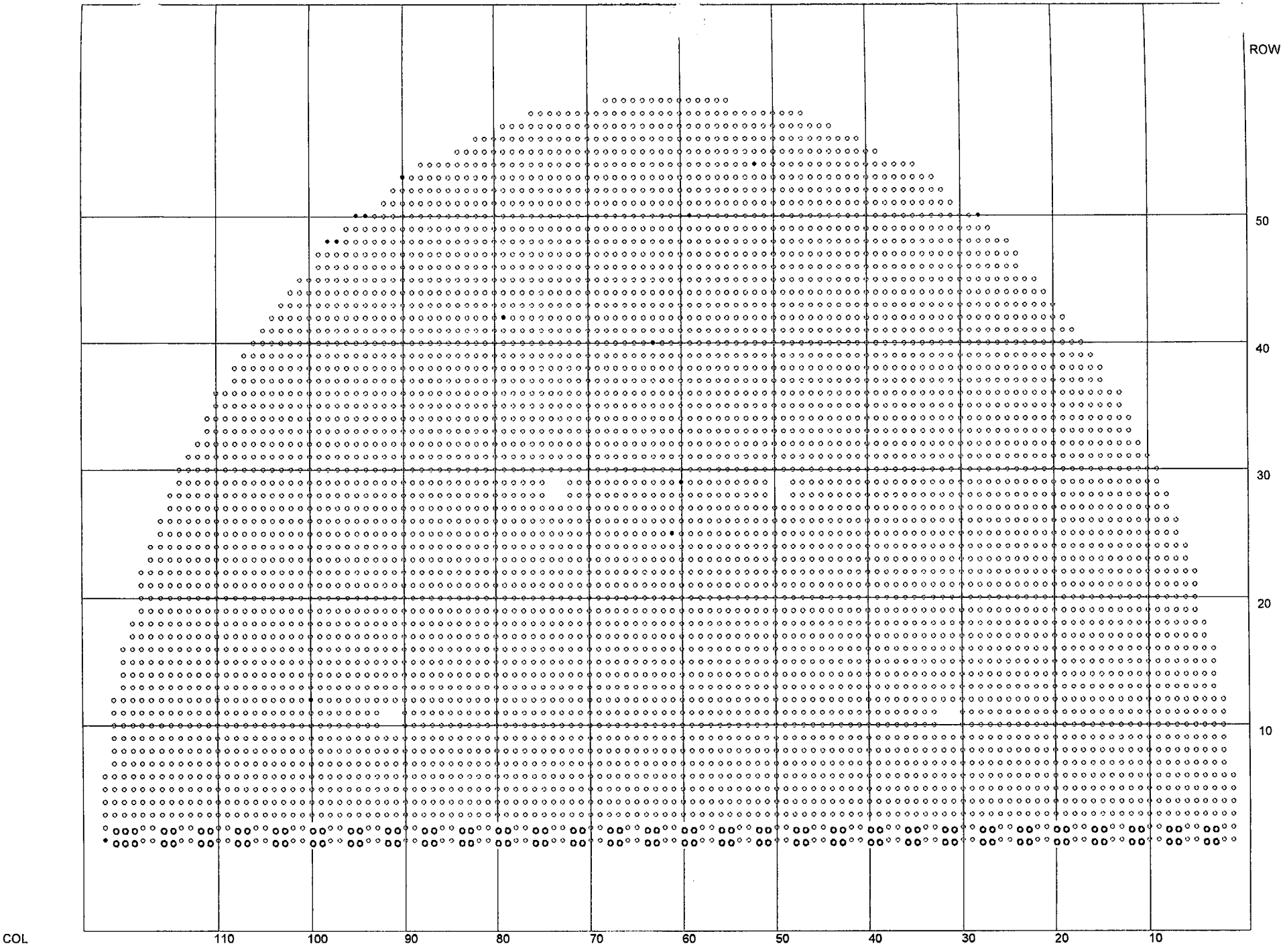


#: 4: SGA TSH SECONDARY SIDE ANOMALIES

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

ABB CENO

14 Plugged



o : 122 : SGA U-BEND MRPC EXAMS

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

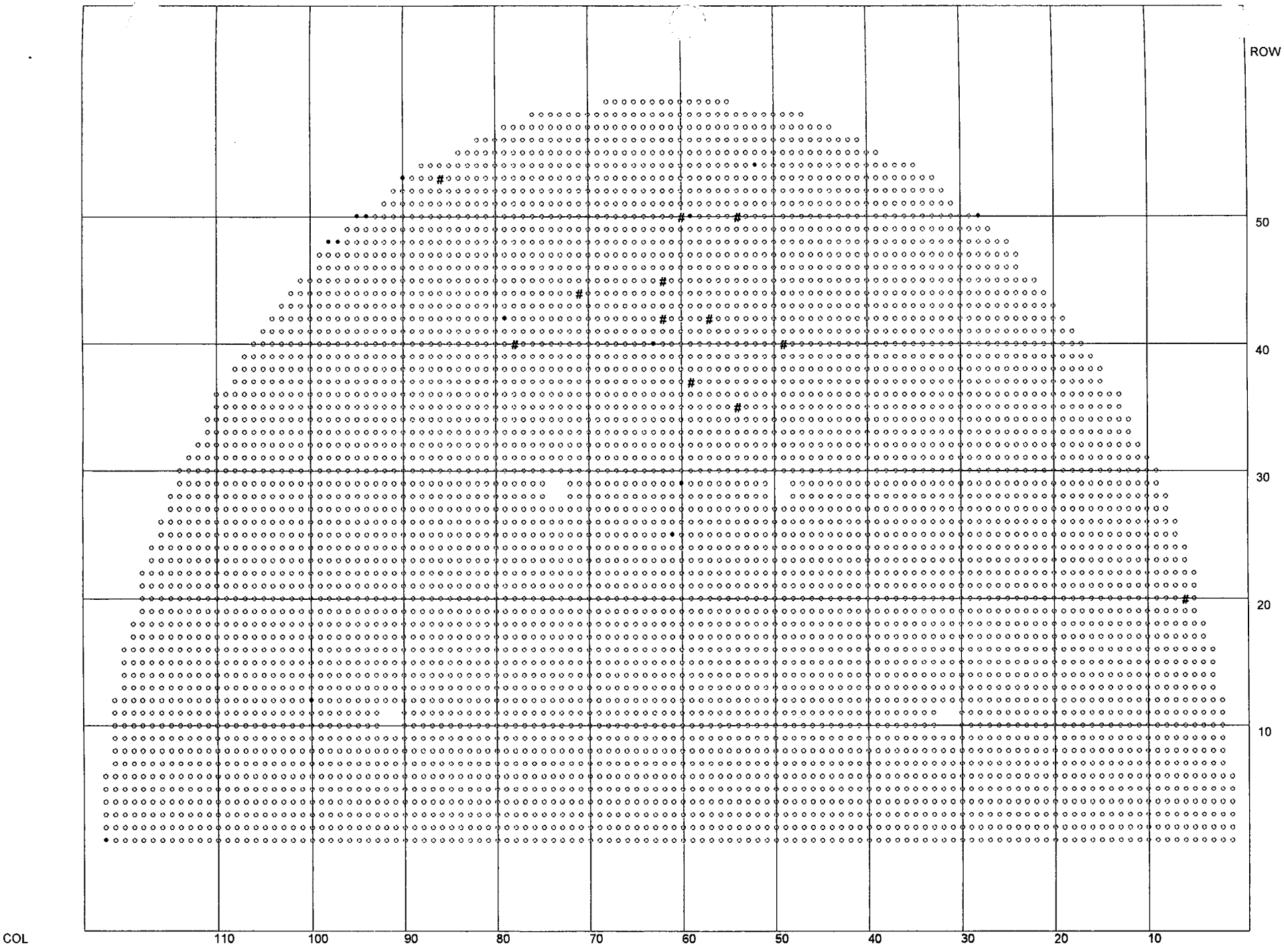
ABB CENO

14 Plugged

Attachment 2-6

Tube Plugging

Tubes Plugged RFO6 (Map)
Map of all Tubes Plugged

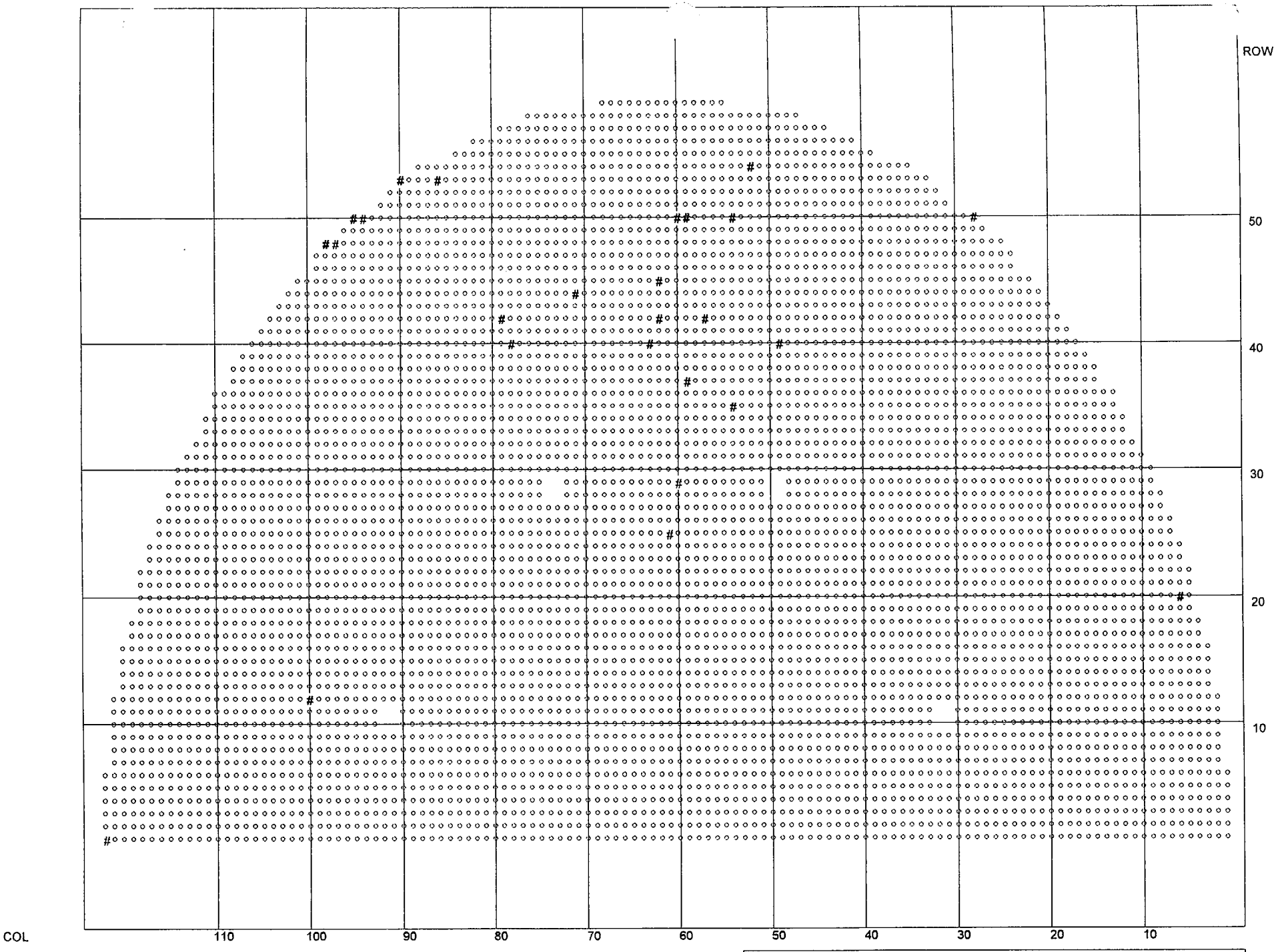


: 12 : Tubes Plugged This Outage

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

ABB CENO

14 Plugged



: 8 : **Tubes Previously Plugged**
: 6 : Tubes Deplugged and Replugged This Outage
: 12 : **Tubes Plugged This Outage**

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

ABB CENO

Attachment 2-7
ECT Results
All indications

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG A
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	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 To 39.62	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 To 19.44	TEHTEC	BOBBIN	SGAC069	560BOBMULCHF	
		0.59	109	3	NQH	TSC	14.11 To 38.74	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	

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG_A
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
	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 To 10.65	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	TSHTSH	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 To 22.51	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	

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG_A
OUTAGE: 9905

Date: 05/18/99

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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	560RPCPP3C	LR
		0.21	74	3	SVI	TSH	0.55	TSHTSH	MRPCTSH	SGAH014	560RPCPP3C	LR
		0.13	76	3	SVI	TSH	0.86	TSHTSH	MRPCTSH	SGAH014	560RPCPP3C	LR
		0.23	74	3	PID	TSH	0.07	TSHTSH	MRPCTSH	SGAH023	560RPCPP3C	
		0.20	90	3	PID	TSH	0.07	TSHTSH	MRPCTSH	SGAH029	560RPCPP3C	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	

NORTHEAST UTILITIES
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COMPONENT: SG A
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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	TFS	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	560RPCPP3C	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	

NORTHEAST UTILITIES
MILLSTONE UNIT 3
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Row/Col		Volts	Deg	CH	Ind. Desc.	Indication Location		Extent Tested	Dataset	Cal	Probe	Util1
		0.43	97	3	NQH	04H	28.73	TEHTEC	BOBBIN	SGAC055	560BOBMULCHF	
29	60	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	
		0.39	74	3	NQH	02C	18.44	TEHTEC	BOBBIN	SGAC025	560BOBMULCHF	LR
		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	LR
		0.39	75	3	NQH	AV2	2.48	TEHTEC	BOBBIN	SGAC051	560BOBMULCHF	
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	

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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	560RPCPP3C	LR
		0.45	266	10	PLP	TSH	0.37	TEHTSH	MRPCTSH	SGAH055	560RPCPP3C	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	SGAC051	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	560RPCPP3C	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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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	

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		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	
		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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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	

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		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	560RPCPP3C	
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	560RPCPP3C	LR
46	47	0.35	78	10	PLP	TSH	0.24	TSHTSH	MRPCTSH	SGAH034	560RPCPP3C	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	

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		0.52	97	3	NQH	04C	14.68	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
48	31	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	560RPCPP3C	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	BOBDPLG	SGAC086	560BOBMULCHF	
		7.34		P 3	61	AV2	-0.09	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		0.66		P 2	36	AV3	-0.02	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		5.98		P 3	56	AV4	-0.11	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		20.21		P 3	82	AV5	-0.02	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		0.95		P 2	43	AV6	-0.02	TSHTEC	BOBDPLG	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	560RPCPP3C	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	560RPCPP3C	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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		1.60		P 2	34	AV5	-0.05	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
		4.29		P 2	PID	AV4	0.08	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
50	58	0.99	63	3	NQH	05H	33.91	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
		0.24	75	3	NQH	03C	33.07	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
50	60	0.76	90	3	NQH	07H	26.42	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
		1.38		P 2	32	AV2	0.18	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
		2.89		P 2	44	AV3	0.25	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	LR
		4.66		P 3	51	AV4	-0.10	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	LR
		2.84		P 2	44	AV5	-0.20	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	LR
		2.79		P 2	PID	AV3	0.25	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
		4.25		P 2	PID	AV4	-0.10	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
		2.59		P 2	PID	AV5	-0.20	TEHTEC	BOBBIN	SGAC079	560BOBMULCHF	
50	64	1.13		P 2	27	AV2	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
		0.75		P 2	21	AV3	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
		0.72		P 2	20	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
		1.70		P 2	35	AV5	-0.03	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
50	67	0.75	106	3	NQH	02H	8.03	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
50	73	0.45	72	3	NQH	03C	4.88	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
50	76	0.73		P 2	22	AV2	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
		0.61		P 2	19	AV3	0.00	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
50	82	0.78		P 2	19	AV2	0.00	TEHTEC	BOBBIN	SGAC036	560BOBMULCHF	
		0.92		P 2	22	AV3	0.00	TEHTEC	BOBBIN	SGAC036	560BOBMULCHF	
		0.73		P 2	18	AV4	0.00	TEHTEC	BOBBIN	SGAC036	560BOBMULCHF	
50	86	0.35		P 2	12	AV2	0.00	TECTEH	BOBBIN	SGAH062	560BOBMULCHF	
50	87	1.23		P 2	29	AV2	-0.08	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
50	90	1.88		P 2	36	AV2	-0.05	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	LR
		1.45		P 2	32	AV3	-0.03	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
		0.50		P 2	15	AV5	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
50	91	1.58		P 2	33	AV2	-0.03	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
		1.13		P 2	27	AV3	0.00	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
50	94	0.18		P 2	14	AV1	0.00	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		0.48		P 2	30	AV3	-0.11	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		0.90		P 2	42	AV5	0.00	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
		0.35		P 2	25	AV6	-0.11	TSHTEC	BOBDPLG	SGAC086	560BOBMULCHF	
51	54	0.44	74	3	NQH	02H	10.38	TEHTEC	BOBBIN	SGAC031	560BOBMULCHF	
51	63	2.01		P 2	36	AV2	0.24	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
		0.60		P 2	16	AV3	0.03	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
		0.89		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	LR
51	66	0.47		P 2	13	AV3	0.16	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
		0.40	100	3	NQH	05C	33.09	TEHTEC	BOBBIN	SGAC033	560BOBMULCHF	
51	75	0.56	69	3	NQH	02H	16.73	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
		0.41	78	3	NQH	02C	12.38	TEHTEC	BOBBIN	SGAC035	560BOBMULCHF	
51	79	3.39	70	6	NQH	05C	10.75	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
51	81	3.38	79	6	NQH	04C	15.78	TEHTEC	BOBBIN	SGAC037	560BOBMULCHF	
51	83	0.39	72	3	NQH	02H	5.63	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
51	84	0.35	106	3	NQH	01H	5.58	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
		0.38	104	3	NQH	02H	11.95	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
		0.60	80	3	NQH	AV5	21.97	TEHTEC	BOBBIN	SGAC059	560BOBMULCHF	
52	32	0.36	63	1	TFH	08H	6.22	TEHTEC	BOBBIN	SGAC017	560BOBMULCHF	
52	41	0.32	93	3	NQH	05H	3.29	TEHTEC	BOBBIN	SGAC028	560BOBMULCHF	
52	55	1.03	120	3	NQH	07H	5.09	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
52	56	0.57	60	1	NQH	08H	5.07	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
52	57	0.40	91	1	NQH	08H	4.95	TEHTEC	BOBBIN	SGAC030	560BOBMULCHF	
52	65	0.98	113	3	NQH	AV6	2.61 To 26.69	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	LR
		0.55	111	3	NQH	07C	7.75 To 39.42	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
52	66	0.83		P 2	22	AV4	0.00	TEHTEC	BOBBIN	SGAC032	560BOBMULCHF	
52	70	0.78	112	3	NQH	03H	28.85	TEHTEC	BOBBIN	SGAC034	560BOBMULCHF	
52	88	0.75	90	3	NQH	03H	10.97	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
		0.68	88	3	NQH	03H	13.02	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
52	91	2.03	74	6	NQH	06C	21.42	TEHTEC	BOBBIN	SGAC058	560BOBMULCHF	
53	33	1.93		P 2	36	AV5	0.00	TEHTEC	BOBBIN	SGAC018	560BOBMULCHF	
53	34	0.59	110	3	NQH	AV4	12.69	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	

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		0.23	103	1	NQH	AV6	7.17	TEHTEC	BOBBIN	SGAC022	560BOBMULCHF	
53	38	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	

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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	560RPCPP3C	
56	73	0.39	85	10	PLP	TSH	0.34	TSHTSH	PLPE2	SGAH074	560RPCPP3C	
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

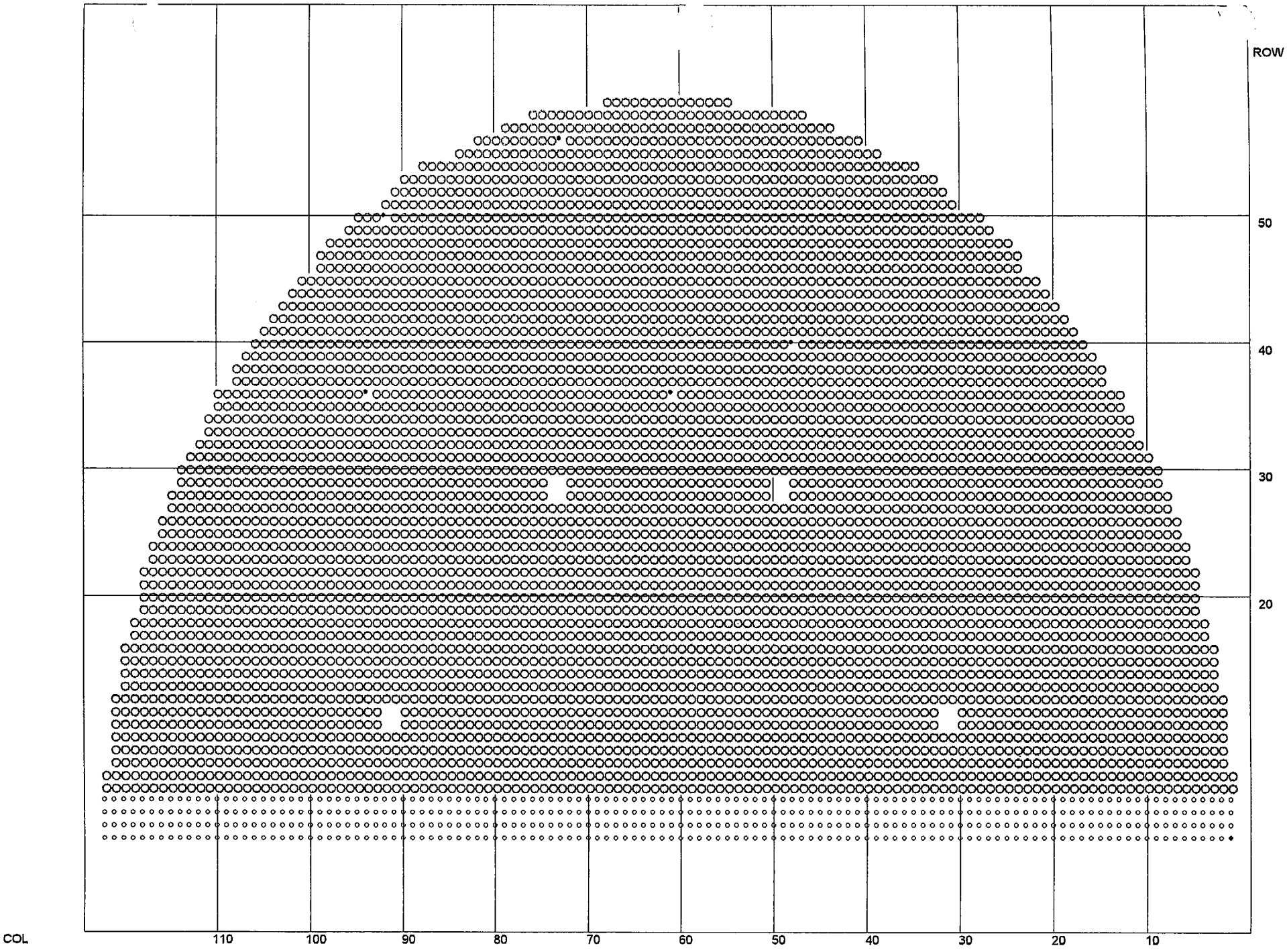
Attachment 3
Steam Generator C

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

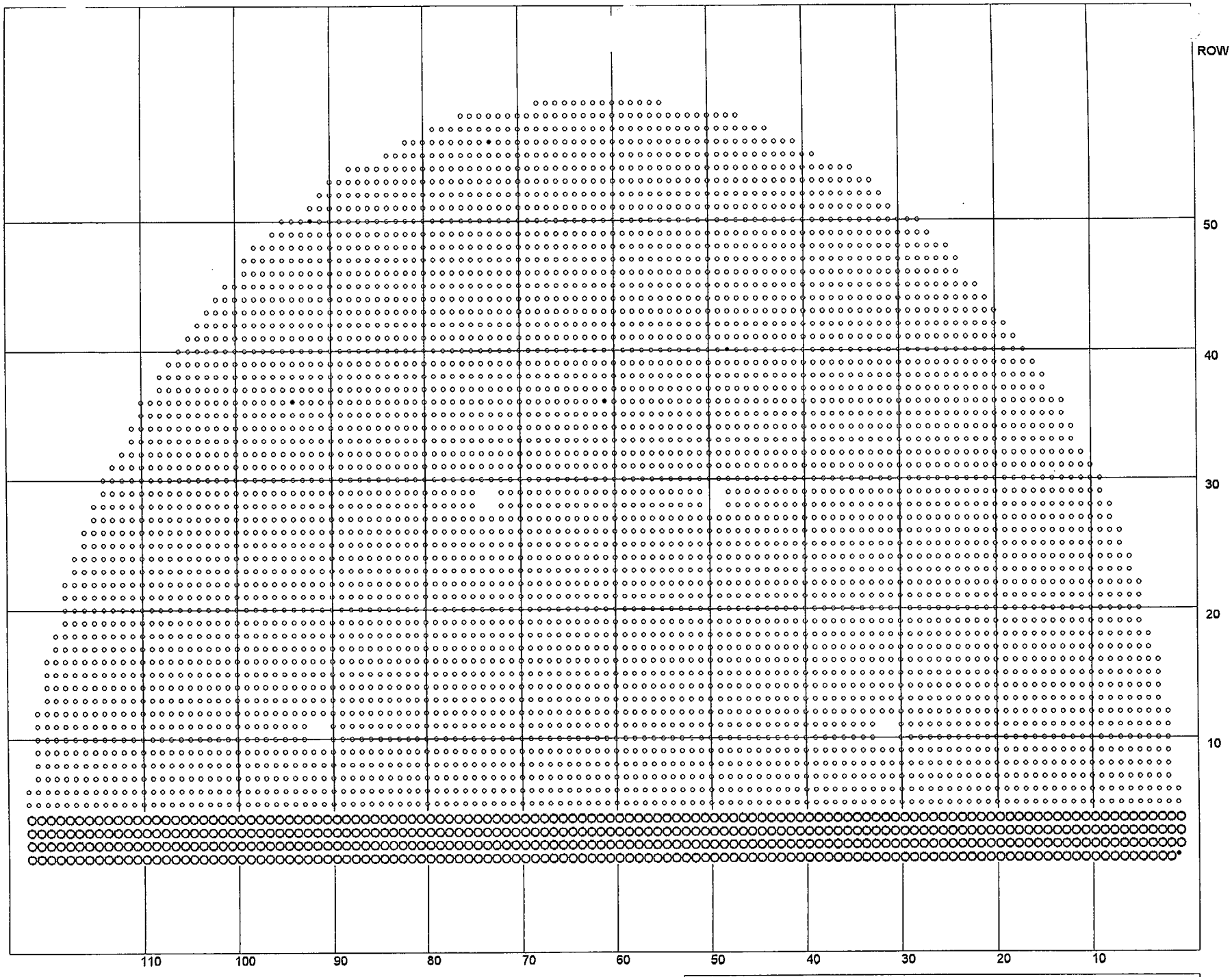


O : 5133 : BOBBIN F/L EXAM

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

ABB CENO

6 Plugged

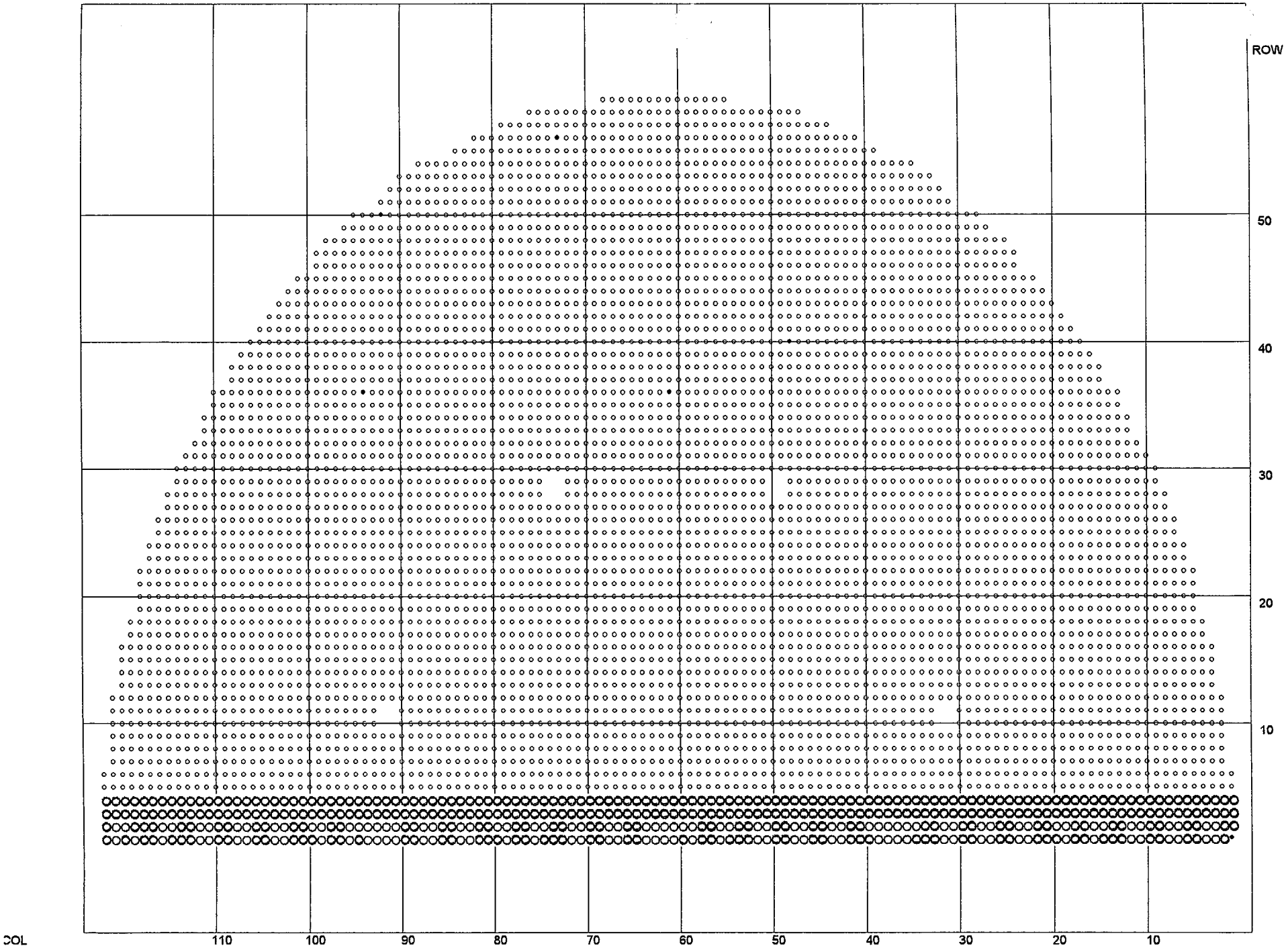


O : 487 : BOBBIN EXAM H/L 08HTEH

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

6 Plugged

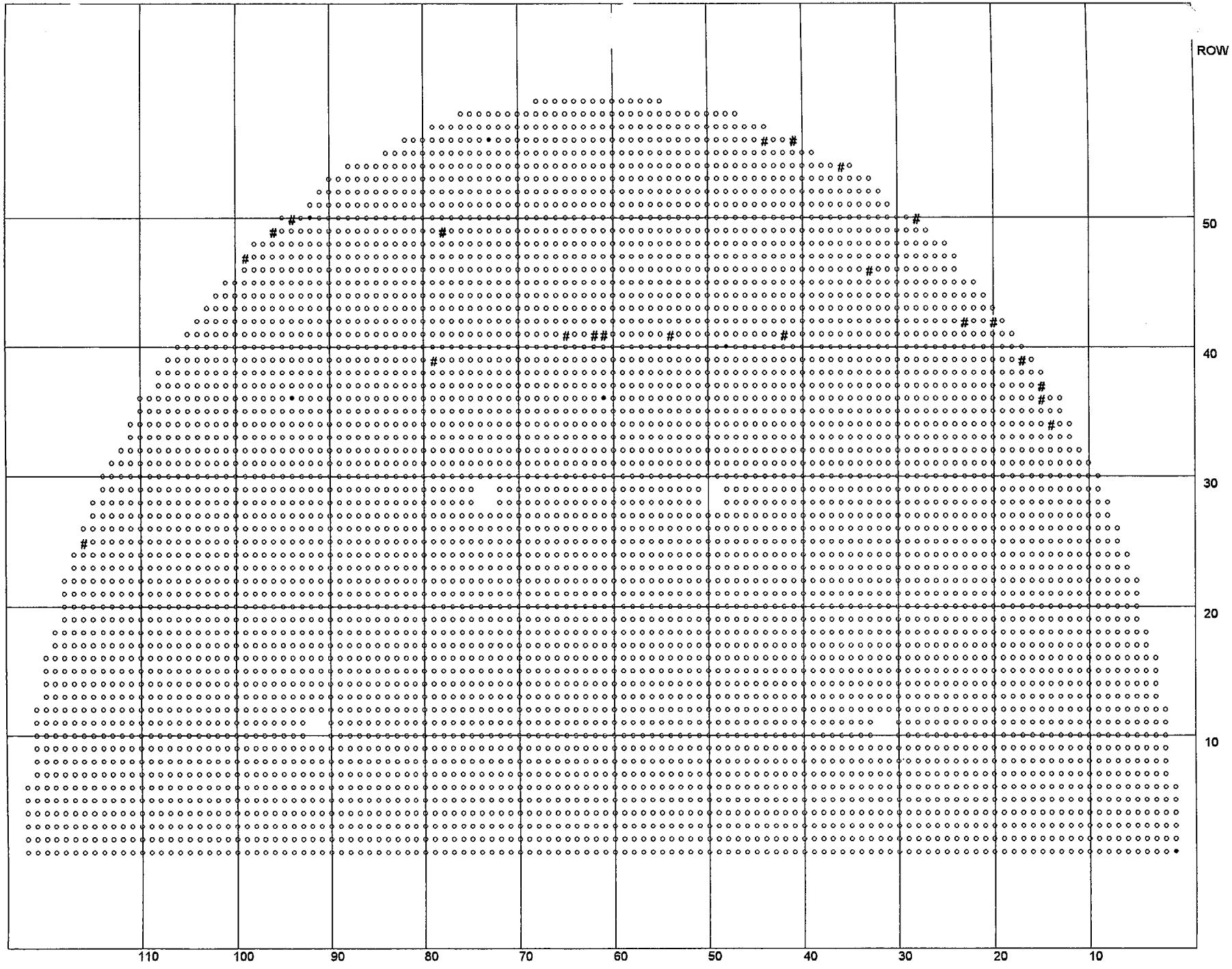
NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR C
05/17/99

ABB CENO

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

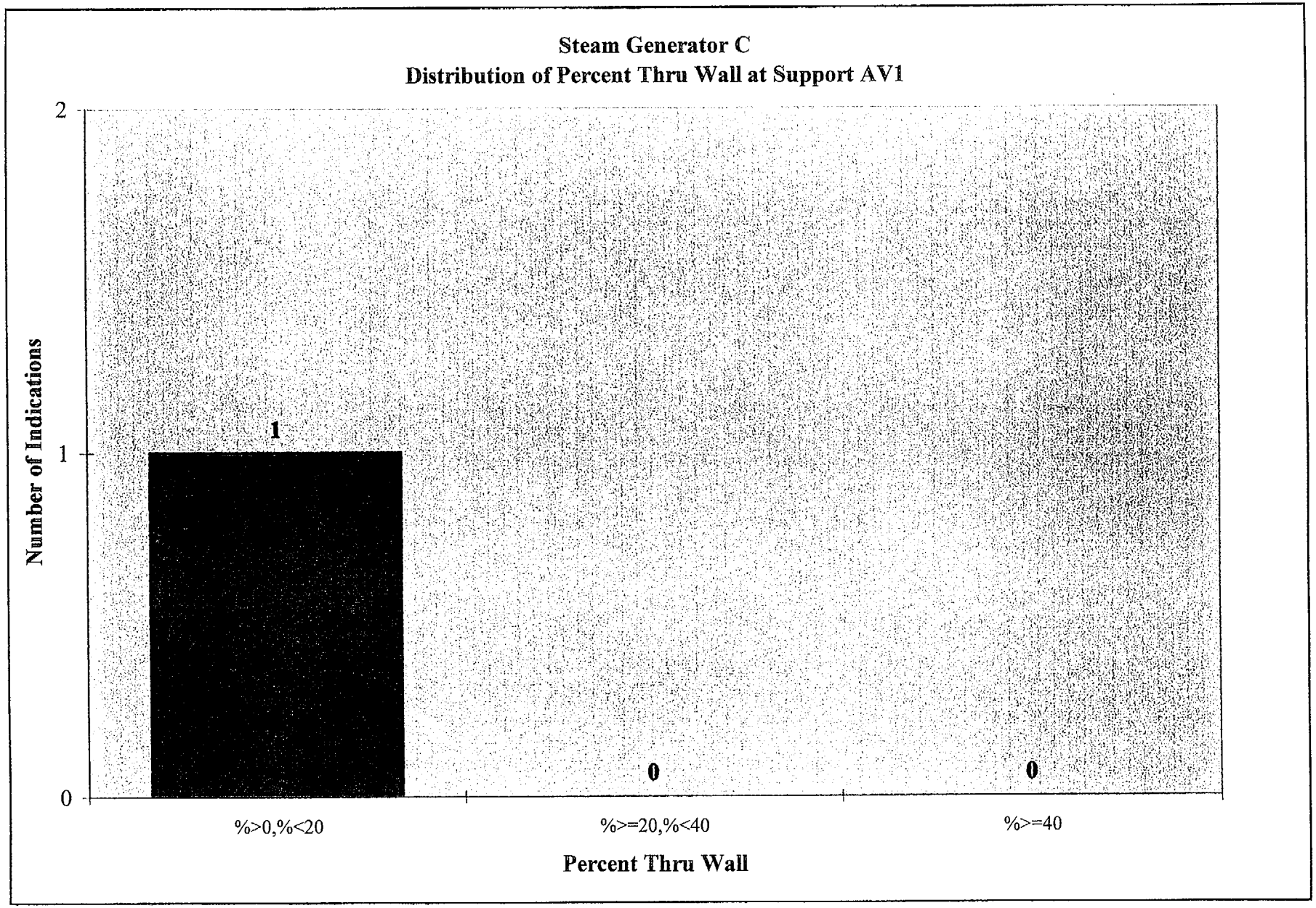
6 Plugged

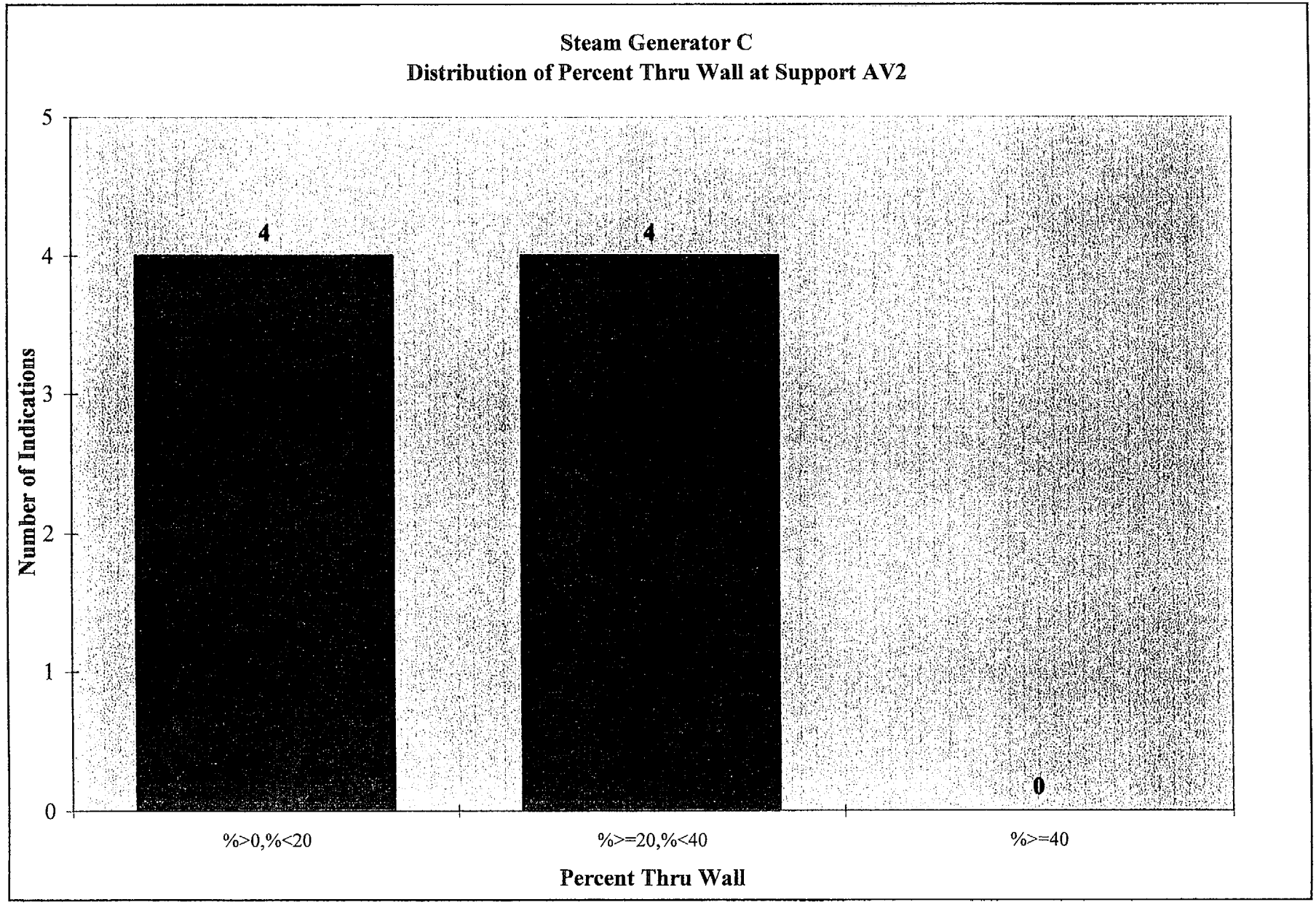
NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR C
05/17/99

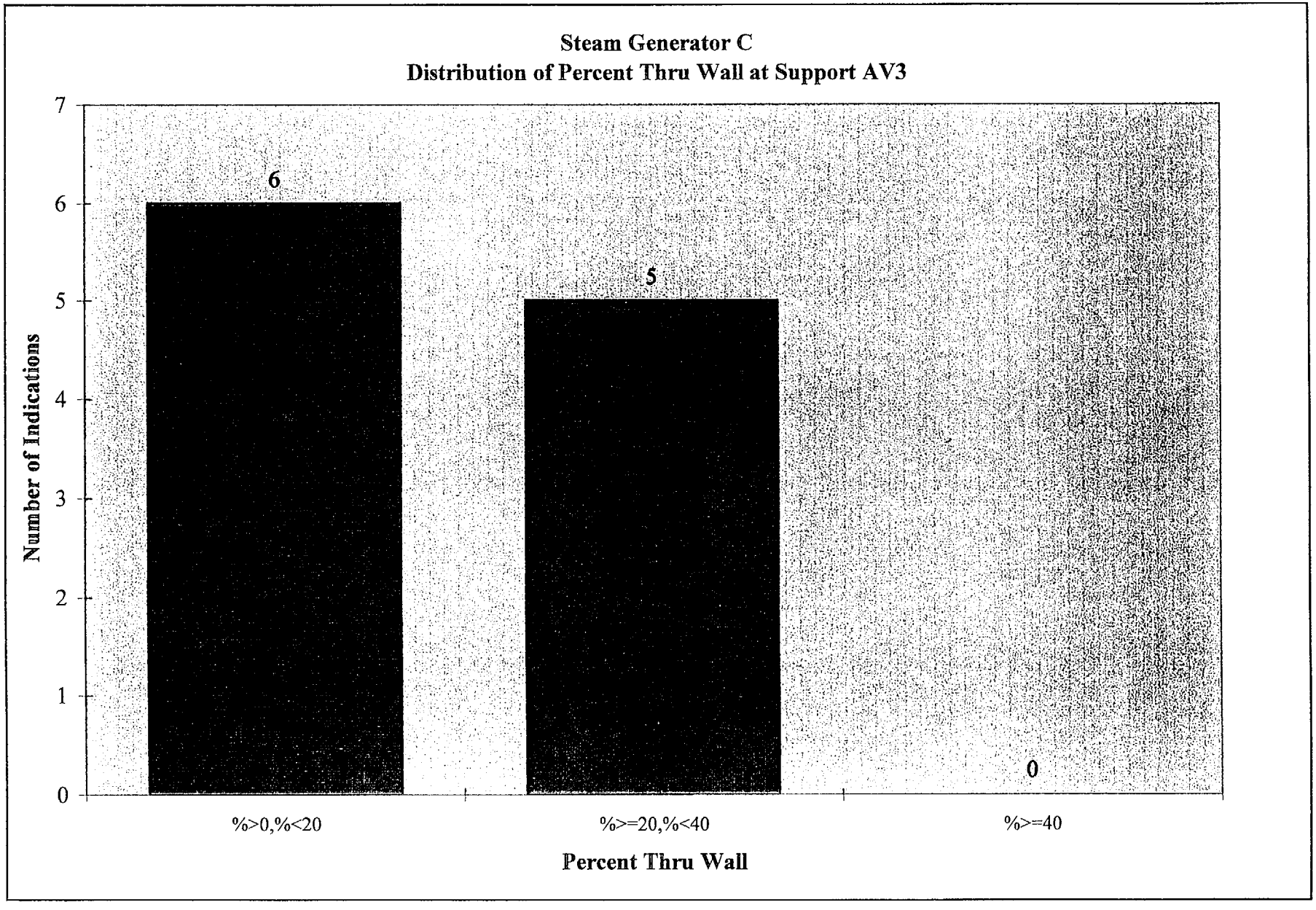
ABB CENO

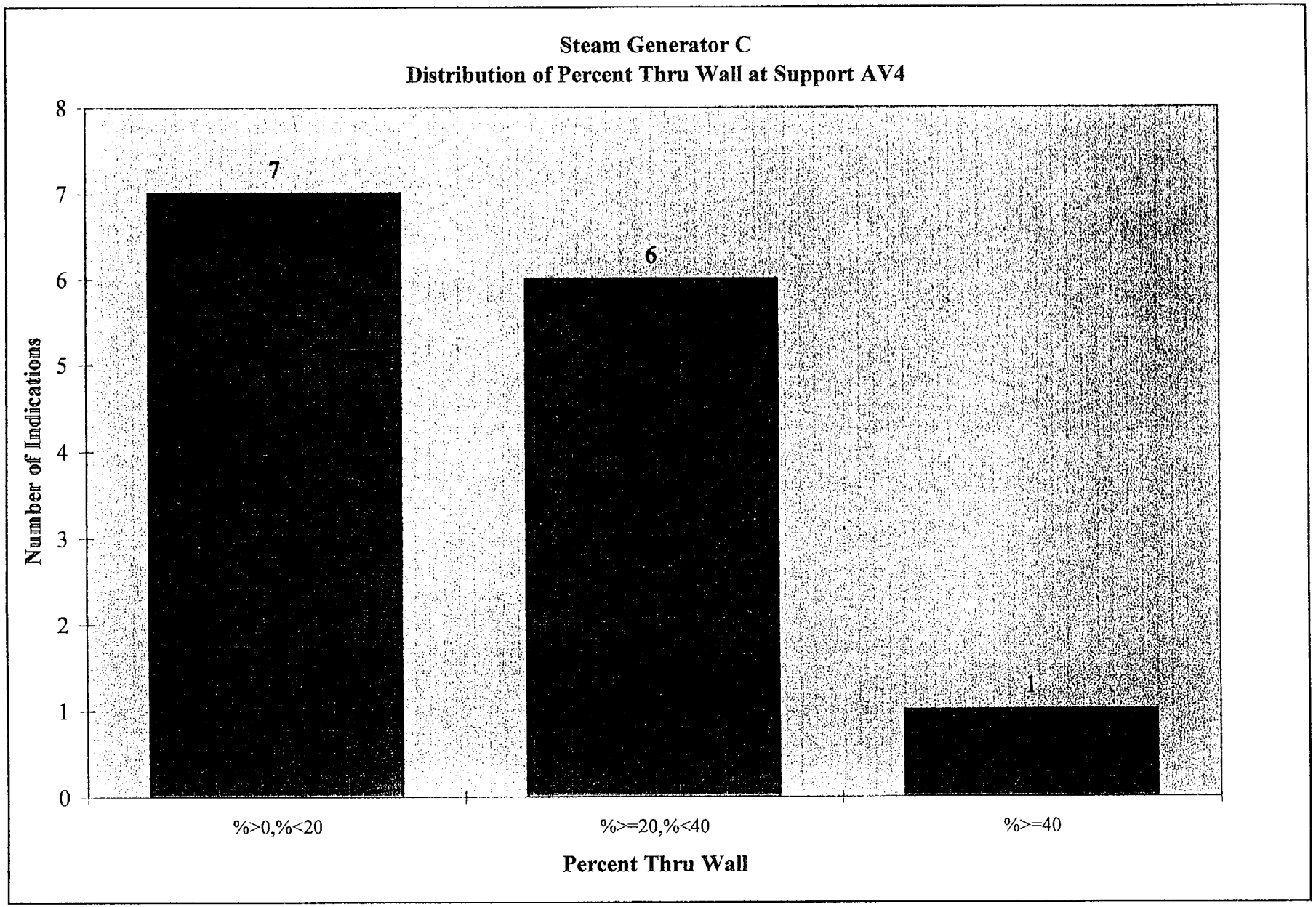
STEAM GENERATOR C's
TOTAL NUMBER OF PERCENT THRU WALL AT EACH AVB SUPPORT

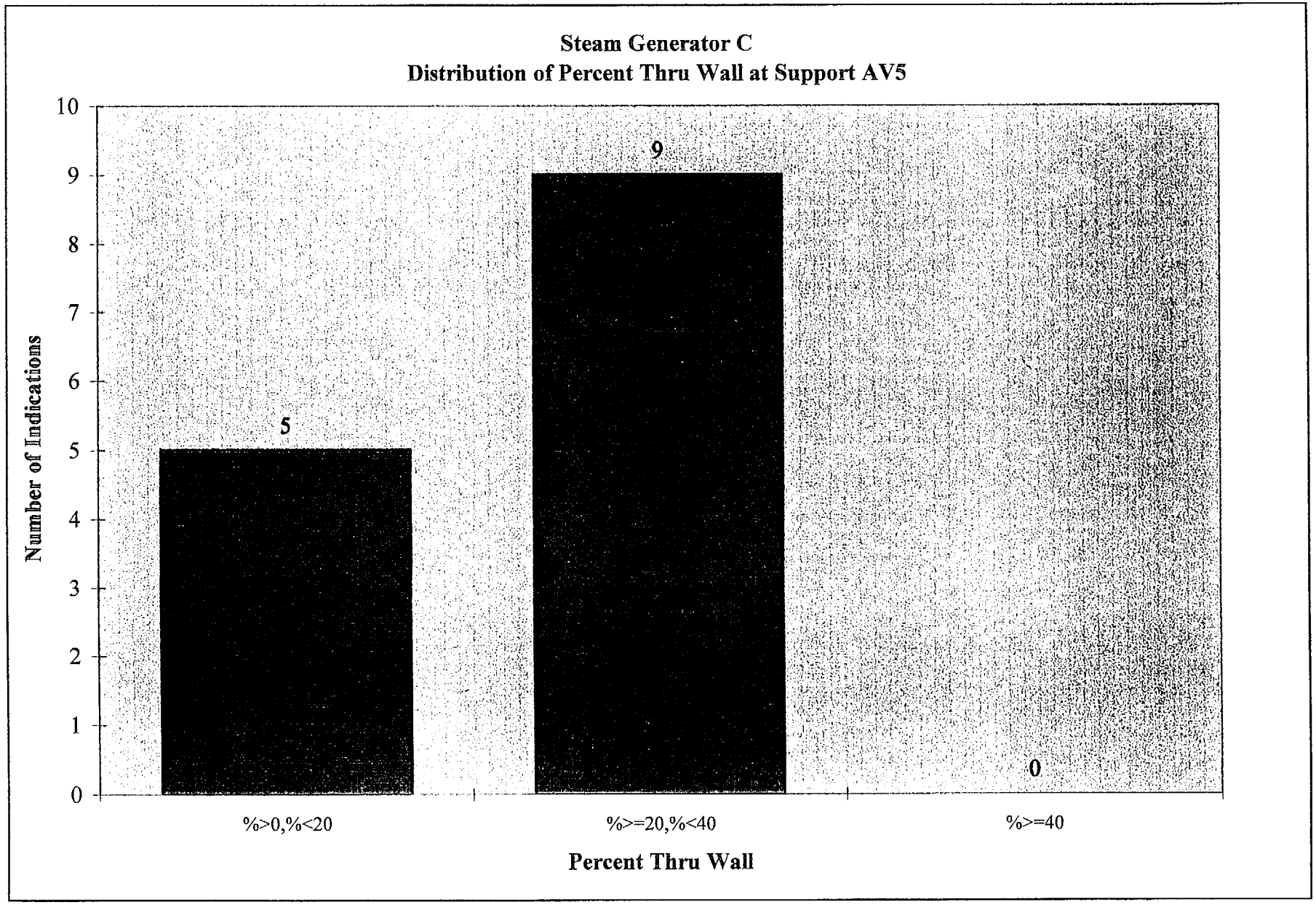
Percent Thru Wall	AV1	AV2	AV3	AV4	AV5	AV6	Total Per Percentage Range
1-19%	1	4	6	7	5	10	33
20-39%	0	4	5	6	9	1	25
GE 40%	0	0	0	1	0	0	1
Total Per Support	1	8	11	14	14	11	59

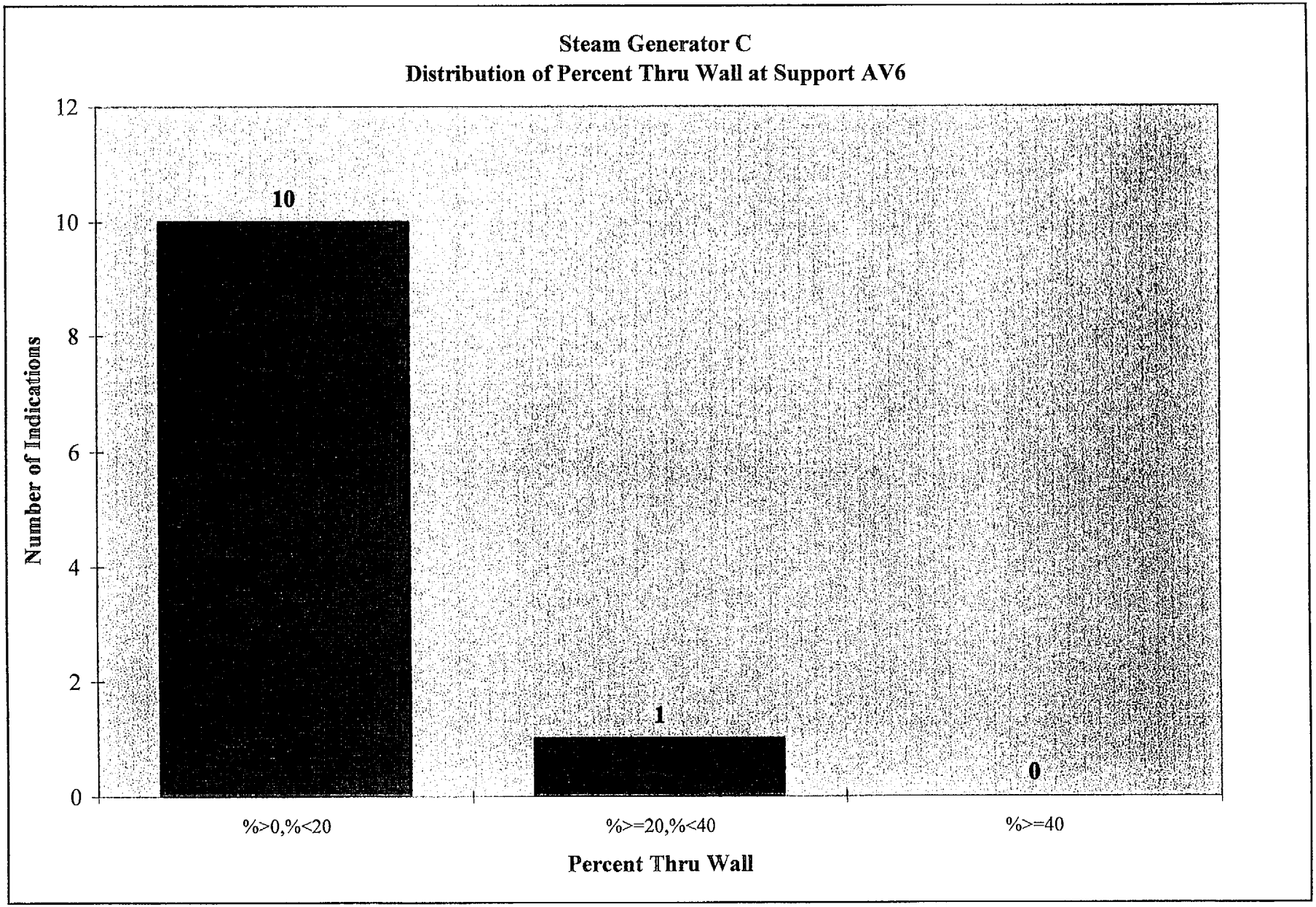

Steam Generator C
Distribution of Percent Thru Wall at Support AV1
Number of Indications
2
1
0
1
0
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator C
Distribution of Percent Thru Wall at Support AV2
Number of Indications
5
4
3
2
1
0
4
4
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator C
Distribution of Percent Thru Wall at Support AV3
Number of Indications
0
1
2
3
4
5
6
7
6
5
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator C
Distribution of Percent Thru Wall at Support AV4
Number of Indications
0
1
2
3
4
5
6
7
8
7
6
1
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator C
Distribution of Percent Thru Wall at Support AV5
Number of Indications
10
9
8
7
6
5
4
3
2
1
0
5
9
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall


Steam Generator C
Distribution of Percent Thru Wall at Support AV6
Number of Indications
12
10
8
6
4
2
0
10
1
0
%>0,%<20
%>=20,%<40
%>=40
Percent Thru Wall

INDICATIONS/TRENDING REPORT
MILLSTONE 3
OUTAGE : 9905

COMPONENT : SG_C
DESCRIPTION : 1999 AVB Wear Growth

Date : 5/17/99
Time : 16:36:21

Row	Col	Leg	***	Extent Tst/Note	Reel	Probe	9905 Location	9905 Volts	9905 Deg	9905 Ch	9905 %	Diff	96-1 Location	96-1 Volts	96-1 Deg	96-1 Ch	96-1 %
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 AVB Wear Growth

Date : 5/17/99
Time : 16:36:26

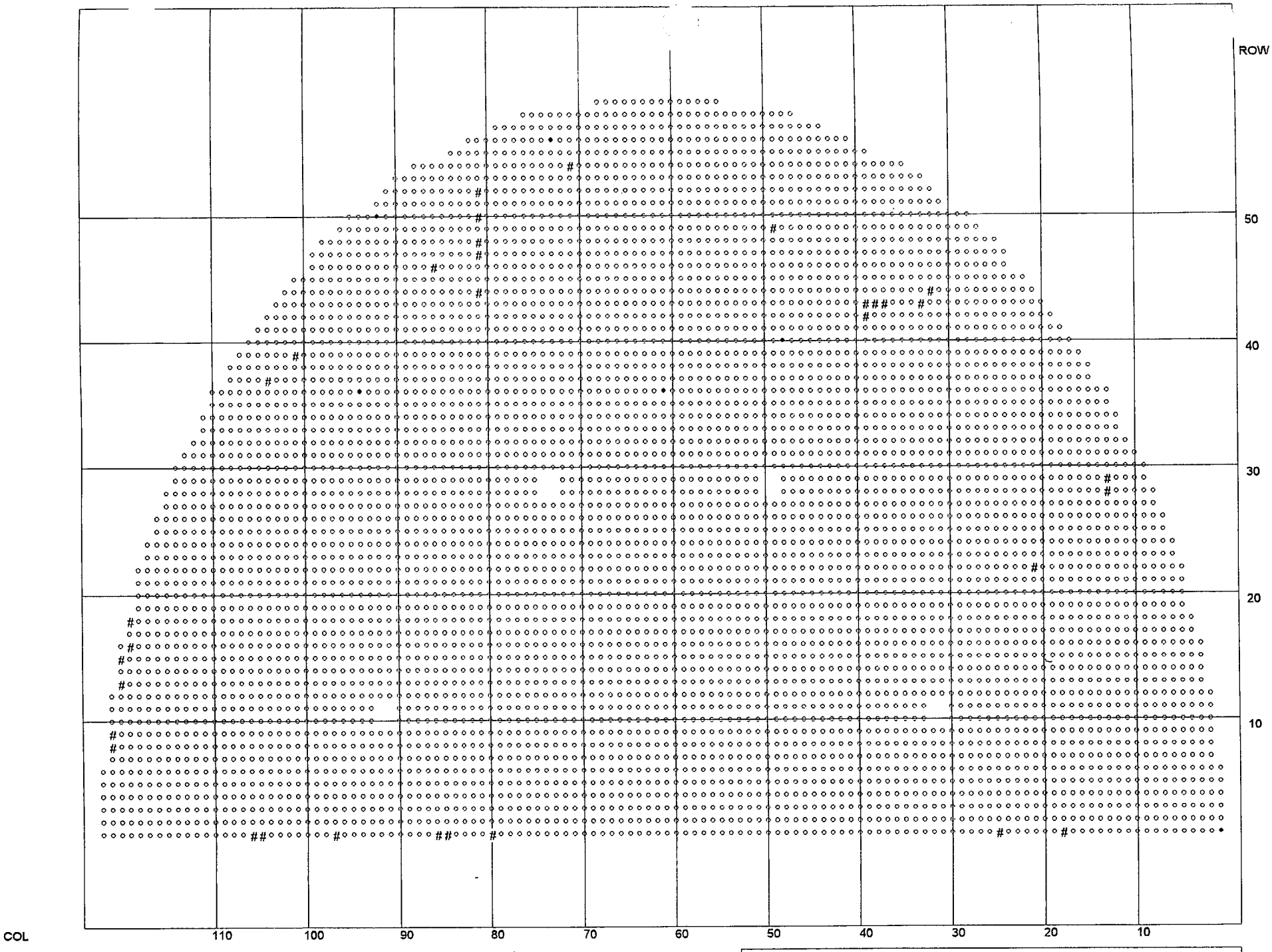
Row	Col	Leg	***	Extent Tst/Note	Reel	Probe	9905 Location	Volts	Deg	Ch	%	Diff	96-1 Location	Volts	Deg	Ch	%
		C		TEHTEC	SGCC044	540BOBMULCH	AV3 .0	.8		P 2	22	5	AV3 .0	.8		P 2	17
		C		TEHTEC	SGCC044	540BOBMULCH	AV4 .0	.8		P 2	23	5	AV4 .0	.9		P 2	18
		C		TEHTEC	SGCC044	540BOBMULCH	AV5 .0	1.4		P 2	31	4	AV5 .0	1.5		P 2	27
41	65	C		TEHTEC	SGCC044	540BOBMULCH	AV4 .0	.4		P 2	13	-2	AV4 .4	.7		P 2	15
		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)

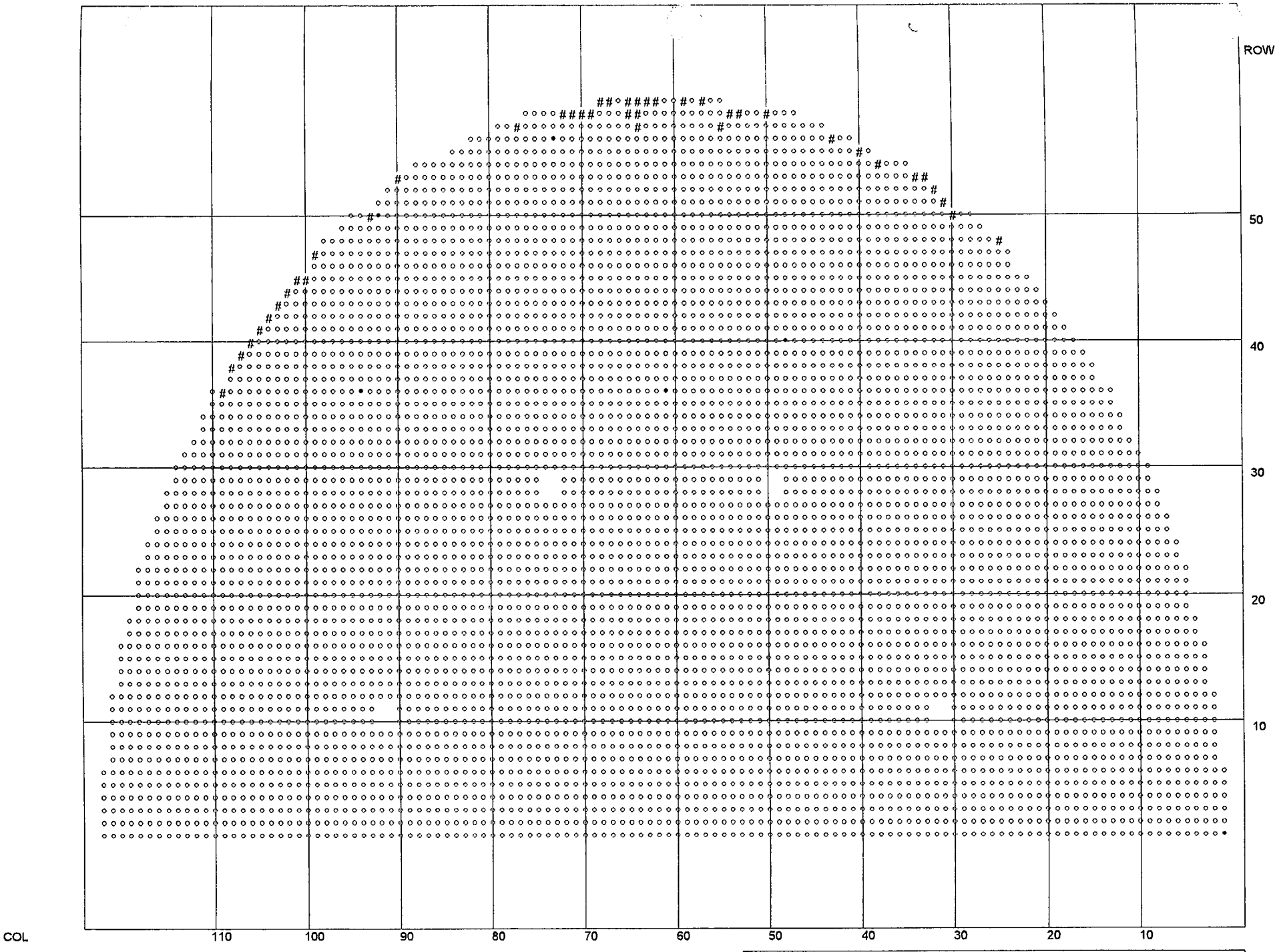


#: 33: SGC HOT LEG DENTS

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

ABB CENO

6 Plugged

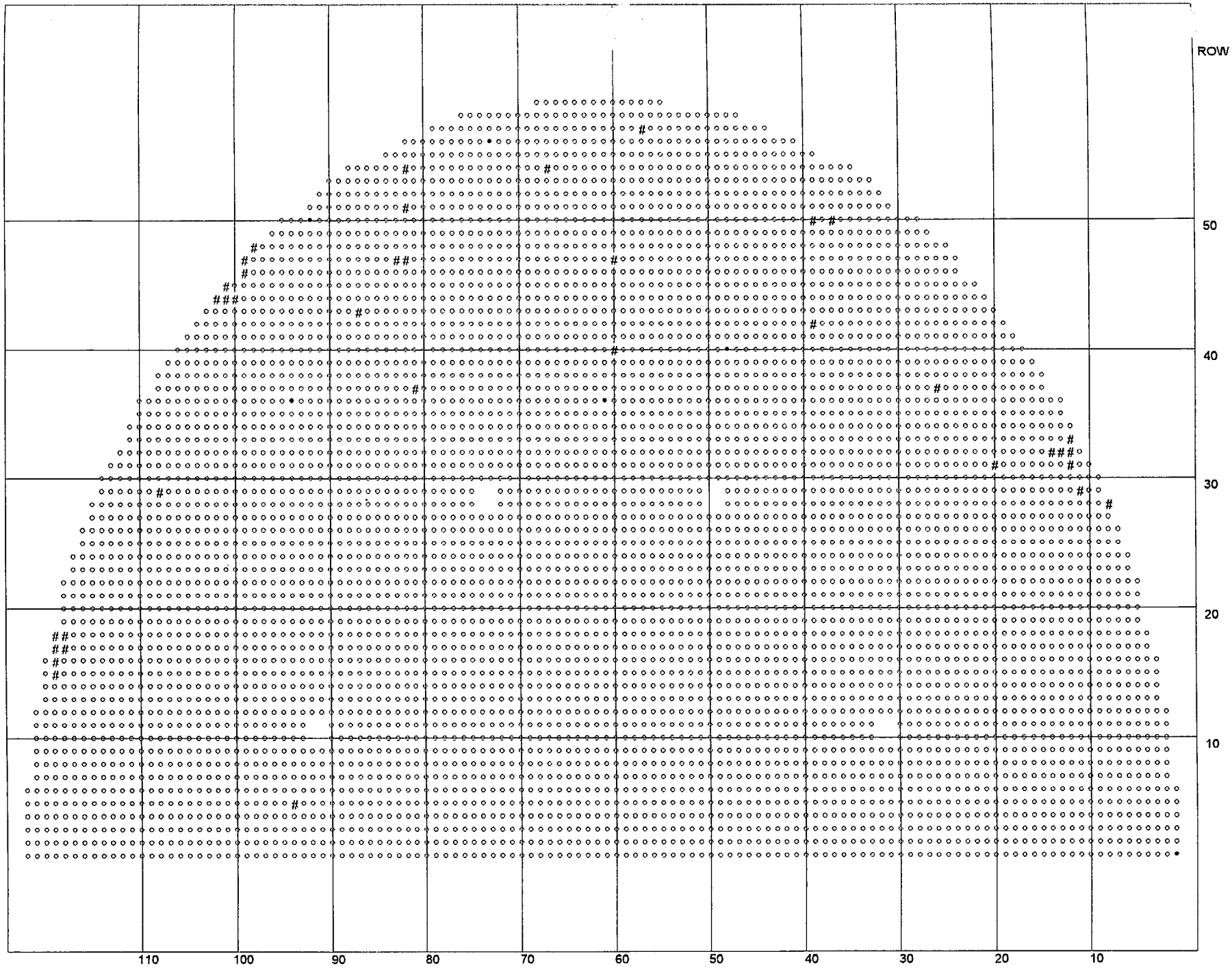


: 42 : SGC AVB DENTS

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

ABB CENO

6 Plugged



: 37 : SGC COLD LEG DENTS

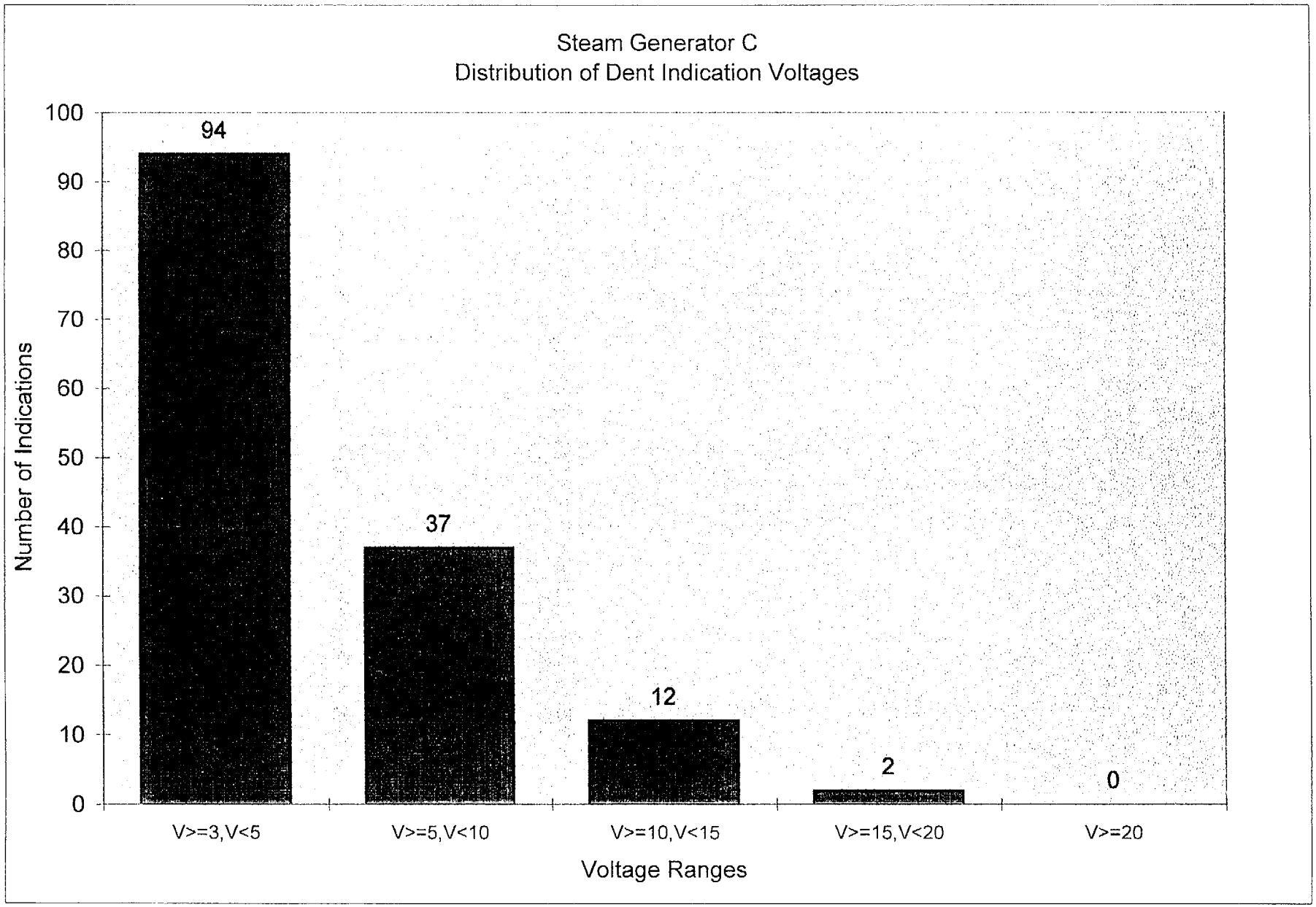
NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR C
05/17/99

ABB CENO

6 Plugged

STEAM GENERATOR C's
DENT's AT SUPPORT LOCATIONS

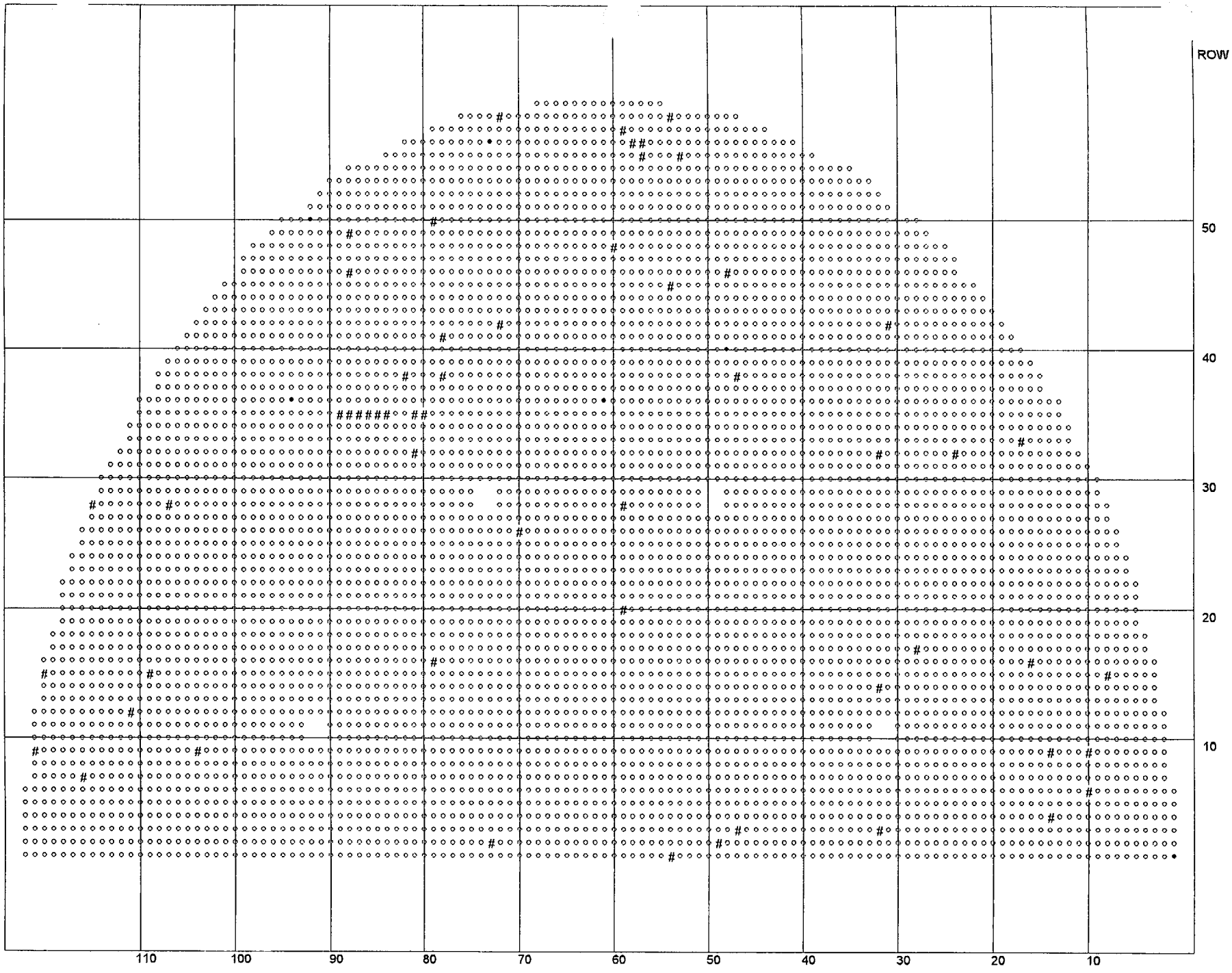
Voltage Range	01H	03H	08H	AV1	AV2	AV3	AV4	AV5	AV6	08C	07C	06C	04C	02C	Total Per Voltage Range
3-5	0	0	23	5	9	13	11	7	0	16	8	1	1	0	94
5-10	0	0	11	1	4	5	5	3	1	6	0	0	0	1	37
10-15	1	1	2	2	0	2	2	1	0	3	0	0	0	0	12
15-20	0	0	0	0	0	1	0	0	0	1	0	0	0	0	2
GT 20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total Per Support	1	1	36	8	13	21	18	11	1	26	8	1	1	1	145


Steam Generator C
Distribution of Dent Indication Voltages
Number of Indications
100
90
80
70
60
50
40
30
20
10
0
94
37
12
2
0
V>=3,V<5
V>=5,V<10
V>=10,V<15
V>=15,V<20
V>=20
Voltage Ranges

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)

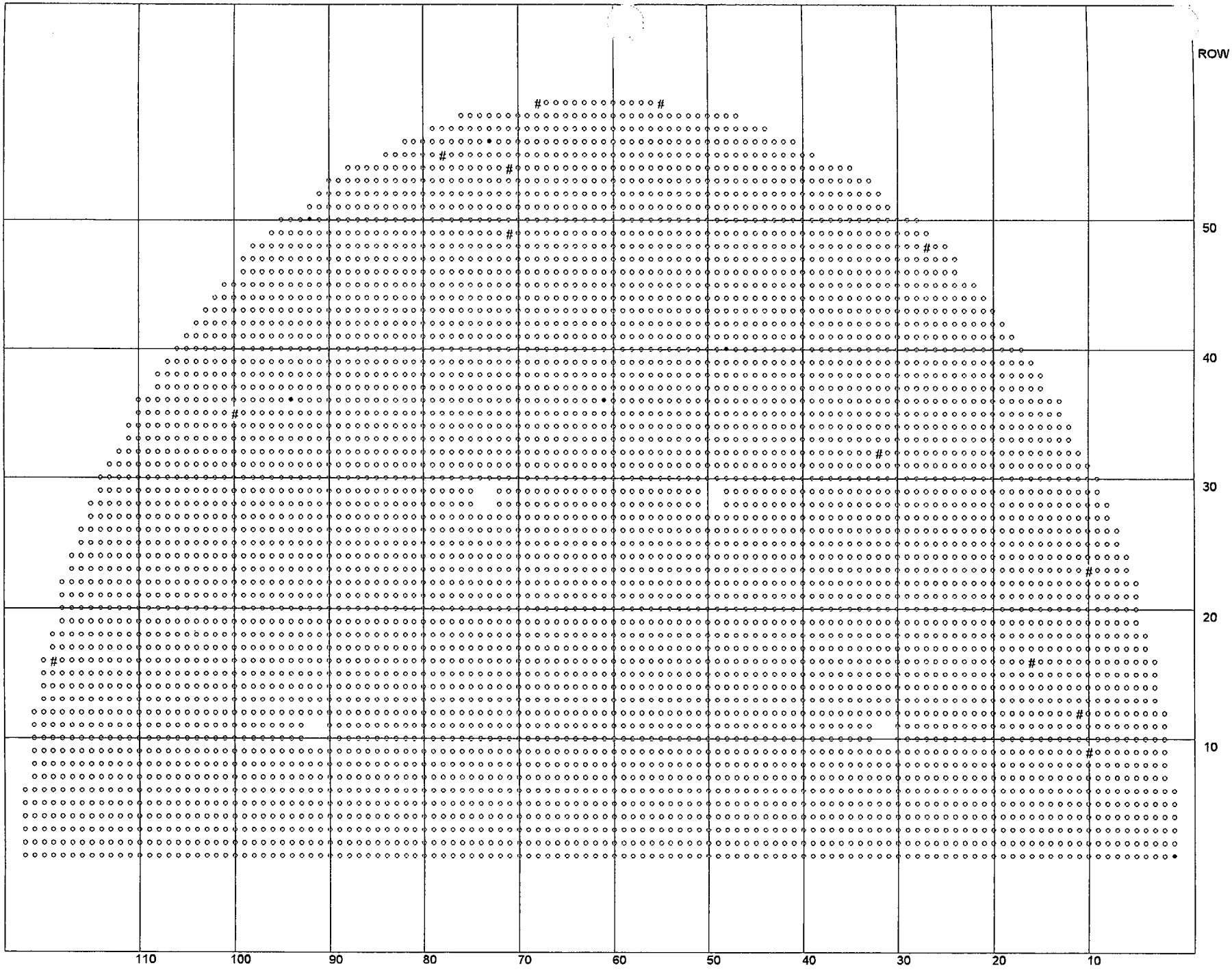


: 56 : SGC HOT LEG DINGS

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

ABB CENO

6 Plugged

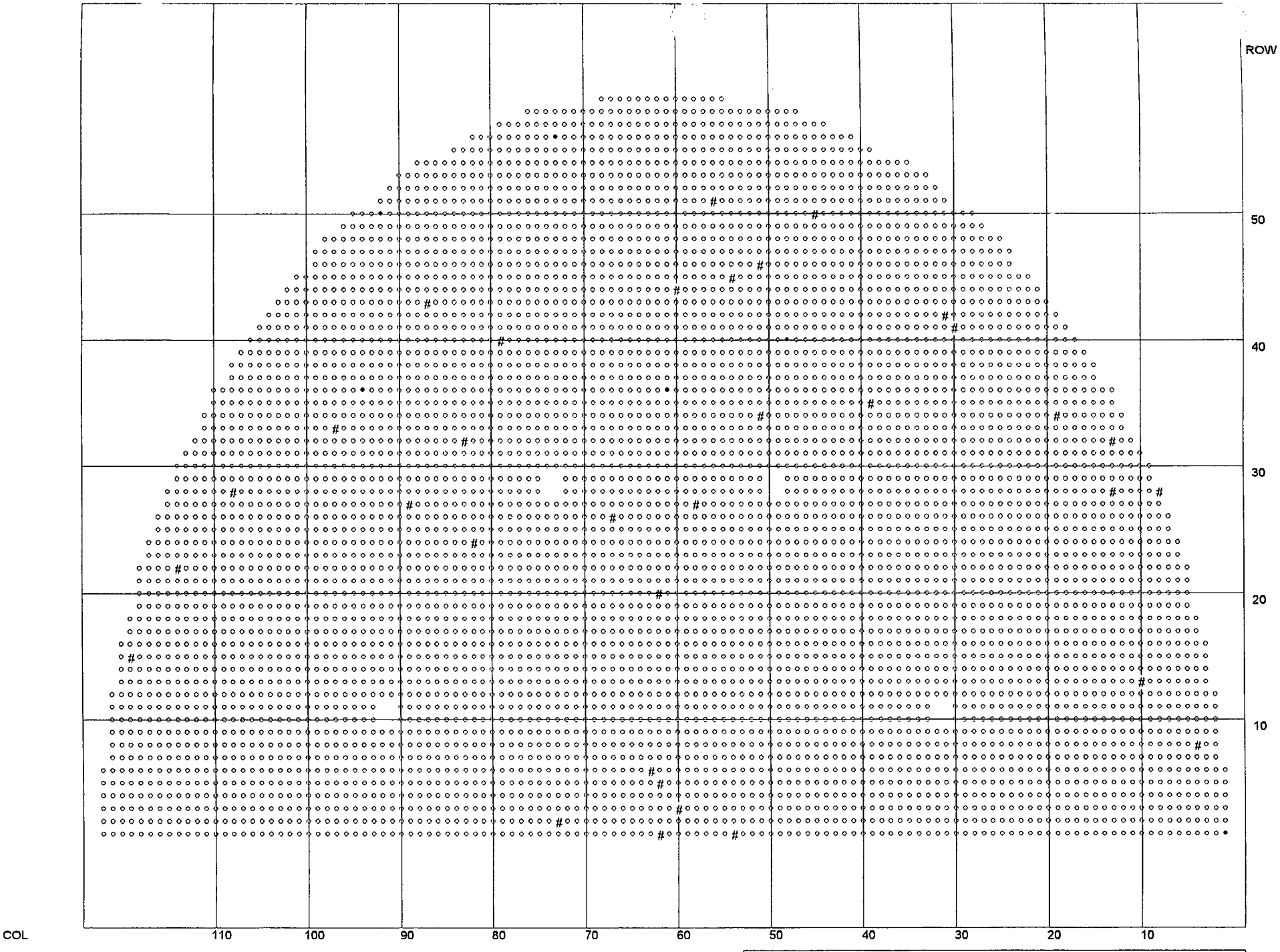


: 13 : SGC AVB DINGS

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

ABB CENO

6 Plugged



: 33 : SGC COLD LEG DINGS

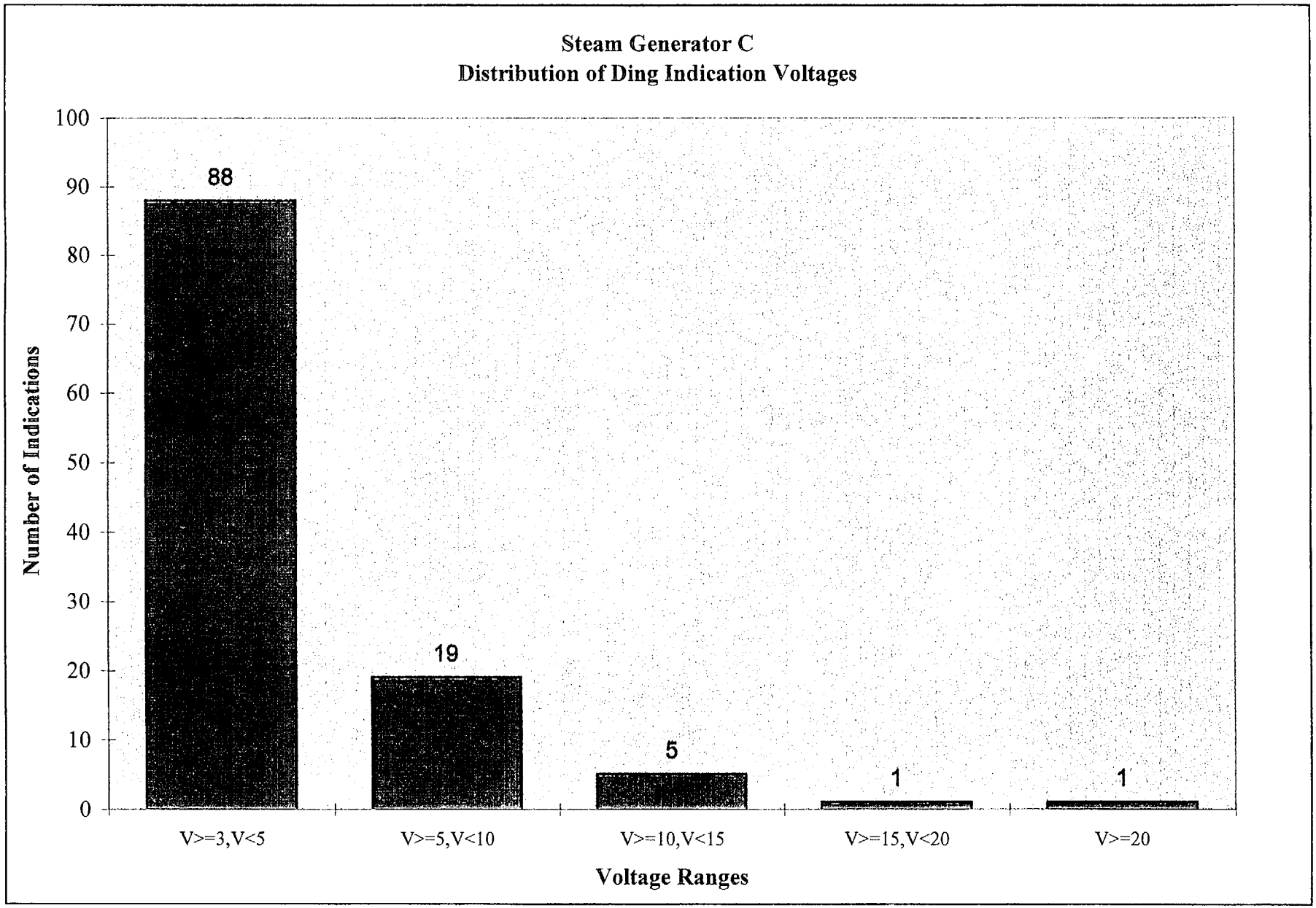
NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR C
05/18/99

ABB CENO

6 Plugged

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

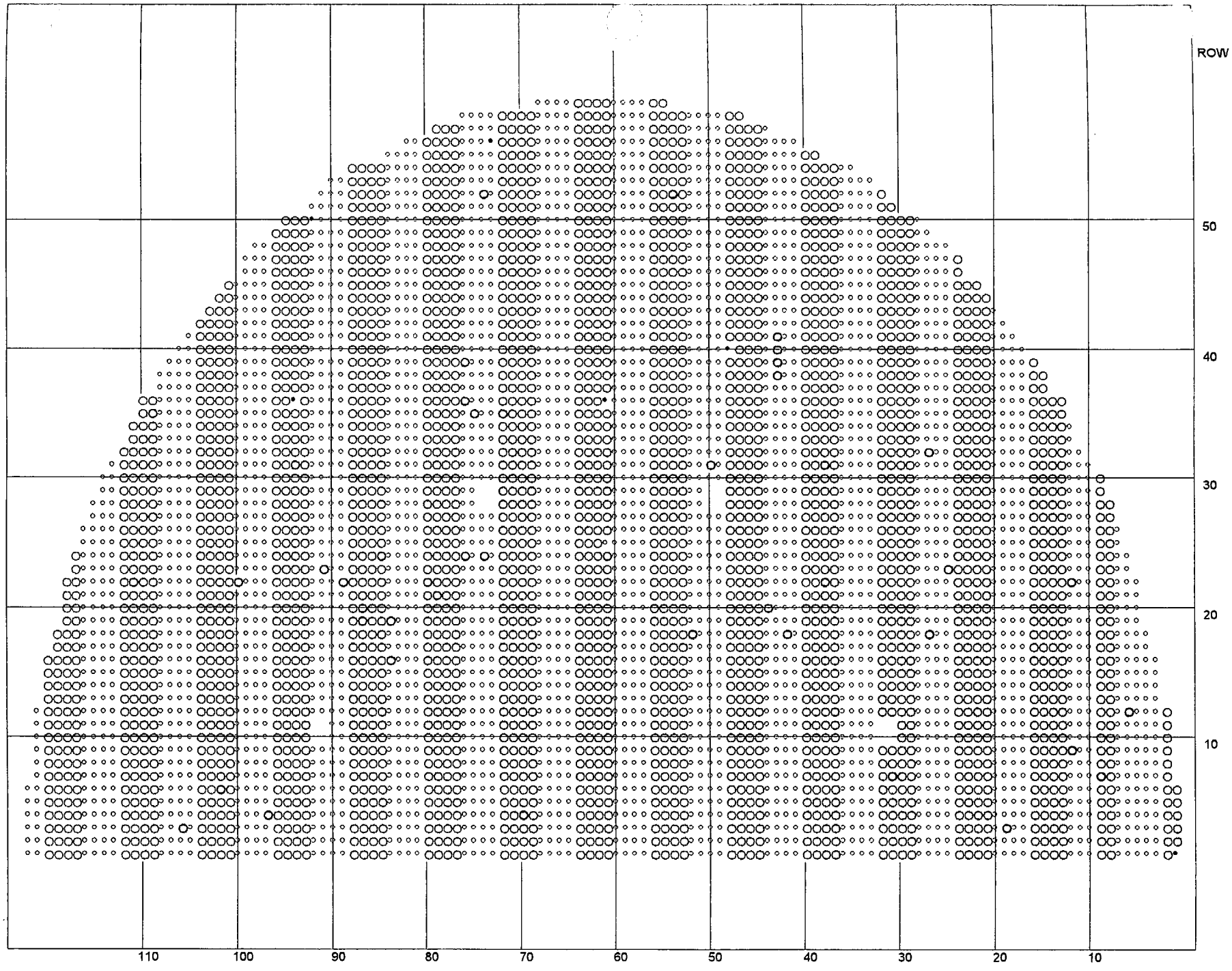
Voltage Range	3-5	5-10	10-15	15-20	GE 20	Total Per Support
TSH-01H	2	1	0	0	0	3
01H-02H	2	0	0	0	0	2
02H-03H	2	1	0	0	0	3
03H-04H	2	0	1	0	0	3
04H-05H	5	0	1	0	0	6
05H-06H	1	0	0	0	0	1
06H-07H	6	3	0	0	0	9
07H-08H	12	3	0	0	0	15
08H-AV1	15	4	1	0	0	20
AV1-AV2	4	0	0	0	0	4
AV2-AV3	1	0	0	0	0	1
AV3-AV4	1	0	0	0	0	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
Number of Indications
100
90
80
70
60
50
40
30
20
10
0
88
19
5
1
1
V>=3,V<5
V>=5,V<10
V>=10,V<15
V>=15,V<20
V>=20
Voltage Ranges

Attachment 3-5

MRPC

HL Tubesheet Expansion (Map)
U-Bend MRPC Exams (Map)
MRPC Exam of FTI Plugs (Map)

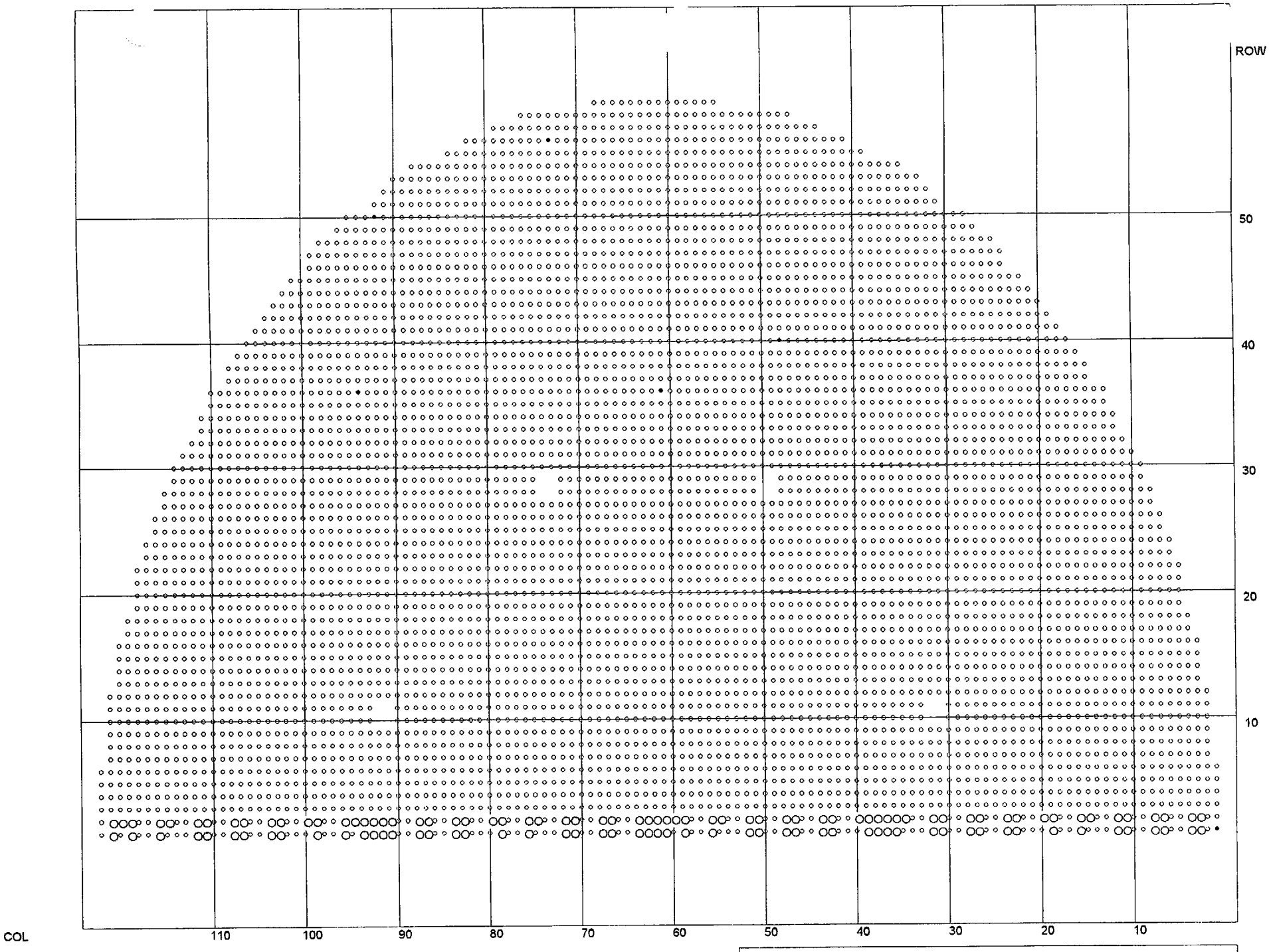


O : 2767 : SGC MRPC TSH +/- 3
O : 45 : SGC MRPC TSHTEH

6 Plugged

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

ABB CENO

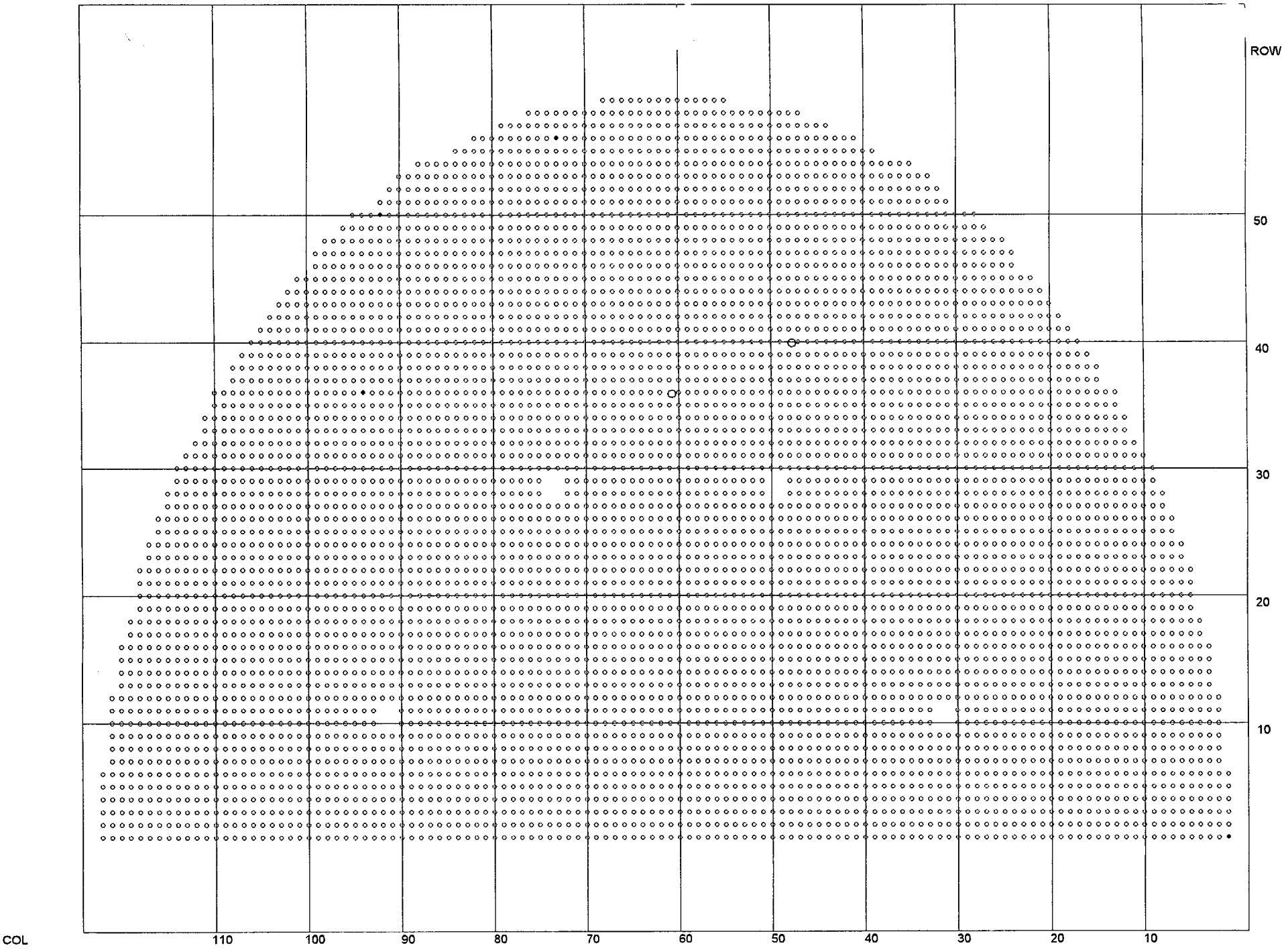


O : 122 : MRPC UBEND EXAMS ROW 1-2

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

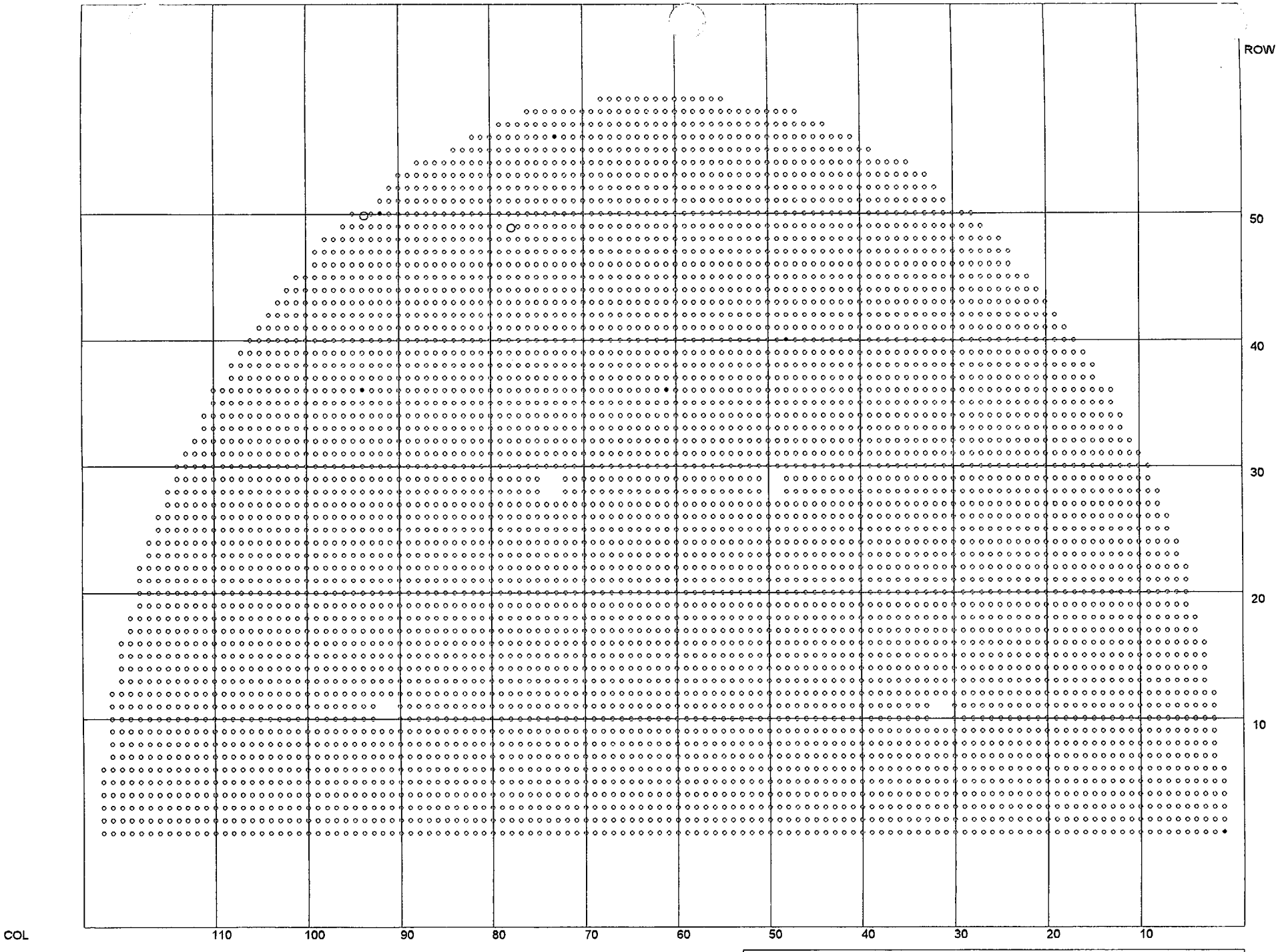
ABB CENO

4 Plugged

Attachment 3-6

Tube Plugging

Tubes Plugged RFO6 (Map)
Map of all Tubes Plugged

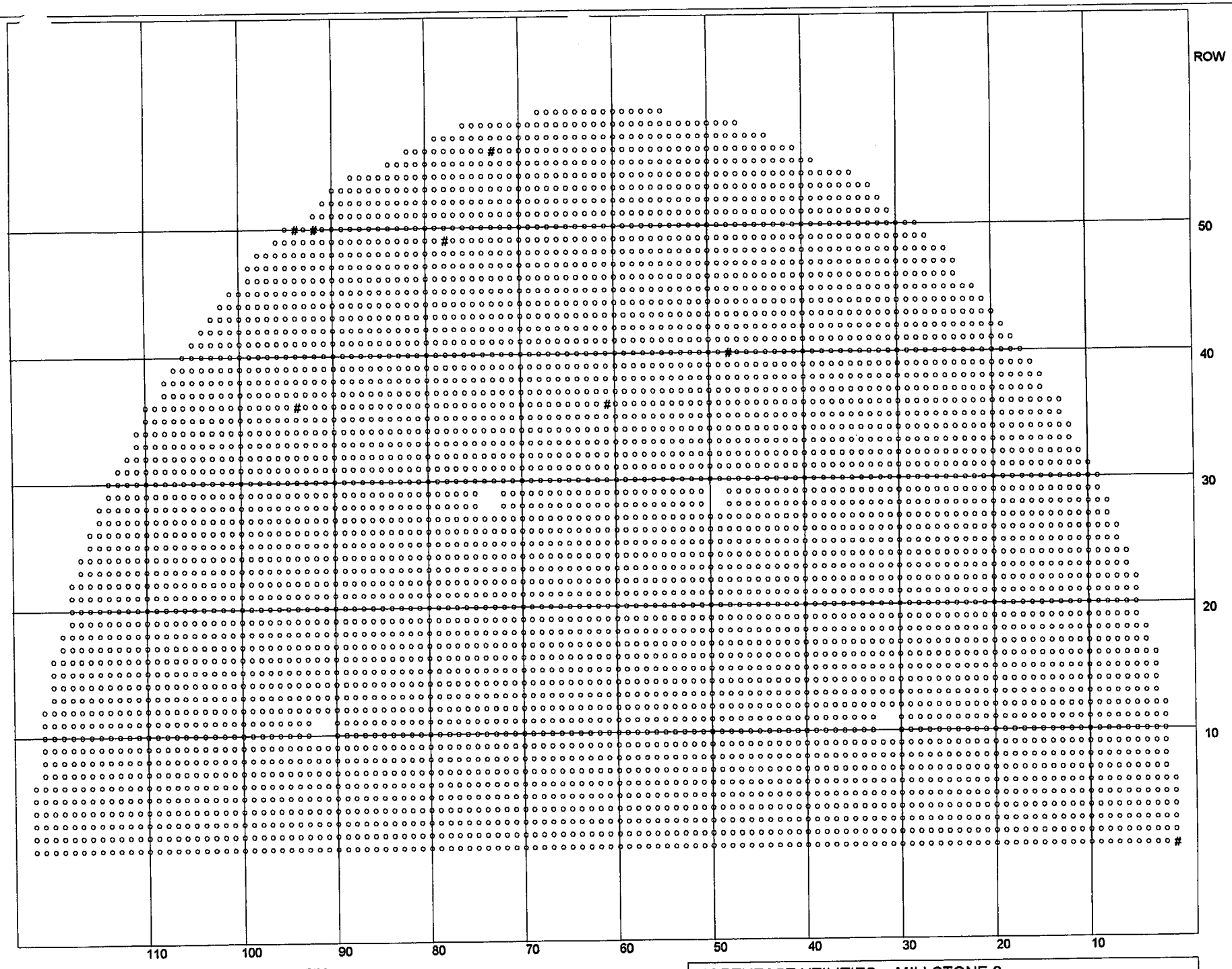


O : 2 : 1999 REPAIR TUBES

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

ABB CENO

6 Plugged



#: 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	OXP	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

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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	560RPCPP3C	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	

NORTHEAST UTILITIES
MILLSTONE UNIT 3
COMPONENT: SG_C
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All Indications Report

Row/Col		Volts	Deg	CH	Ind. Desc.	Indication Location		Extent Tested	Dataset	Cal	Probe	Util1
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	MRPCDENT	SGCH055	560RPCPP3C	
26	72	0.85	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	35	0.36	135	1	NQH	AV6	14.34	TEHTEC	BOBBIN	SGCC026	560BOBMULCH	
27	82	0.58	90	3	NQH	07C	4.68	TEHTEC	BOBBIN	SGCC033	560BOBMULCH	LR
27	85	0.29	60	3	NQH	03C	27.74	TEHTEC	BOBBIN	SGCC052	560BOBMULCH	
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	33.05	TEHTEC	BOBBIN	SGCC036	560BOBMULCH	
42	67	0.42	110	3	NQH	05C	35.69	TEHTEC	BOBBIN	SGCC043	540BOBMULCH	
43	22	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	

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48	85	1.10	92	P 1	VOL	01C	18.07	01C02C	BOBBIN	SGCC075	560RPCPP3C	
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	560RPCPP3C	LR
51	63	0.34	267	10	PLP	TSH	0.12	TSHTSH	MRPCTSH	SGCH029	560RPCPP3C	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

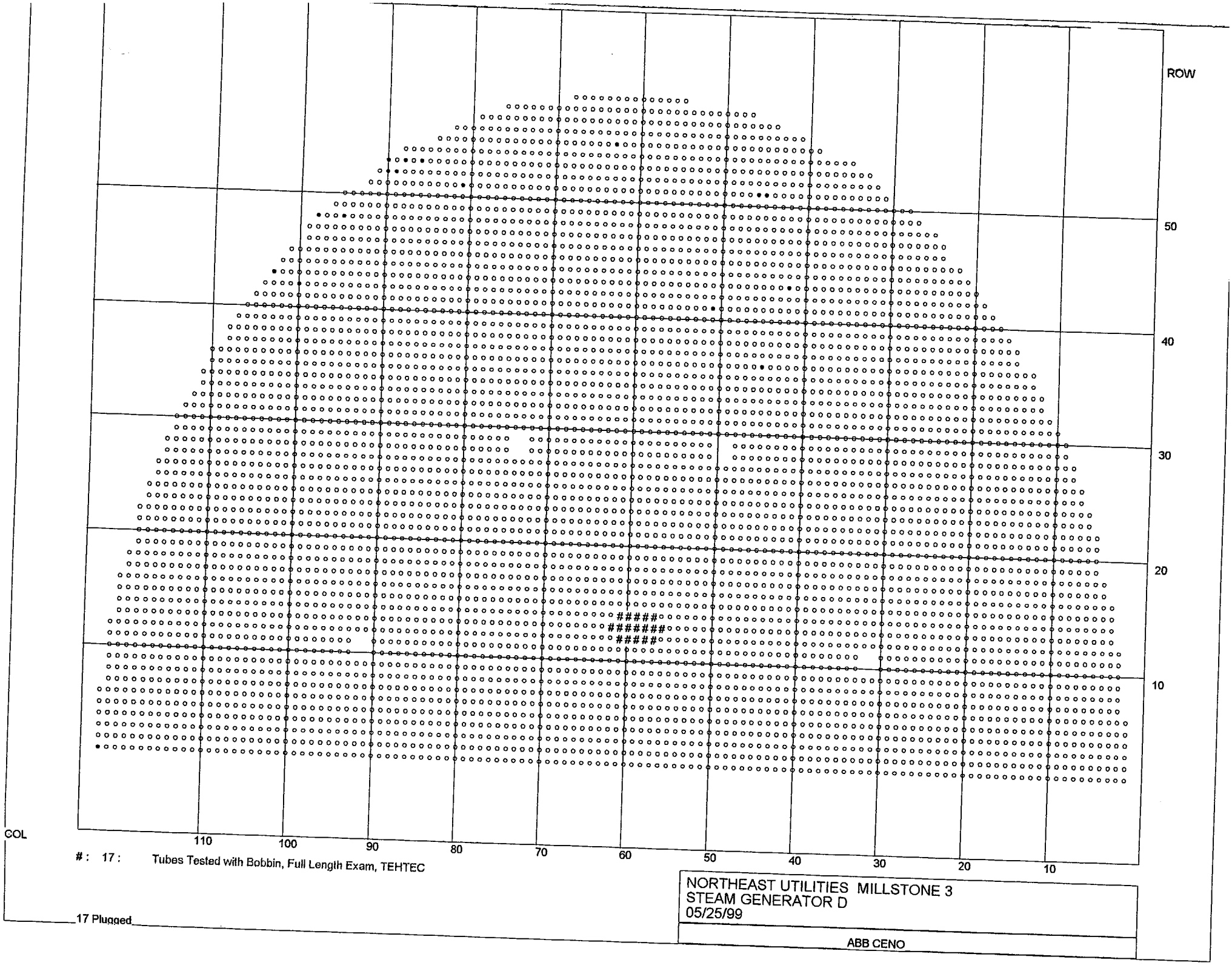
Attachment 4
Steam Generator D

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
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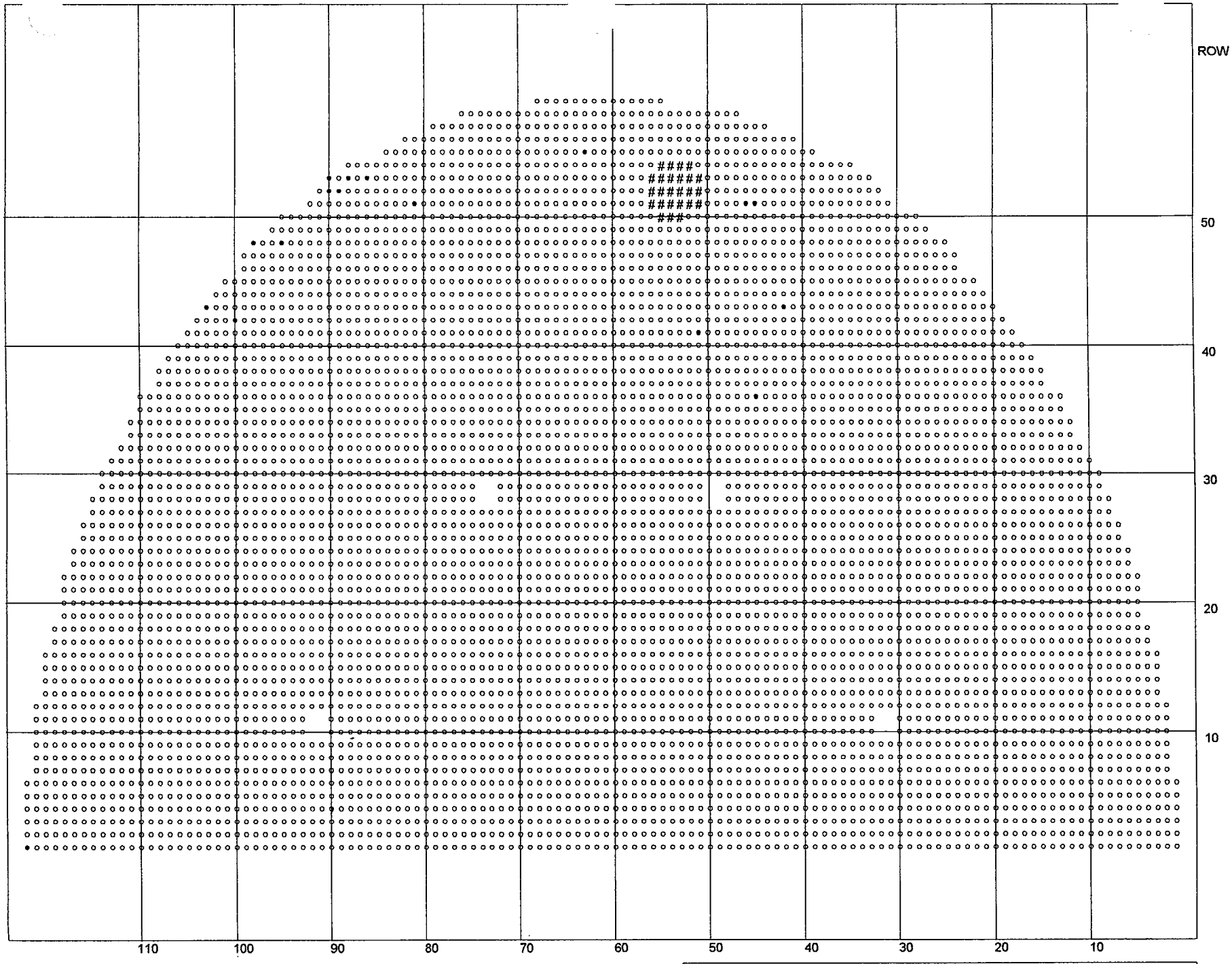
: 17 : Tubes Tested with Bobbin, Full Length Exam, TEHTEC
17 Plugged
NORTHEAST UTILITIES MILLSTONE 3
STEAM GENERATOR D
05/25/99
ABB CENO

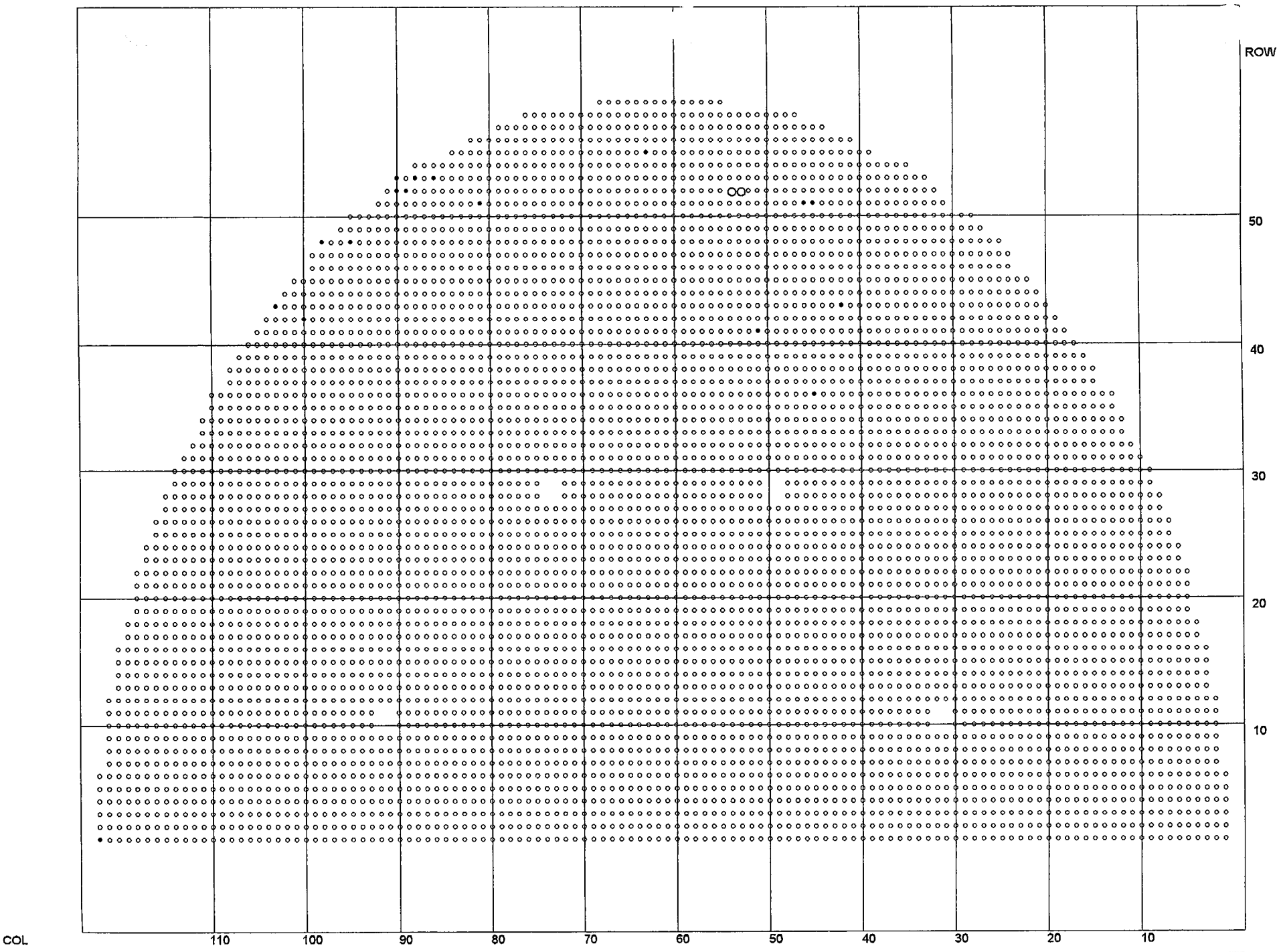


: 25 : Tubes Tested with Bobbin, Cold Leg Exam, 01CTEC

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

ABB CENO

17 Plugged

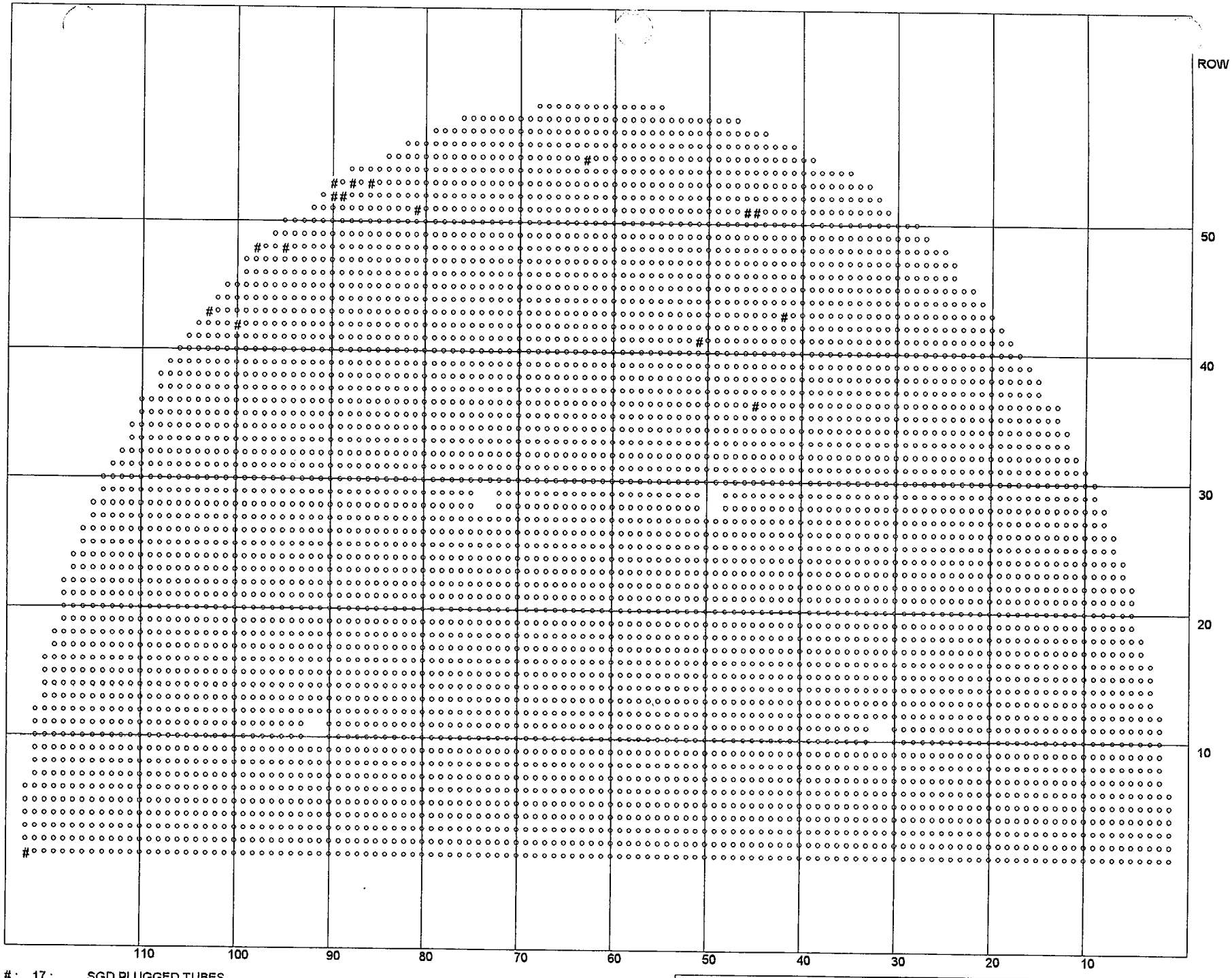


O : 2 : MRPC TSC EXAMS

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

ABB CENO

17 Plugged



#: 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