

DUKE POWER COMPANY

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June 6, 1988

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

Subject: McGuire Nuclear Station, Unit 2
Docket No. 50-370
Steam Generator ISI

Gentlemen:

Pursuant to McGuire Nuclear Station Technical Specifications 4.4.5.5b and 6.9.2, attached is a report of the steam generator tube inspection for McGuire Unit 2, third refueling outage, ISI completed on June 6, 1987.

The following quantity of tubes were inspected from the inlet side of the steam generators:

TUBES INSPECTED

| <u>S/G</u> | <u>Full Length</u> | <u>Partial Length</u> |
|------------|--------------------|-----------------------|
| A | 325 | 4559 |
| B | 356 | 4560 |
| C | 363 | 4558 |
| D | 353 | 4557 |

The following information is submitted concerning tube indications of imperfections. (The attached lists identify the tubes with imperfections, their location and their size.)

| <u>Steam Generator</u> | <u>Attachment</u> |
|------------------------|-------------------|
| A | 1 |
| B | 2 |
| C | 3 |
| D | 4 |

The following quantities of tubes were removed from service. (The tubes are identified in the attachments.)

| <u>Steam Generator</u> | <u>Number of Tube Plugged</u> | <u>Attachment</u> |
|------------------------|-------------------------------|-------------------|
| A | 35 | 5 |
| B | 42 | 6 |
| C | 30 | 7 |
| D | 34 | 8 |

8806210014 880606
PDR ADOCK 05000370
Q DCD

A047
11

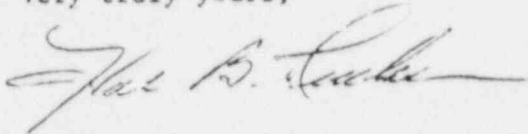
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June 6, 1988

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If further information is needed, please contact use through normal licensing channels.

Very truly yours,



Hal B. Tucker

JBD/269/bhp

Attachment

cc: Mr. Darl Hood
U.S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, DC 20555

Dr. J. Nelson Grace
Regional Administrator
Region II
U.S. Nuclear Regulatory Commission
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

✓ Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

Plant: McGUIRE UNIT 2
 Outage: 5/87 RFO

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF IMPERFECTIONS

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|--------------|---------|-------|-----------|--------|
| 38 | 45 | 5/87 RFO | ID (general) | 70 % TW | 0.00 | HTS-1-P | + 9.20 |
| 38 | 61 | 5/87 RFO | ID (general) | 57 % TW | 0.00 | HTS-1-P | +19.00 |
| 42 | 68 | 5/87 RFO | ID (general) | 57 % TW | 0.00 | HTS-1-P | +19.00 |
| 43 | 58 | 5/87 RFO | ID (general) | 57 % TW | 0.00 | HTS-1-P | +19.10 |
| | | 5/87 RFO | ID (general) | 59 % TW | 0.00 | HTS-1-P | +14.00 |
| | | 5/87 RFO | ID (general) | 62 % TW | 0.00 | HTS-1-P | +14.00 |
| | | 5/87 RFO | ID (general) | 65 % TW | 0.00 | HTS-1-P | +12.40 |
| | | 5/87 RFO | ID (general) | 75 % TW | 0.00 | HTS-1-P | + 8.00 |
| | | 5/87 RFO | ID (general) | 45 % TW | 0.00 | HTS-1-P | + 5.00 |
| 43 | 59 | 5/87 RFO | ID (general) | 89 % TW | 0.00 | HTS-1-P | +20.00 |
| | | 5/87 RFO | ID (general) | 91 % TW | 0.00 | HTS-1-P | +19.00 |
| | | 5/87 RFO | ID (general) | 67 % TW | 0.00 | HTS-1-P | +17.00 |
| | | 5/87 RFO | ID (general) | 95 % TW | 0.00 | HTS-1-P | +15.00 |
| 43 | 68 | 5/87 RFO | ID (general) | 50 % TW | 0.00 | HTS-1-P | +13.00 |
| 44 | 37 | 5/87 RFO | ID (general) | 37 % TW | 0.00 | HTS-1-P | +19.10 |
| 44 | 63 | 5/87 RFO | ID (general) | 59 % TW | 0.00 | HTS-1-P | + 7.70 |

TOTAL TUBES FOUND = 62
 TOTAL INDICATIONS FOUND = 85
 TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4559

Plant: McGUIRE UNIT 2
Outage: 5/87 RFO

Steam Generator: B

QUERY: ATTACHMENT 2 INDICATIONS OF IMPERFECTIONS

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|---------|-------------|-------|-------|-----------|--------|
| 110 | 58 | /87 RFO | ID (magnet) | 74 % | 0.00 | IT | +13.30 |
| 111 | 81 | /87 RFO | ID (magnet) | 40 % | 0.00 | IT | +13.10 |
| 112 | 21 | /87 RFO | ID (magnet) | 83 % | 0.00 | IT | +13.00 |
| 113 | 11 | /87 RFO | ID (magnet) | 49 % | 0.00 | IT | +17.90 |
| 114 | 44 | /87 RFO | ID (magnet) | 65 % | 0.00 | IT | +15.30 |
| 115 | 79 | /87 RFO | ID (magnet) | 46 % | 0.00 | IT | +15.10 |
| 116 | 71 | /87 RFO | ID (magnet) | 44 % | 0.00 | IT | +16.00 |
| 117 | 71 | /87 RFO | ID (magnet) | 87 % | 0.00 | IT | +19.90 |
| 118 | 73 | /87 RFO | ID (magnet) | 55 % | 0.00 | IT | +19.10 |
| 119 | 99 | /87 RFO | ID (magnet) | 49 % | 0.00 | IT | +19.30 |
| 120 | 70 | /87 RFO | ID (magnet) | 60 % | 0.00 | IT | +18.70 |
| 121 | 70 | /87 RFO | ID (magnet) | 50 % | 0.00 | IT | +9.30 |
| 122 | 114 | /87 RFO | ID (magnet) | 51 % | 0.00 | IT | +9.60 |
| 123 | 73 | /87 RFO | ID (magnet) | 44 % | 0.00 | IT | +19.40 |
| 124 | 73 | /87 RFO | ID (magnet) | 88 % | 0.00 | IT | +19.90 |
| 125 | 73 | /87 RFO | ID (magnet) | 50 % | 0.00 | IT | +19.80 |
| 126 | 73 | /87 RFO | ID (magnet) | 41 % | 0.00 | IT | +20.90 |
| 127 | 73 | /87 RFO | ID (magnet) | 44 % | 0.00 | IT | +20.50 |
| 128 | 100 | /87 RFO | ID (magnet) | 48 % | 0.00 | IT | +20.90 |
| 129 | 74 | /87 RFO | ID (magnet) | 79 % | 0.00 | IT | +11.80 |
| 130 | 74 | /87 RFO | ID (magnet) | 55 % | 0.00 | IT | +20.80 |
| 131 | 76 | /87 RFO | ID (magnet) | 63 % | 0.00 | IT | +15.60 |
| 132 | 76 | /87 RFO | ID (magnet) | 59 % | 0.00 | IT | +20.60 |
| 133 | 81 | /87 RFO | ID (magnet) | 91 % | 0.00 | IT | +17.80 |
| 134 | 81 | /87 RFO | ID (magnet) | 47 % | 0.00 | IT | +19.90 |
| 135 | 81 | /87 RFO | ID (magnet) | 79 % | 0.00 | IT | +18.40 |
| 136 | 81 | /87 RFO | ID (magnet) | 79 % | 0.00 | IT | +11.80 |
| 137 | 81 | /87 RFO | ID (magnet) | 73 % | 0.00 | IT | +19.10 |
| 138 | 81 | /87 RFO | ID (magnet) | 41 % | 0.00 | IT | +19.90 |
| 139 | 81 | /87 RFO | ID (magnet) | 79 % | 0.00 | IT | +15.40 |
| 140 | 4 | /87 RFO | ID (magnet) | 47 % | 0.00 | IT | +15.40 |
| 141 | 77 | /87 RFO | ID (magnet) | 65 % | 0.00 | IT | +18.40 |
| 142 | 77 | /87 RFO | ID (magnet) | 88 % | 0.00 | IT | +19.10 |
| 143 | 77 | /87 RFO | ID (magnet) | 48 % | 0.00 | IT | +19.60 |
| 144 | 77 | /87 RFO | ID (magnet) | 44 % | 0.00 | IT | +18.10 |
| 145 | 93 | /87 RFO | ID (magnet) | 41 % | 0.00 | IT | +17.90 |
| 146 | 93 | /87 RFO | ID (magnet) | 49 % | 0.00 | IT | +19.80 |
| 147 | 93 | /87 RFO | ID (magnet) | 77 % | 0.00 | IT | +16.80 |
| 148 | 93 | /87 RFO | ID (magnet) | 77 % | 0.00 | IT | +16.10 |
| 149 | 93 | /87 RFO | ID (magnet) | 83 % | 0.00 | IT | +19.60 |
| 150 | 93 | /87 RFO | ID (magnet) | 46 % | 0.00 | IT | +19.90 |
| 151 | 74 | /87 RFO | ID (magnet) | 55 % | 0.00 | IT | +19.90 |
| 152 | 80 | /87 RFO | ID (magnet) | 65 % | 0.00 | IT | +19.60 |
| 153 | 80 | /87 RFO | ID (magnet) | 41 % | 0.00 | IT | +19.60 |
| 154 | 70 | /87 RFO | ID (magnet) | 79 % | 0.00 | IT | +19.90 |
| 155 | 70 | /87 RFO | ID (magnet) | 63 % | 0.00 | IT | +19.90 |
| 156 | 89 | /87 RFO | ID (magnet) | 50 % | 0.00 | IT | +18.90 |
| 157 | 89 | /87 RFO | ID (magnet) | 48 % | 0.00 | IT | +18.90 |
| 158 | 93 | /87 RFO | ID (magnet) | 47 % | 0.00 | IT | +13.60 |
| 159 | 86 | /87 RFO | ID (magnet) | 74 % | 0.00 | IT | +14.40 |
| 160 | 19 | /87 RFO | ID (magnet) | 41 % | 0.00 | IT | +17.10 |
| 161 | 76 | /87 RFO | ID (magnet) | 58 % | 0.00 | IT | +18.90 |
| 162 | 50 | /87 RFO | ID (magnet) | 44 % | 0.00 | IT | +18.70 |
| 163 | 50 | /87 RFO | ID (magnet) | 60 % | 0.00 | IT | 17 |
| 164 | 45 | /87 RFO | ID (magnet) | 60 % | 0.00 | IT | 17 |
| 165 | 66 | /87 RFO | ID (magnet) | 60 % | 0.00 | IT | 17 |
| 166 | 51 | /87 RFO | ID (magnet) | 60 % | 0.00 | IT | 17 |
| 167 | 63 | /87 RFO | ID (magnet) | 64 % | 0.00 | IT | 17 |

TOTAL TUBES FOUND == 59
 TOTAL INDICATIONS FOUND == 64
 TOTAL TUBES IN INPUT FILE == 4674
 TOTAL TUBES INSPECTED == 4560

Plant: McGUIRE UNIT 2
 Outage: 5/87 RFO

Steam Generator: C

QUERY: ATTACHMENT 3 INDICATIONS OF IMPERFECTIONS

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|--------------|---------|-------|-----------|--------|
| 2 | 11 | 5/87 RFO | ID (general) | 42 % TW | 0.00 | ITS-D | +20.00 |
| 4 | 88 | 5/87 RFO | ID (general) | 55 % TW | 0.00 | ITS-D | +12.00 |
| 4 | 95 | 5/87 RFO | ID (general) | 97 % TW | 0.00 | ITS-D | +7.00 |
| 5 | 44 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +10.00 |
| 5 | 74 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +19.00 |
| | | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +10.70 |
| 8 | 61 | 5/87 RFO | ID (general) | 80 % TW | 0.00 | ITS-D | +19.40 |
| 9 | 17 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +12.60 |
| 10 | 35 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +20.40 |
| 10 | 80 | 5/87 RFO | ID (general) | 63 % TW | 0.00 | ITS-D | +3.70 |
| 11 | 68 | 5/87 RFO | ID (general) | 63 % TW | 0.00 | ITS-D | +11.40 |
| 11 | 70 | 5/87 RFO | ID (general) | 55 % TW | 0.00 | ITS-D | +4.60 |
| | | 5/87 RFO | ID (general) | 71 % TW | 0.00 | ITS-D | +17.70 |
| | | 5/87 RFO | ID (general) | 57 % TW | 0.00 | ITS-D | +10.50 |
| 13 | 66 | 5/87 RFO | ID (general) | 41 % TW | 0.00 | ITS-D | +7.60 |
| 13 | 76 | 5/87 RFO | ID (general) | 57 % TW | 0.00 | ITS-D | +19.00 |
| 14 | 38 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +10.00 |
| | | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +10.00 |
| 14 | 66 | 5/87 RFO | ID (general) | 92 % TW | 0.00 | ITS-D | +10.10 |
| | | 5/87 RFO | ID (general) | 63 % TW | 0.00 | ITS-D | +10.30 |
| 14 | 69 | 5/87 RFO | ID (general) | 44 % TW | 0.00 | ITS-D | +10.70 |
| | | 5/87 RFO | ID (general) | 71 % TW | 0.00 | ITS-D | +19.30 |
| 14 | 70 | 5/87 RFO | ID (general) | 91 % TW | 0.00 | ITS-D | +10.00 |
| 14 | 71 | 5/87 RFO | ID (general) | 42 % TW | 0.00 | ITS-D | +16.00 |
| | | 5/87 RFO | ID (general) | 62 % TW | 0.00 | ITS-D | +15.40 |
| 14 | 76 | 5/87 RFO | ID (general) | 42 % TW | 0.00 | ITS-D | +10.00 |
| 14 | 77 | 5/87 RFO | ID (general) | 57 % TW | 0.00 | ITS-D | +14.90 |
| 15 | 68 | 5/87 RFO | ID (general) | 46 % TW | 0.00 | ITS-D | +10.10 |
| 16 | 109 | 5/87 RFO | ID (general) | 50 % TW | 0.00 | ITS-D | +16.00 |
| | | 5/87 RFO | ID (general) | 44 % TW | 0.00 | ITS-D | +12.00 |
| 20 | 48 | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +17.00 |
| | | 5/87 RFO | ID (general) | 40 % TW | 0.00 | ITS-D | +10.00 |
| 35 | 44 | 5/87 RFO | ID (general) | 44 % TW | 0.00 | ITS-D | +10.00 |
| 35 | 69 | 5/87 RFO | ID (general) | 67 % TW | 0.00 | ITS-D | +20.50 |
| 37 | 44 | 5/87 RFO | ID (general) | 47 % TW | 0.00 | ITS-D | +14.00 |
| 37 | 99 | 5/87 RFO | OD (general) | 20 % TW | 0.00 | ITS-D | +9.10 |
| 46 | 26 | 5/87 RFO | ID (general) | 41 % TW | 0.00 | ITS-D | +17.00 |

TOTAL TUBES FOUND = 28
 TOTAL INDICATIONS FOUND = 37
 TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4558

Plant: McGUIRE UNIT 2
 Outage: 5/87 RFO

Steam Generator: A

QUERY: ATTACHMENT 5 TUBES PLUGGED

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|------------|--------|-------|-----------|--------|
| 1 | 62 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 63 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 79 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 80 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 81 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 88 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 89 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 90 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 91 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 92 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 93 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 94 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 95 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 96 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 97 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 98 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 99 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 100 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 101 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 102 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 103 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 104 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 105 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 106 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 107 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 108 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 109 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 110 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 111 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 112 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 113 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 114 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 115 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 116 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 117 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 118 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 119 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 120 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 121 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 122 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 123 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 124 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 125 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 126 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 127 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 128 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 129 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 130 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 131 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 132 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 133 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 134 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 135 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 136 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 137 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 138 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 139 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 140 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 141 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 142 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 143 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |
| 1 | 144 | 5/87 RFO | PLUGGED | 3MFC01 | | HTS-0 | |

TOTAL TUBES FOUND = 65
 TOTAL INDICATIONS FOUND = 65
 TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4553

Plant: MCGUIRE UNIT 2
 Outage: 5/87 RFO

Steam Generator: B

QUERY: ATTACHMENT 6 TUBES PLUGGED

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|------------|-------|-------|-----------|--------|
| 1 | 58 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 81 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 82 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 51 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 54 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 79 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 97 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 71 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 99 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 50 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 114 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 95 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 20 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 58 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 30 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 33 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 66 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 78 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 8 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 65 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 78 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 83 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 55 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 82 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 80 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 77 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 60 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 70 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 56 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 84 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 70 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 76 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 61 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 74 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 80 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 53 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 91 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 79 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 16 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 19 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 76 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |
| 1 | 80 | 5/87 RFO | PLUGGED | MECH | | HTS | -D |

TOTAL TUBES FOUND = 42
 TOTAL INDICATIONS FOUND = 42

TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4560

Plant: McGUIFE UNIT 2
 Outage: 5/87 RFO

Steam Generator: C

QUERY: ATTACHMENT 7 TUBES PLUGGED

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|------------|-------|-------|-----------|--------|
| 2 | 11 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 4 | 35 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 7 | 4 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 9 | 2 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 10 | 18 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 6 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 3 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 7 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 1 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 1 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 4 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 3 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 6 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 7 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 7 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 6 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 7 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 9 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 9 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 3 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 4 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 6 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 3 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 3 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 4 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 6 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |
| 11 | 8 | 5/87 RFO | PLUGGED | 33 | | ITS | 0 |

TOTAL TUBES FOUND = 66
 TOTAL INDICATIONS FOUND = 66
 TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4558

Plant: McGUIRE UNIT 2
 Outage: 5/87 RFO

Steam Generator: D

QUERY: ATTACHMENT 8 TUBES PLUGGED

| ROW | COL | OUTAGE | INDICATION | VALUE | VOLTS | ELEVATION | INCHES |
|-----|-----|----------|------------|-------|-------|-----------|--------|
| 5 | 36 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 6 | 70 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 7 | 17 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 7 | 69 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 7 | 73 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 8 | 104 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 9 | 82 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 10 | 70 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 10 | 102 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 84 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 85 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 86 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 96 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 101 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 11 | 111 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 13 | 55 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 14 | 96 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 18 | 84 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 37 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 64 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 69 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 102 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 101 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 102 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 64 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 35 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 39 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 71 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 97 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 105 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 98 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 19 | 64 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 47 | 58 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |
| 48 | 58 | 5/87 RFO | PLUGGED | 3300H | | HTS | -D |

TOTAL TUBES FOUND = 34
 TOTAL INDICATIONS FOUND = 34
 TOTAL TUBES IN INPUT FILE = 4674
 TOTAL TUBES INSPECTED = 4557