

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 N Y R E G 1 2 0 0 - 0 0 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
8 9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58 59

CON'T
0 1 REPORT SOURCE L 6 0 5 0 0 0 2 4 4 7 0 4 1 9 8 3 8 0 5 0 3 8 3 9
8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 During normal steam generator tube inservice inspection, 23 tubes in the "B" steam
0 3 generator inlet showed tube sheet crevice intergranular attack (IGA) indication above
0 4 the acceptance criteria of 40% through wall defect. Additionally 55 other tubes in
0 5 the "B" steam generator and 4 tubes in the "A" steam generator showed evidence of
0 6 minor IGA in the tube sheet crevice. These crevice IGA indications are similar to
0 7 those reported in LER's 79-006, 79-022, 80-003, 81-009, 82-003, and 82-022.
0 8
7 8 9 80

0 9 SYSTEM CODE C B 11 CAUSE CODE E 12 CAUSE SUBCODE D 13 COMPONENT CODE H T E X C H 14 COMP. SUBCODE F 15 VALVE SUBCODE Z 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

17 LER/RO REPORT NUMBER 8 3 EVENT YEAR 8 3
21 22 23
ACTION TAKEN B 18 X 19 FUTURE ACTION Z 20 EFFECT ON PLANT Z 21 SHUTDOWN METHOD 0 0 0 0 0 0 22 HOURS 0 0 0 0 0 0 23 ATTACHMENT SUBMITTED Y 23 NPD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER N 25 COMPONENT MANUFACTURER W 1 2 0 26
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 Concentrations of caustics and/or alkaline earths in the tube sheet crevice lead
1 1 to an electro-chemical intergranular attack of the tubing. The 78 tubes in the "B"
1 2 steam generator along with the four in the "A" steam generator shall be sleeved or
1 3 plugged in accordance with the inservice inspection program.
1 4
7 8 9 80

1 5 FACILITY STATUS H 28 % POWER 0 0 0 0 29 OTHER STATUS NA 30 METHOD OF DISCOVERY B 31 DISCOVERY DESCRIPTION Eddy Current Examination 32
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 6 ACTIVITY CONTENT Z 33 Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 8 PERSONNEL INJURIES NUMBER 0 0 0 0 40 DESCRIPTION NA 41
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

2 0 PUBLICITY ISSUED N 44 DESCRIPTION NA 45
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

NAME OF OPERATOR Thomas A. Meyer

NRC USE ONLY

PHONE (315) 524-4446

Attachment to IER 83-013/01T-0
Rochester Gas and Electric Corporation
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

A program of planned Eddy Current examination was conducted on both steam generators during the present refueling and maintenance outage. This examination consisted of multifrequency eddy current examination to detect and measure potential tube defects. The inlets of both steam generators received 100% inspection and the outlets received approximately 10% inspection.

The results of the examination of the steam generator examinations did not reveal any reportable indications in the outlets of either steam generator. After a final review of the data 78 tubes in the "P" steam generator and 4 tubes in the "A" steam generator had indications of tube sheet crevice intergranular attack. Only 23 tubes in the "P" steam generator were identified as having defects greater than the inservice inspection acceptance criteria.

These tube sheet crevice indications are caused by an electro-chemical intergranular attack of the mil-annealed incoloy tubing. This electro-chemical attack results from the potential caustic condition and alkaline earth contaminants that are the residual from an original phosphate chemistry control.

A program of crevice flushing has been conducted a number of times since 1980. These flushes have resulted in removing active species and contaminants from the crevices, thus, reducing the severity of attack to the tubing.

All of the tubes that have been identified with ICA indication shall be sleeved or plugged as specified in the Inservice Inspection Program.