

ROCHESTER GAS AND ELECTRIC CORPORATION
89 East Avenue, Rochester, NY 14649

MATERIALS ENGINEERING AND INSPECTION SERVICES

SUMMARY EXAMINATION REPORT

FOR THE

1995 STEAM GENERATOR EDDY CURRENT INSPECTION

AT

R.E. GINNA NUCLEAR POWER STATION

REVISION 0

April 18, 1995

PREPARED BY:



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4/18/95

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"Pursuant to Section 11, Paragraphs 2.8.2 and 2.8.4 of Appendix B of the Ginna Station Quality Assurance Manual, the following information is submitted in regard to the number of tubes requiring repair in each steam generator:

	<u>"A" S/G</u>	<u>"B" S/G</u>
Number of Tubes Plugged	13	29
Number of Tubes Sleeved	75	91
Total Repairs	88	120

Of the 13 tubes plugged in the Hot Leg of "A" Steam Generator 10 were CE mechanical plugs and 3 were B&W explosive sleeve plugs (Parent tube defects in the sleeve upper weld zone were discovered during baseline eddy current examination of Row 31, Col 45; Row 32, Col 47; and Row 22, Col 67). In the "B" Steam Generator Hot Leg, 11 CE mechanical plugs were installed and 10 CE welded plugs were installed. A total of 8 B&W explosive sleeve plugs were installed. 2 B&W brazed sleeves (Row 12, Col 35 and Row 31, Col 54) were plugged for PWSCC indications at the lower joint; 1 brazed sleeve (Row 13, Col 46) was plugged due to the absence of a braze in the upper expansion; 2 sleeved tubes (Row 1, Col 54 and Row 1, Col 57) were plugged due to the sleeve causing obstruction of passage of an eddy current probe of sufficient fill factor through the unsleeved portion of the hot leg length of tubing; and 3 newly installed B&W kinetically welded tubesheet sleeves (Row 3, Col 16; Row 5, Col 16 and Row 8, Col 17) were plugged as a result of discovery of parent tube defects in the sleeve upper weld zone during baseline eddy current examinations. All cold leg repairs were CE mechanical plugs (13 in "A" S/G and 29 in "B" S/G).

The breakdown of the number of repairs required by defect mechanism is listed below:

	<u>"A" S/G</u>	<u>"B" S/G</u>
Roll Transition PWSCC	60 *	32 *
Crevice IGA/SCC	35 *	80 *
Obstructed Sleeves	0	3
PWSCC in B&W Brazed Sleeves	0	2
Unbrazed B&W Sleeves	0	1
Unwelded/Unfused CE Sleeves	0	8
"Blowhole" in CE Sleeve	0	1

* Includes tubes with both PWSCC and IGA/SCC

Maps showing the location of all tubes requiring repair as a result of eddy current examination are attached.

COL

ROW

40

30

20

10

10

20

30

40

50

60

70

80

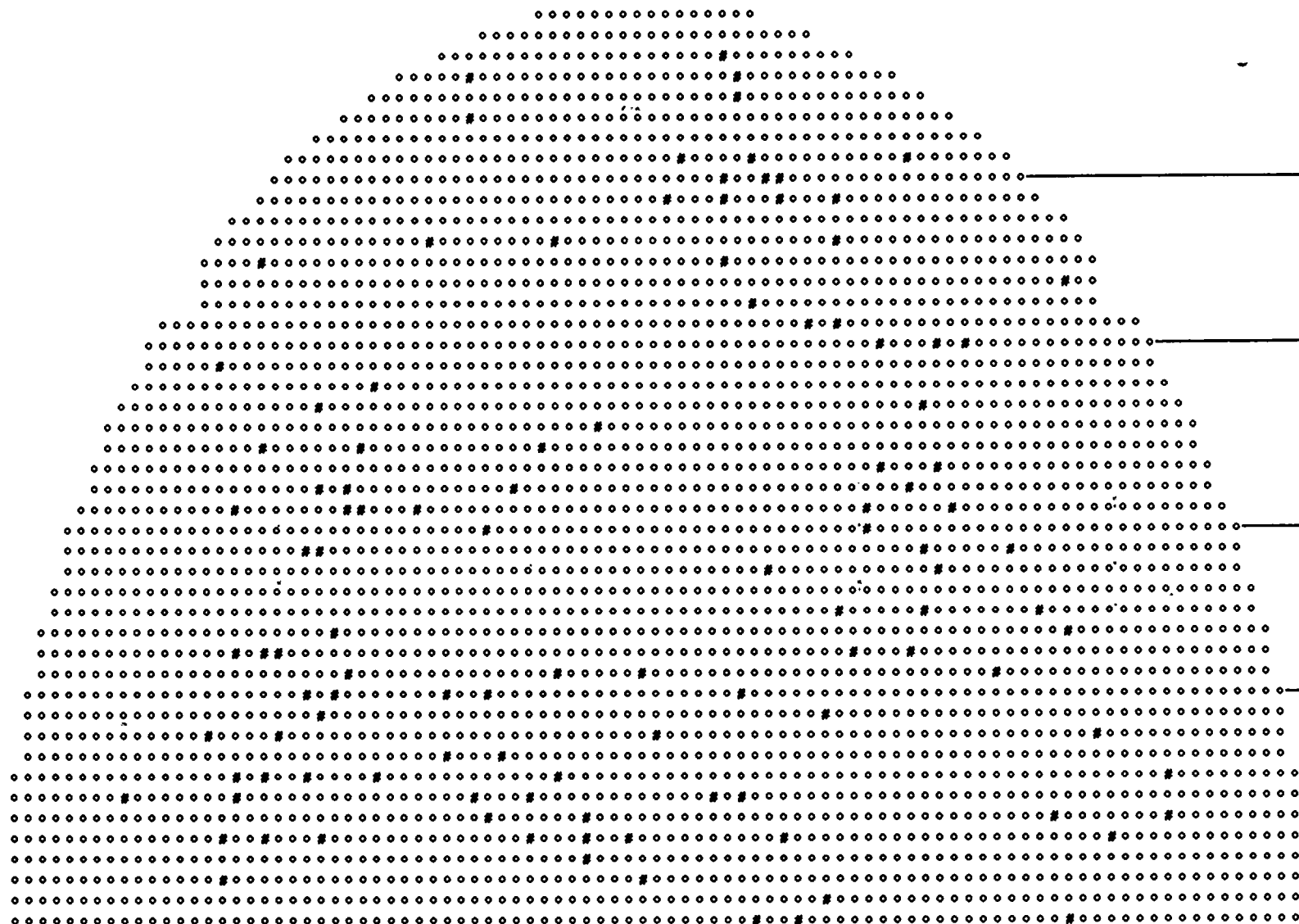
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88: TUBES TO BE REPAIRED - 95MAR OUTAGE

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S/G - A 04/07/95 Inlet

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ROW



37

29

20

12

5

COL

1 8 15 22 29 36 43 50 57 64 71 78 85 92

#: 113: TUBES TO BE REPAIRED - 95MAR OUTAGE

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Applied Computer Resources, Inc.