

DUKE POWER COMPANY

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VICE PRESIDENT
NUCLEAR PRODUCTION

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July 6, 1989

U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Subject: McGuire Nuclear Station, Unit 2
Docket No. 50-370
Fourth Refueling Outage
Steam Generator Tube Inservice Inspection
Special Report (T.S. 4.4.5.5.b/6.9.2)

Gentlemen:

Pursuant to McGuire Nuclear Station Technical Specifications 4.4.5.5b and 6.9.2, the following information is submitted for the McGuire Unit 2, fourth refueling outage steam generator tube inservice inspection completed July 8, 1988.

- 1) The following quantity of tubes was inspected from the inlet side of the steam generator:

<u>Steam Generator</u>	<u>Tubes Inspected</u>	
	<u>Full Length</u>	<u>Partial Length</u>
A	907	4524
B	964	4518
C	957	4538
D	985	4548

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

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

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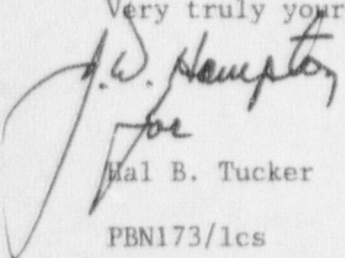
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3) The following quantities of tubes were removed from service. (The tubes are identified in the attachments.):

<u>Steam Generator</u>	<u>Number of Tubes Plugged</u>	<u>Attachment</u>
A	41	5
B	35	6
C	52	7
D	37	8

Should there be any questions concerning this matter or if additional information is desired, please advise.

Very truly yours,


Hal B. Tucker
PBN173/lcs

Attachments

xc: (w/Attachments)

Mr. S. D. Ebner, Regional Administrator
U. S. Nuclear Regulatory Commission, Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. D. S. Hood, Project Manager
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, D.C. 20555

Mr. P. K. Van Doorn
Sr. NRC Resident Inspector
McGuire Nuclear Station

Document Control Desk

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bx: (w/Attachments)

C. B. Cheezem (QA)

W. A. Haller

R. O. Sharpe - MNS

S. A. Gewehr

R. C. Futrell

P. R. Herran

C. W. Hendrix - MNS

D. B. Mayes

J. S. Warren

S. E. LeRoy

MC-801.01

Plant: McGuire Unit 2
Outage: 06/88 RFO

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	65	06/88 RFO	ID (general)	S/N	4.34	HTS-S	- 7.90
3	16	06/88 RFO	ID (general)	S/N	5.48	HTS-S	- 4.60
3	21	06/88 RFO	ID (general)	S/N	11.94	HTS-S	-17.70
3	54	06/88 RFO	ID (general)	S/N	6.07	HTS-S	- 7.10
		06/88 RFO	ID (general)	S/N	6.23	HTS-S	- 7.70
3	57	06/88 RFO	ID (general)	S/N	4.02	HTS-S	-12.60
3	61	06/88 RFO	ID (general)	S/N	3.65	HTS-S	- 8.10
3	62	06/88 RFO	ID (general)	S/N	7.90	HTS-S	- 6.30
3	68	06/88 RFO	ID (general)	S/N	3.61	HTS-P	+10.20
3	95	06/88 RFO	ID (general)	S/N	1.75	HTS-S	- 5.30
3	112	06/88 RFO	ID (general)	S/N	1.31	HTS-S	- 1.10
4	18	06/88 RFO	ID (general)	S/N	1.23	HTS-S	-11.30
4	16	06/88 RFO	ID (general)	S/N	4.87	HTS-S	- 2.90
		06/88 RFO	ID (general)	S/N	5.71	HTS-S	- 6.50
		06/88 RFO	8x1	21 % TW	2.45	HTS-S	- 3.10
4	18	06/88 RFO	ID (general)	S/N	1.23	HTS-S	- 3.50
4	20	06/88 RFO	ID (general)	S/N	2.23	HTS-S	- 8.90
4	40	06/88 RFO	ID (general)	S/N	1.34	HTS-P	+ 2.10
4	51	06/88 RFO	ID (general)	S/N	4.94	HTS-S	- 9.60
4	54	06/88 RFO	ID (general)	S/N	4.83	HTS-S	-16.00
4	67	06/88 RFO	ID (general)	S/N	1.43	HTS-S	-12.20
4	71	06/88 RFO	ID (general)	S/N	0.80	HTS-S	-11.80
4	73	06/88 RFO	ID (general)	S/N	0.90	HTS-S	-17.40
4	82	06/88 RFO	ID (general)	S/N	5.37	HTS-P	+ 1.40
4	83	06/88 RFO	ID (general)	S/N	5.40	HTS-P	+ 2.20
4	96	06/88 RFO	ID (general)	S/N	0.34	3	+37.10
5	54	06/88 RFO	ID (general)	S/N	9.29	HTS-S	- 4.20
		06/88 RFO	ID (general)	S/N	4.27	HTS-S	-12.90
5	75	06/88 RFO	ID (general)	S/N	6.59	HTS-S	- 5.50
5	113	06/88 RFO	ID (general)	S/N	4.86	HTS-P	+ 9.90
5	114	06/88 RFO	ID (general)	S/N	2.33	HTS-S	- 0.30
6	3	06/88 RFO	ID (general)	S/N	4.36	HTS-S	-10.50
6	16	06/88 RFO	ID (general)	S/N	5.25	HTS-S	- 2.50
		06/88 RFO	8x1	21 % TW	2.43	HTS-S	- 3.20
6	21	06/88 RFO	ID (general)	S/N	14.64	HTS-S	-12.50
6	28	06/88 RFO	ID (general)	S/N	2.16	HTS-P	+11.30
		06/88 RFO	ID (general)	S/N	0.72	HTS-P	+ 6.60
6	35	06/88 RFO	ID (general)	S/N	9.50	HTS-P	+18.30
		06/88 RFO	8x1	65 % TW	11.46	HTS-S	- 2.40
6	50	06/88 RFO	ID (general)	S/N	1.43	HTS-S	-15.30
6	66	06/88 RFO	ID (general)	S/N	0.92	HTS-S	- 9.80
		06/88 RFO	ID (general)	S/N	1.36	HTS-S	-16.60
6	105	06/88 RFO	ID (general)	S/N	2.82	HTS-S	- 0.80
		06/88 RFO	ID (general)	S/N	2.82	HTS-S	- 0.70
6	107	06/88 RFO	ID (general)	S/N	3.94	HTS-S	- 0.80
6	113	06/88 RFO	ID (general)	S/N	1.82	HTS-S	- 0.20
7	21	06/88 RFO	ID (general)	S/N	1.68	HTS-S	- 1.50
7	73	06/88 RFO	ID (general)	S/N	3.11	HTS-S	- 7.30
		06/88 RFO	ID (general)	S/N	2.65	HTS-S	-11.70
7	112	06/88 RFO	ID (general)	S/N	1.91	HTS-S	- 0.30
8	44	06/88 RFO	ID (general)	S/N	1.60	HTS-P	+ 5.00
8	62	06/88 RFO	ID (general)	S/N	9.91	HTS-S	- 3.70
		06/88 RFO	8x1	53 % TW	9.39	HTS-S	- 4.30
8	73	06/88 RFO	ID (general)	S/N	1.77	HTS-S	-13.60
9	12	06/88 RFO	ID (general)	S/N	1.15	HTS-S	- 0.80
9	14	06/88 RFO	ID (general)	S/N	1.51	HTS-S	- 0.70
9	16	06/88 RFO	ID (general)	S/N	1.20	HTS-P	+19.20
9	53	06/88 RFO	ID (general)	S/N	2.19	HTS-S	- 6.00
		06/88 RFO	ID (general)	S/N	2.81	HTS-S	- 9.60
9	92	06/88 RFO	ID (general)	S/N	1.46	CTS-S	- 6.90
9	93	06/88 RFO	ID (general)	S/N	2.32	CTS-S	- 2.50
9	105	06/88 RFO	ID (general)	S/N	6.18	HTS-S	-13.80
10	13	06/88 RFO	ID (general)	S/N	10.32	HTS-P	+ 0.70
10	16	06/88 RFO	ID (general)	S/N	0.87	HTS-S	- 6.00
10	34	06/88 RFO	ID (general)	S/N	1.91	HTS-P	+16.20
10	42	06/88 RFO	ID (general)	S/N	3.73	HTS-P	+15.80
10	44	06/88 RFO	ID (general)	S/N	3.16	HTS-S	-13.30

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
10	97	06/88 RFD	ID (general)	S/N	4.10	HTS-P	+18.70
		06/88 RFD	8x1	21 % TW	2.42	HTS-S	- 3.20
10	113	06/88 RFD	ID (general)	S/N	1.80	HTS-P	+10.20
11	12	06/88 RFD	ID (general)	S/N	3.84	HTS-S	- 2.00
		06/88 RFD	ID (general)	S/N	2.11	HTS-S	- 3.40
11	18	06/88 RFD	ID (general)	S/N	1.12	HTS-S	- 4.40
11	21	06/88 RFD	ID (general)	S/N	3.43	HTS-S	- 7.70
11	44	06/88 RFD	ID (general)	S/N	4.73	HTS-P	+14.70
11	78	06/88 RFD	8x1	22 % TW	2.65	HTS-S	+ 1.00
11	90	06/88 RFD	ID (general)	S/N	1.81	HTS-P	+ 2.30
11	109	06/88 RFD	ID (general)	S/N	1.45	HTS-P	+ 8.20
12	4	06/88 RFD	ID (general)	S/N	1.75	HTS-S	- 1.70
12	35	06/88 RFD	ID (general)	S/N	11.45	HTS-P	+ 4.10
12	50	06/88 RFD	ID (general)	S/N	5.90	HTS-P	+16.80
12	53	06/88 RFD	ID (general)	S/N	2.78	HTS-S	-13.80
		06/88 RFD	ID (general)	S/N	2.94	HTS-S	-14.60
12	54	06/88 RFD	ID (general)	S/N	2.62	HTS-S	-12.80
		06/88 RFD	ID (general)	S/N	1.44	HTS-S	-13.50
12	62	06/88 RFD	ID (general)	S/N	1.50	HTS-S	- 8.70
12	81	06/88 RFD	ID (general)	S/N	1.62	HTS-S	- 2.40
		06/88 RFD	8x1	31 % TW	5.20	HTS-S	- 2.80
12	97	06/88 RFD	ID (general)	S/N	4.56	HTS-P	+17.30
13	24	06/88 RFD	ID (general)	S/N	3.97	HTS-S	- 3.30
13	35	06/88 RFD	ID (general)	S/N	1.16	HTS-P	+ 4.10
		06/88 RFD	ID (general)	S/N	0.84	HTS-P	+ 1.10
13	61	06/88 RFD	ID (general)	S/N	4.10	HTS-S	-13.30
14	56	06/88 RFD	ID (general)	S/N	1.07	HTS-S	- 4.60
14	72	06/88 RFD	ID (general)	S/N	3.07	HTS-S	-14.50
14	73	06/88 RFD	ID (general)	S/N	6.71	HTS-S	- 3.40
		06/88 RFD	8x1	30 % TW	5.06	HTS-S	- 3.70
14	97	06/88 RFD	ID (general)	S/N	5.16	HTS-P	+18.30
		06/88 RFD	8x1	31 % TW	5.22	HTS-S	- 3.50
15	17	06/88 RFD	ID (general)	S/N	4.36	HTS-S	-13.60
15	23	06/88 RFD	ID (general)	S/N	4.08	HTS-S	- 9.40
15	57	06/88 RFD	ID (general)	S/N	6.35	HTS-S	- 6.40
15	67	06/88 RFD	ID (general)	S/N	5.93	HTS-P	+ 9.70
15	74	06/88 RFD	ID (general)	S/N	1.59	HTS-P	+18.90
15	78	06/88 RFD	ID (general)	S/N	3.44	HTS-S	-15.70
15	111	06/88 RFD	ID (general)	S/N	2.27	HTS-S	- 6.30
15	112	06/88 RFD	ID (general)	S/H	0.98	HTS-S	-10.50
16	9	06/88 RFD	ID (general)	S/N	6.50	HTS-S	- 6.90
16	23	06/88 RFD	ID (general)	S/N	4.83	HTS-S	- 1.00
16	29	06/88 RFD	ID (general)	S/N	6.07	HTS-S	- 7.80
16	33	06/88 RFD	ID (general)	S/H	9.44	HTS-S	- 9.70
		06/88 RFD	ID (general)	S/N	8.45	HTS-S	-11.70
16	42	06/88 RFD	ID (general)	S/N	1.62	HTS-P	+12.70
16	76	06/88 RFD	ID (general)	S/N	1.83	HTS-S	- 9.30
16	78	06/88 RFD	ID (general)	S/N	1.70	HTS-S	-15.90
16	111	06/88 RFD	ID (general)	S/N	1.65	HTS-S	- 9.60
17	24	06/88 RFD	ID (general)	S/N	7.47	HTS-S	- 6.80
		06/88 RFD	ID (general)	S/N	8.99	HTS-S	-10.70
17	25	06/88 RFD	ID (general)	S/N	6.38	HTS-S	- 6.80
17	48	06/88 RFD	ID (general)	S/N	3.37	HTS-S	- 4.00
		06/88 RFD	8x1	25 % TH	3.48	HTS-S	- 3.90
17	51	06/88 RFD	ID (general)	S/N	1.88	HTS-S	-15.00
17	53	06/88 RFD	ID (general)	S/N	1.67	HTS-S	- 1.70
		06/88 RFD	ID (general)	S/N	5.18	HTS-S	- 2.90
		06/88 RFD	8x1	24 % TW	3.32	HTS-S	- 2.90
17	72	06/88 RFD	ID (general)	S/N	1.77	HTS-S	-11.70
17	78	06/88 RFD	ID (general)	S/N	1.26	HTS-S	-13.70
17	92	06/88 RFD	ID (general)	S/N	7.89	HTS-P	+16.60
17	111	06/88 RFD	ID (general)	S/N	1.80	HTS-S	- 4.90
18	13	06/88 RFD	ID (general)	S/N	6.57	HTS-S	- 4.00
18	33	06/88 RFD	ID (general)	S/N	5.48	HTS-S	- 6.70
		06/88 RFD	ID (general)	S/N	8.13	HTS-S	- 9.60
18	76	06/88 RFD	ID (general)	S/N	1.02	HTS-S	-15.50
18	78	06/88 RFD	ID (general)	S/N	1.59	HTS-S	-16.40

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
19	29	06/88 RFD	ID (general)	S/N	7.39	HTS-S	- 7.00
19	52	06/88 RFD	ID (general)	S/N	3.99	HTS-S	-13.80
19	73	06/88 RFD	ID (general)	S/N	6.49	HTS-S	-10.10
19	89	06/88 RFD	ID (general)	S/N	1.88	HTS-S	-13.20
20	28	06/88 RFD	ID (general)	S/N	3.87	HTS-P	+10.90
20	72	06/88 RFD	ID (general)	S/N	1.13	HTS-S	-11.10
		06/88 RFD	ID (general)	S/N	3.23	HTS-S	- 5.60
20	74	06/88 RFD	ID (general)	S/N	1.18	HTS-P	+ 5.50
20	92	06/88 RFD	ID (general)	S/N	3.20	HTS-P	+ 8.70
21	21	06/88 RFD	ID (general)	S/N	3.06	HTS-S	- 4.90
21	23	06/88 RFD	ID (general)	S/N	1.24	HTS-S	-16.50
21	51	06/88 RFD	ID (general)	S/N	16.05	HTS-S	- 3.10
		06/88 RFD	8x1	32 % TW	5.61	HTS-S	- 2.90
21	109	06/88 RFD	ID (general)	S/N	8.65	HTS-S	- 4.10
21	110	06/88 RFD	ID (general)	S/N	1.40	HTS-S	-11.50
22	19	06/88 RFD	ID (general)	S/N	9.14	HTS-S	- 1.00
		06/88 RFD	8x1	25 % TW	3.54	HTS-S	- 1.10
22	58	06/88 RFD	ID (general)	S/N	1.56	HTS-S	-12.50
23	24	06/88 RFD	ID (general)	S/N	7.54	HTS-S	- 3.70
		06/88 RFD	8x1	24 % TW	3.23	HTS-S	- 4.10
23	39	06/88 RFD	ID (general)	S/N	8.89	HTS-P	+13.90
23	60	06/88 RFD	ID (general)	S/N	5.99	HTS-S	- 4.30
23	78	06/88 RFD	ID (general)	S/N	1.45	HTS-S	-14.70
24	22	06/88 RFD	ID (general)	S/N	4.61	HTS-S	-17.60
24	59	06/88 RFD	ID (general)	S/N	4.27	HTS-S	-10.80
24	74	06/88 RFD	ID (general)	S/N	1.20	HTS-S	-12.00
25	50	06/88 RFD	ID (general)	S/N	12.31	HTS-S	-16.50
25	101	06/88 RFD	ID (general)	S/N	2.38	HTS-S	- 1.50
25	103	06/88 RFD	ID (general)	S/N	2.28	CTS-P	+ 1.10
26	18	06/88 RFD	ID (general)	S/N	1.43	HTS-S	-15.00
26	19	06/88 RFD	ID (general)	S/N	1.41	HTS-S	- 2.50
26	48	06/88 RFD	ID (general)	S/N	1.14	HTS-S	-12.40
26	49	06/88 RFD	ID (general)	S/N	0.94	HTS-S	-13.10
		06/88 RFD	ID (general)	S/N	1.24	HTS-S	-15.00
26	51	06/88 RFD	ID (general)	S/N	7.29	HTS-S	-18.60
26	55	06/88 RFD	ID (general)	S/N	1.34	HTS-S	- 7.70
27	19	06/88 RFD	OD (general)	S/N	4.00	HTS-P	+16.70
27	39	06/88 RFD	ID (general)	S/N	8.67	HTS-P	+ 1.20
27	40	06/88 RFD	ID (general)	S/N	1.76	HTS-S	- 0.90
		06/88 RFD	8x1	35 % TW	6.37	HTS-S	- 1.00
27	49	06/88 RFD	ID (general)	S/N	5.06	HTS-S	- 4.20
27	54	06/88 RFD	ID (general)	S/N	0.98	HTS-S	- 3.60
27	61	06/88 RFD	ID (general)	S/N	10.14	HTS-S	-11.70
27	106	06/88 RFD	OD (general)	S/N	0.58	AVB1	
28	49	06/88 RFD	ID (general)	S/N	8.29	HTS-S	- 2.20
		06/88 RFD	8x1	33 % TW	5.83	HTS-S	- 2.20
28	78	06/88 RFD	ID (general)	S/N	4.32	HTS-S	-15.10
30	54	06/88 RFD	ID (general)	S/N	4.80	HTS-S	-15.90
30	63	06/88 RFD	ID (general)	S/N	1.60	HTS-S	- 3.70
30	104	06/88 RFD	ID (general)	S/N	1.95	CTS-S	- 9.10
31	48	06/88 RFD	ID (general)	S/N	1.90	HTS-S	- 2.70
32	35	06/88 RFD	ID (general)	S/N	3.55	HTS-P	+14.90
32	62	06/88 RFD	ID (general)	S/N	3.07	HTS-S	- 5.30
32	64	06/88 RFD	ID (general)	S/N	2.03	HTS-S	- 4.10
32	101	06/88 RFD	ID (general)	S/N	1.12	HTS-P	+19.40
33	45	06/88 RFD	ID (general)	S/N	2.42	HTS-P	+16.00
33	51	06/88 RFD	ID (general)	S/N	0.87	HTS-S	- 9.40
33	54	06/88 RFD	ID (general)	S/N	1.83	HTS-S	-14.70
		06/88 RFD	ID (general)	S/N	3.20	HTS-S	-16.30
33	63	06/88 RFD	ID (general)	S/N	1.36	HTS-S	- 9.90
33	64	06/88 RFD	ID (general)	S/N	0.76	HTS-S	-15.50
		06/88 RFD	ID (general)	S/N	0.86	HTS-S	-16.30
33	76	06/88 RFD	ID (general)	S/N	1.62	HTS-S	-13.00
		06/88 RFD	ID (general)	S/N	1.38	HTS-S	-15.60
33	79	06/88 RFD	ID (general)	S/N	1.18	HTS-S	- 8.00
33	85	06/88 RFD	ID (general)	S/N	1.20	HTS-S	- 8.70
34	54	06/88 RFD	ID (general)	S/N	1.04	HTS-S	-16.60

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: A

QUERY: ATTACHMENT 1 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
34	61	06/88 RFD	ID (general)	S/N	1.28	HTS-S	-10.50
		06/88 RFD	ID (general)	S/N	1.18	HTS-S	-14.30
		06/88 RFD	ID (general)	S/N	1.80	HTS-S	-15.10
35	43	06/88 RFD	ID (general)	S/N	2.89	HTS-P	+16.60
		06/88 RFD	ID (general)	S/N	0.83	HTS-P	+15.70
35	46	06/88 RFD	ID (general)	S/N	2.06	HTS-S	- 4.40
35	48	06/88 RFD	ID (general)	S/N	5.34	HTS-S	- 6.10
35	58	06/88 RFD	ID (general)	S/N	1.46	HTS-S	-11.40
35	74	06/88 RFD	ID (general)	S/N	0.89	HTS-S	- 3.30
36	43	06/88 RFD	ID (general)	S/N	1.59	HTS-P	+17.70
		06/88 RFD	8x1	36 % TW	6.59	HTS-S	- 3.00
36	44	06/88 RFD	ID (general)	S/N	0.86	HTS-P	+14.80
36	45	06/88 RFD	ID (general)	S/N	4.27	HTS-S	- 2.70
		06/88 RFD	8x1	22 % TW	2.61	HTS-S	- 2.80
36	48	06/88 RFD	ID (general)	S/N	1.63	HTS-S	- 9.50
36	53	06/88 RFD	ID (general)	S/N	0.94	HTS-S	- 6.00
36	76	06/88 RFD	ID (general)	S/N	1.07	HTS-S	- 9.60
37	49	06/88 RFD	ID (general)	S/N	3.22	HTS-S	- 7.30
37	74	06/88 RFD	ID (general)	S/N	1.17	HTS-S	- 7.10
38	35	06/88 RFD	ID (general)	S/N	5.05	HTS-P	+11.10
38	41	06/88 RFD	ID (general)	S/N	3.73	HTS-P	+ 2.10
38	51	06/88 RFD	ID (general)	S/N	0.95	HTS-S	- 6.80
38	79	06/88 RFD	ID (general)	S/N	1.59	HTS-S	-15.30
38	81	06/88 RFD	ID (general)	S/N	2.48	HTS-S	-16.50
38	84	06/88 RFD	ID (general)	S/N	2.17	HTS-P	+ 3.60
39	52	06/88 RFD	ID (general)	S/N	1.15	HTS-S	- 6.80
39	56	06/88 RFD	ID (general)	S/N	2.20	HTS-S	- 4.10
		06/88 RFD	ID (general)	S/N	3.35	HTS-S	-11.40
39	67	06/88 RFD	ID (general)	S/N	1.08	HTS-S	-16.20
39	81	06/88 RFD	ID (general)	S/N	2.83	HTS-S	-14.60
		06/88 RFD	ID (general)	S/N	2.79	HTS-S	-16.50
40	91	06/88 RFD	ID (general)	S/N	3.88	HTS-P	+16.10
41	62	06/88 RFD	ID (general)	S/N	2.36	HTS-S	-13.20
		06/88 RFD	ID (general)	S/N	1.43	HTS-S	-14.40
41	67	06/88 RFD	ID (general)	S/N	2.17	HTS-S	-14.60
41	70	06/88 RFD	ID (general)	S/N	5.28	HTS-S	- 9.20
42	41	06/88 RFD	ID (general)	S/N	5.23	HTS-P	+18.60
		06/88 RFD	8x1	19 % TW	2.08	HTS-S	- 1.70
42	68	06/88 RFD	ID (general)	S/N	10.24	HTS-S	- 8.80
43	49	06/88 RFD	ID (general)	S/N	3.07	HTS-S	-12.20
43	53	06/88 RFD	ID (general)	S/N	2.91	HTS-S	- 6.60
43	62	06/88 RFD	ID (general)	S/N	2.47	HTS-S	- 5.90
43	65	06/88 RFD	ID (general)	S/N	2.06	HTS-S	-13.50
43	68	06/88 RFD	ID (general)	S/N	7.48	HTS-S	- 7.80
44	53	06/88 RFD	ID (general)	S/N	2.93	HTS-S	- 2.30
		06/88 RFD	ID (general)	S/N	2.69	HTS-S	-10.90
		06/88 RFD	ID (general)	S/N	3.13	HTS-S	-11.60
44	75	06/88 RFD	ID (general)	S/N	2.73	HTS-S	-10.80
45	50	06/88 RFD	ID (general)	S/N	2.04	HTS-S	-12.50
45	51	06/88 RFD	ID (general)	S/N	2.20	HTS-S	- 5.80
47	42	06/88 RFD	ID (general)	S/N	0.77	HTS-P	+16.30
47	45	06/88 RFD	ID (general)	S/N	3.52	HTS-S	-14.10
47	65	06/88 RFD	ID (general)	S/N	2.84	HTS-S	- 8.40
48	30	06/88 RFD	ID (general)	S/N	2.86	CTS-S	- 1.10
48	59	06/88 RFD	ID (general)	S/N	4.62	HTS-S	- 1.40
		06/88 RFD	8x1	22 % TW	2.78	HTS-S	- 0.90
48	72	06/88 RFD	ID (general)	S/N	1.45	HTS-S	- 0.90
49	73	06/88 RFD	ID (general)	S/N	3.06	HTS-S	- 3.30

TOTAL TUBES FOUND = 211
TOTAL INDICATIONS FOUND = 259TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4524

8x1 = E360

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 2 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
3	16	06/88 RFD	OD (general)	19 % TW	1.74	10	+ 1.40
3	56	06/88 RFD	ID (general)	S/N	7.30	HTS-P	+11.10
4	16	06/88 RFD	ID (general)	S/N	0.80	HTS-P	+10.30
4	70	06/88 RFD	ID (general)	S/N	4.66	HTS-P	+ 2.60
4	73	06/88 RFD	ID (general)	S/N	4.81	HTS-P	+15.00
4	110	06/88 RFD	ID (general)	S/N	0.89	HTS-P	+14.30
5	1	06/88 RFD	ID (general)	S/N	6.46	HTS-S	- 6.00
5	22	06/88 RFD	ID (general)	S/N	2.14	HTS-P	+ 1.50
5	70	06/88 RFD	ID (general)	S/N	5.65	HTS-P	+ 4.60
		06/88 RFD	8x1	24 % TW	1.87	HTS-P	+ 4.60
6	35	06/88 RFD	ID (general)	S/N	2.58	HTS-P	+19.10
6	38	06/88 RFD	ID (general)	S/N	1.79	HTS-S	- 2.00
6	69	06/88 RFD	ID (general)	S/N	4.14	HTS-P	+ 8.40
6	70	06/88 RFD	ID (general)	S/N	5.56	HTS-P	+ 7.30
7	57	06/88 RFD	ID (general)	S/N	7.15	HTS-P	+17.90
		06/88 RFD	8x1	41 % TW	1.45	HTS-P	+17.90
7	73	06/88 RFD	ID (general)	S/N	3.09	HTS-P	+11.30
7	101	06/88 RFD	ID (general)	S/N	2.60	HTS-P	+1.10
7	110	06/88 RFD	ID (general)	S/N	1.89	HTS-P	+10.00
7	111	06/88 RFD	ID (general)	S/N	5.96	HTS-P	+15.10
8	107	06/88 RFD	ID (general)	S/N	1.07	HTS-P	+ 2.40
9	13	06/88 RFD	ID (general)	S/N	3.00	CTS-P	+20.10
9	79	06/88 RFD	ID (general)	S/N	5.18	HTS-P	+ 2.60
9	104	06/88 RFD	ID (general)	S/N	4.49	HTS-P	+ 4.30
10	5	06/88 RFD	ID (general)	S/N	1.28	HTS-P	+19.80
10	59	06/88 RFD	ID (general)	S/N	11.69	HTS-P	+12.20
10	98	06/88 RFD	OD (general)	S/N	0.49	4	+29.00
11	5	06/88 RFD	ID (general)	S/N	3.06	HTS-S	- 1.00
11	55	06/88 RFD	ID (general)	S/N	6.40	HTS-P	+18.70
		06/88 RFD	8x1	56 % TW	7.83	HTS-P	+18.70
11	58	06/88 RFD	ID (general)	S/N	3.41	HTS-P	+16.10
		06/88 RFD	8x1	24 % TW	1.82	HTS-P	+16.10
11	76	06/88 RFD	ID (general)	S/N	8.46	HTS-P	+15.10
		06/88 RFD	8x1	35 % TW	3.41	HTS-P	+15.10
11	81	06/88 RFD	ID (general)	S/N	4.00	HTS-P	+17.60
		06/88 RFD	8x1	36 % TW	3.92	HTS-P	+17.60
11	92	06/88 RFD	ID (general)	S/N	15.45	HTS-P	+ 1.50
12	15	06/88 RFD	ID (general)	S/N	1.26	HTS-P	+ 9.40
12	16	06/88 RFD	ID (general)	S/N	0.73	HTS-P	+18.20
12	65	06/88 RFD	ID (general)	S/N	5.22	HTS-P	+ 9.10
12	104	06/88 RFD	ID (general)	S/N	1.07	HTS-P	+ 6.40
13	17	06/88 RFD	ID (general)	S/N	1.05	HTS-P	+15.10
13	42	06/88 RFD	ID (general)	S/N	1.67	HTS-S	- 0.90
		06/88 RFD	ID (general)	S/N	2.58	HTS-S	- 3.60
13	65	06/88 RFD	ID (general)	S/N	5.38	HTS-P	+12.10
13	76	06/88 RFD	ID (general)	S/N	7.49	HTS-S	-11.10
14	57	06/88 RFD	ID (general)	S/N	1.87	HTS-P	+17.00
14	98	06/88 RFD	ID (general)	S/N	5.42	HTS-P	+15.10
		06/88 RFD	ID (general)	S/N	10.80	HTS-P	+ 7.30
		06/88 RFD	8x1	20 % TW	2.48	HTS-P	+15.10
14	103	06/88 RFD	ID (general)	S/N	1.20	HTS-P	+ 7.60
14	108	06/88 RFD	ID (general)	S/N	2.10	HTS-P	+ 9.30
15	25	06/88 RFD	ID (general)	S/N	1.24	HTS-P	+17.00
15	57	06/88 RFD	ID (general)	S/N	1.95	HTS-P	+ 1.50
15	64	06/88 RFD	ID (general)	S/N	5.06	HTS-P	+18.40
		06/88 RFD	8x1	24 % TW	1.83	HTS-P	+ 1.50
16	21	06/88 RFD	ID (general)	S/N	1.10	HTS-P	+20.00
		06/88 RFD	8x1	49 % TW	2.11	HTS-P	+19.60
16	26	06/88 RFD	ID (general)	S/N	0.89	HTS-P	+18.20
16	35	06/88 RFD	ID (general)	S/N	0.86	HTS-P	+18.00
		06/88 RFD	8x1	40 % TW	4.11	HTS-P	+18.00
16	59	06/88 RFD	8x1	29 % TW	2.58	HTS-P	+18.00
16	110	06/88 RFD	ID (general)	S/N	1.62	HTS-P	+17.00
17	43	06/88 RFD	ID (general)	S/N	0.79	HTS-S	- 0.90
17	62	06/88 RFD	ID (general)	S/N	1.45	HTS-P	+12.70
18	48	06/88 RFD	ID (general)	S/N	3.75	HTS-S	-14.30
18	82	06/88 RFD	ID (general)	S/N	4.85	HTS-S	- 4.60

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 2 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
18	96	06/88 RFD	ID (general)	S/N	5.63 HTS-P		+10.90
18	103	06/88 RFD	ID (general)	S/N	5.50 HTS-S		- 2.90
18	104	06/88 RFD	ID (general)	S/N	3.05 HTS-P		+14.90
19	12	06/88 RFD	ID (general)	S/N	1.33 HTS-P		+14.20
19	49	06/88 RFD	ID (general)	S/N	2.59 HTS-S		- 7.80
19	85	06/88 RFD	ID (general)	S/N	0.73 HTS-P		+ 3.20
20	9	06/88 RFD	OD (general)	S/N	0.70 HTS-S		+ 3.70
20	19	06/88 RFD	ID (general)	S/N	1.11 HTS-P		+13.30
20	63	06/88 RFD	ID (general)	S/N	1.24 HTS-S		- 1.00
20	65	06/88 RFD	ID (general)	S/N	6.64 HTS-P		+11.00
		06/88 RFD	8x1	31 % TW	2.91 HTS-P		+11.00
20	84	06/88 RFD	8x1	36 % TW	3.57 HTS-S		- 0.80
20	85	06/88 RFD	ID (general)	S/N	1.14 HTS-P		+ 6.10
20	92	06/88 RFD	ID (general)	S/N	1.96 HTS-P		+15.90
20	95	06/88 RFD	ID (general)	S/N	8.97 HTS-P		+ 7.50
21	74	06/88 RFD	ID (general)	S/N	15.14 HTS-P		+16.00
		06/88 RFD	8x1	37 % TW	3.79 HTS-P		+16.00
22	56	06/88 RFD	ID (general)	S/N	1.34 HTS-P		+ 2.50
23	13	06/88 RFD	ID (general)	S/N	1.60 HTS-P		+15.20
23	15	06/88 RFD	ID (general)	S/N	0.72 HTS-P		+13.20
23	16	06/88 RFD	ID (general)	S/N	0.74 HTS-P		+14.20
23	80	06/88 RFD	ID (general)	S/N	9.30 HTS-P		+16.20
		06/88 RFD	8x1	29 % TW	2.52 HTS-P		+16.20
23	92	06/88 RFD	ID (general)	S/N	1.34 HTS-P		+15.90
		06/88 RFD	ID (general)	S/N	7.62 HTS-P		+12.00
24	21	06/88 RFD	ID (general)	S/N	1.07 HTS-S		- 1.40
24	25	06/88 RFD	ID (general)	S/N	1.33 HTS-P		+10.10
24	26	06/88 RFD	ID (general)	S/N	1.17 HTS-P		+12.20
24	29	06/88 RFD	ID (general)	S/N	1.25 HTS-P		+14.00
24	55	06/88 RFD	ID (general)	S/N	1.66 HTS-P		+ 6.20
25	66	06/88 RFD	OD (general)	S/N	8.83 HTS-S		- 0.60
25	73	06/88 RFD	ID (general)	S/N	5.23 HTS-P		+13.20
		06/88 RFD	8x1	36 % TW	3.62 HTS-P		+13.20
26	46	06/88 RFD	ID (general)	S/N	1.09 HTS-P		+14.10
26	77	06/88 RFD	ID (general)	S/N	3.28 HTS-P		+20.40
26	80	06/88 RFD	ID (general)	S/N	7.28 HTS-P		+12.20
		06/88 RFD	ID (general)	S/N	6.28 HTS-P		+10.40
		06/88 RFD	8x1	24 % TW	1.84 HTS-P		+12.20
26	98	06/88 RFD	ID (general)	S/N	1.16 HTS-P		+ 3.40
27	27	06/88 RFD	ID (general)	S/N	2.32 HTS-P		+16.00
27	59	06/88 RFD	ID (general)	S/N	6.43 HTS-P		+ 6.40
27	69	06/88 RFD	ID (general)	S/N	4.69 HTS-P		+ 8.50
		06/88 RFD	ID (general)	S/N	4.52 HTS-P		+ 7.50
		06/88 RFD	8x1	29 % TW	2.51 HTS-P		+ 8.50
27	73	06/88 RFD	ID (general)	S/N	1.56 HTS-S		-17.00
27	93	06/88 RFD	ID (general)	S/N	10.88 HTS-P		+13.30
		06/88 RFD	8x1	27 % TW	2.34 HTS-P		+13.30
27	101	06/88 RFD	ID (general)	S/N	4.30 HTS-P		+15.20
		06/88 RFD	8x1	25 % TW	2.07 HTS-P		+15.20
28	27	06/88 RFD	ID (general)	S/N	2.18 HTS-P		+ 4.40
		06/88 RFD	ID (general)	S/N	1.93 HTS-P		+ 2.50
28	52	06/88 RFD	ID (general)	S/N	0.74 HTS-P		+14.90
28	59	06/88 RFD	ID (general)	S/N	1.25 HTS-P		+ 3.50
29	59	06/88 RFD	ID (general)	S/N	3.13 HTS-P		+ 5.40
30	57	06/88 RFD	ID (general)	S/N	5.87 HTS-P		+13.90
30	69	06/88 RFD	ID (general)	S/N	5.29 HTS-S		-11.90
30	79	06/88 RFD	ID (general)	S/N	3.69 HTS-P		+ 1.50
30	91	06/88 RFD	ID (general)	S/N	3.66 HTS-P		+18.20
		06/88 RFD	ID (general)	S/N	6.31 HTS-P		+ 4.60
30	95	06/88 RFD	ID (general)	S/N	3.34 HTS-P		+16.10
31	91	06/88 RFD	ID (general)	S/N	2.81 HTS-P		+10.40
31	104	06/88 RFD	ID (general)	S/N	3.00 HTS-P		+12.20
32	80	06/88 RFD	ID (general)	S/N	1.58 HTS-P		+11.30
32	95	06/88 RFD	ID (general)	S/N	2.65 HTS-P		+11.30
32	97	06/88 RFD	ID (general)	S/N	4.98 HTS-P		+ 8.40
33	18	06/88 RFD	ID (general)	S/N	0.80 HTS-P		+17.10
33	47	06/88 RFD	ID (general)	S/N	1.47 HTS-P		+ 3.40

Plant: McGuire Unit 2
Outage: 06/88 RFO

Steam Generator: B

QUERY: ATTACHMENT 2 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
33	86	06/88 RFO	ID (general)	S/N	3.10	HTS-P	+11.10
33	88	06/88 RFO	ID (general)	S/N	5.93	HTS-P	+ 4.40
		06/88 RFO	ID (general)	S/N	1.80	HTS-P	+ 2.60
33	90	06/88 RFO	ID (general)	S/N	4.26	HTS-P	+11.20
33	100	06/88 RFO	ID (general)	S/N	2.51	HTS-P	+ 2.50
34	13	06/88 RFO	ID (general)	S/N	3.63	HTS-P	+ 4.30
34	15	06/88 RFO	ID (general)	S/N	1.19	HTS-P	+ 8.00
34	23	06/88 RFO	OD (general)	S/N	0.66	CTS-S	- 0.80
		06/88 RFO	8x1	41 % TW	3.18	CTS-S	- 0.80
34	80	06/88 RFO	ID (general)	S/N	18.74	HTS-P	+ 9.40
		06/88 RFO	8x1	52 % TW	6.93	HTS-P	+ 9.40
34	86	06/88 RFO	ID (general)	S/N	1.16	HTS-P	+ 2.60
34	92	06/88 RFO	ID (general)	S/N	1.95	HTS-P	+ 9.30
		06/88 RFO	ID (general)	S/N	1.17	HTS-P	+ 3.50
35	47	06/88 RFO	ID (general)	S/N	1.25	HTS-P	+ 2.40
35	50	06/88 RFO	ID (general)	S/N	1.17	CTS-S	- 1.00
36	15	06/88 RFO	ID (general)	S/N	1.05	CTS-S	- 0.70
36	26	06/88 RFO	ID (general)	S/N	1.29	HTS-P	+11.30
36	54	06/88 RFO	ID (general)	S/N	2.36	HTS-P	+19.30
36	57	06/88 RFO	ID (general)	S/N	1.21	HTS-P	+17.90
		06/88 RFO	ID (general)	S/N	2.47	HTS-P	+13.00
		06/88 RFO	ID (general)	S/N	1.63	HTS-P	+ 4.50
36	58	06/88 RFO	ID (general)	S/N	6.82	HTS-P	+13.80
		06/88 RFO	ID (general)	S/N	6.80	HTS-P	+ 6.40
36	88	06/88 RFO	ID (general)	S/N	2.62	HTS-P	+12.20
36	89	06/88 RFO	ID (general)	S/N	4.67	HTS-P	+10.20
		06/88 RFO	ID (general)	S/N	5.22	HTS-P	+ 5.50
37	40	06/88 RFO	ID (general)	S/N	1.91	CTS-S	- 0.90
37	93	06/88 RFO	ID (general)	S/N	1.16	HTS-P	+16.20
		06/88 RFO	ID (general)	S/N	3.01	HTS-P	+11.40
37	96	06/88 RFO	ID (general)	S/N	3.31	HTS-P	+ 9.30
38	55	06/88 RFO	ID (general)	S/N	2.57	HTS-P	+ 3.60
38	56	06/88 RFO	ID (general)	S/N	1.56	HTS-P	+ 3.50
39	32	06/88 RFO	ID (general)	S/N	2.83	HTS-S	- 0.80
39	49	06/88 RFO	ID (general)	S/N	1.13	HTS-P	+ 7.30
39	90	06/88 RFO	ID (general)	S/N	3.43	HTS-P	+ 6.40
39	95	06/88 RFO	ID (general)	S/N	1.33	HTS-P	+ 4.70
40	92	06/88 RFO	ID (general)	S/N	2.07	HTS-P	+15.10
41	27	06/88 RFO	ID (general)	S/N	1.34	HTS-P	+13.90
41	37	06/88 RFO	ID (general)	S/N	1.49	HTS-S	- 2.80
41	38	06/88 RFO	8x1	34 % TW	3.35	HTS-S	-10.10
41	83	06/88 RFO	ID (general)	S/N	2.52	HTS-S	-10.10
41	85	06/88 RFO	ID (general)	S/N	1.74	HTS-P	+ 2.30
41	92	06/88 RFO	ID (general)	S/N	3.06	HTS-P	+ 4.40
42	21	06/88 RFO	ID (general)	S/N	2.45	CTS-S	- 1.30
42	31	06/88 RFO	ID (general)	S/N	0.93	HTS-P	+14.10
42	48	06/88 RFO	ID (general)	S/N	1.81	HTS-P	+ 7.40
42	81	06/88 RFO	ID (general)	S/N	6.05	HTS-S	- 1.10
		06/88 RFO	8x1	29 % TW	2.65	HTS-S	- 1.10
42	82	06/88 RFO	ID (general)	S/N	4.29	HTS-P	+ 6.30
43	25	06/88 RFO	ID (general)	S/N	1.00	HTS-P	+19.00
43	37	06/88 RFO	ID (general)	S/N	1.44	HTS-S	- 3.70
43	44	06/88 RFO	ID (general)	S/N	1.29	HTS-S	- 1.90
		06/88 RFO	ID (general)	S/N	1.32	HTS-S	- 2.90
43	48	06/88 RFO	ID (general)	S/N	2.09	HTS-S	- 2.80
43	58	06/88 RFO	ID (general)	S/N	1.83	HTS-P	+13.80
43	61	06/88 RFO	ID (general)	S/N	1.25	HTS-P	+ 9.30
43	71	06/88 RFO	ID (general)	S/N	4.27	HTS-P	+ 9.30
43	85	06/88 RFO	ID (general)	S/N	2.00	HTS-P	+12.00
44	44	06/88 RFO	ID (general)	S/N	1.43	HTS-S	- 3.70
45	57	06/88 RFO	ID (general)	S/N	3.14	HTS-P	+ 5.10
46	50	06/88 RFO	OD WEAR	21 % TW	0.99	17	
48	34	06/88 RFO	ID (general)	S/N	0.84	HTS-S	- 1.80
48	45	06/88 RFO	OD WEAR	29 % TW	1.97	17	
48	61	06/88 RFO	OD WEAR	26 % TW	1.50	20	
48	66	06/88 RFO	OD WEAR	30 % TW	2.06	17	
49	46	06/88 RFO	OD (general)	S/N	0.67	6	- 0.70

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 2 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
49	47	06/88 RFD	ID (general)	S/N	2.05	HTS-P	+ 5.90
49	49	06/88 RFD	OD WEAR	S/N	0.57	17	
49	51	06/88 RFD	OD WEAR	23 % TW	1.18	17	
49	52	06/88 RFD	OD WEAR	S/N	0.75	17	
49	54	06/88 RFD	OD WEAR	S/N	0.69	17	
49	56	06/88 RFD	OD WEAR	S/N	0.55	17	
49	58	06/88 RFD	OD WEAR	21 % TW	0.99	17	
		06/88 RFD	OD (general)	19 % TW	1.17	7	+30.10
49	60	06/88 RFD	OD WEAR	S/N	0.47	17	
49	63	06/88 RFD	OD WEAR	27 % TW	1.67	17	

TOTAL TUBES FOUND = 174
TOTAL INDICATIONS FOUND = 211

TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4518

8X1 = E360

Plant: McGuire UNIT 2
 Outage: 06/88 RFD

Steam Generator: C

QUERY: ATTACHMENT 3 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	5	06/88 RFD	ID (general)	S/N	6.50	HTS-S	- 2.10
2	65	06/88 RFD	ID (general)	S/N	1.54	CTS-P	+ 0.90
2	89	06/88 RFD	ID (general)	S/N	1.52	HTS-S	- 0.40
2	97	06/88 RFD	ID (general)	S/N	4.32	HTS-S	- 9.40
2	107	06/88 RFD	ID (general)	S/N	11.95	HTS-S	-15.30
2	114	06/88 RFD	ID (general)	S/N	2.07	HTS-S	-14.60
3	49	06/88 RFD	ID (general)	S/N	1.83	HTS-S	-14.30
3	56	06/88 RFD	ID (general)	S/N	2.35	HTS-S	- 5.00
3	57	06/88 RFD	ID (general)	S/N	2.39	HTS-S	- 8.20
3	86	06/88 RFD	ID (general)	S/N	1.02	HTS-S	- 7.20
4	41	06/88 RFD	ID (general)	S/N	2.21	HTS-P	+ 9.60
4	54	06/88 RFD	ID (general)	S/N	2.83	HTS-S	-11.30
		06/88 RFD	ID (general)	S/N	2.98	HTS-S	-13.10
4	88	06/88 RFD	ID (general)	S/N	15.23	HTS-S	- 8.50
4	96	06/88 RFD	ID (general)	S/N	1.33	HTS-S	-15.00
		06/88 RFD	ID (general)	S/N	1.01	CTS-S	-13.10
4	97	06/88 RFD	ID (general)	S/N	2.50	HTS-S	- 1.30
5	4	06/88 RFD	ID (general)	S/N	1.65	HTS-S	- 1.50
5	6	06/88 RFD	ID (general)	S/N	3.41	HTS-P	+ 8.60
5	34	06/88 RFD	ID (general)	S/N	1.17	HTS-P	+10.50
5	44	06/88 RFD	ID (general)	S/N	3.60	HTS-S	- 4.20
5	49	06/88 RFD	ID (general)	S/N	3.71	HTS-S	- 8.90
5	66	06/88 RFD	ID (general)	S/N	4.37	HTS-S	- 1.00
5	82	06/88 RFD	ID (general)	S/N	3.92	CTS-P	+19.70
6	10	06/88 RFD	ID (general)	S/N	2.02	HTS-P	+ 4.30
6	38	06/88 RFD	ID (general)	S/N	2.50	HTS-P	+20.00
		06/88 RFD	ID (general)	S/N	2.39	HTS-P	+16.70
		06/88 RFD	8x1	25 % TW	3.02	HTS-S	- 1.20
		06/88 RFD	8x1	35 % TW	5.31	HTS-S	- 4.30
6	51	06/88 RFD	ID (general)	S/N	3.56	HTS-S	-10.20
6	84	06/88 RFD	ID (general)	S/N	1.30	HTS-P	+16.00
6	97	06/88 RFD	ID (general)	S/N	3.39	HTS-S	-12.60
7	30	06/88 RFD	ID (general)	S/N	1.25	CTS-P	+ 2.90
7	59	06/88 RFD	ID (general)	S/N	3.33	HTS-S	- 1.00
7	68	06/88 RFD	ID (general)	S/N	5.81	HTS-S	- 4.60
8	5	06/88 RFD	ID (general)	S/N	2.42	CTS-S	- 1.80
8	11	06/88 RFD	ID (general)	S/N	3.00	HTS-S	-14.00
8	13	06/88 RFD	ID (general)	S/N	1.70	HTS-S	-14.40
8	15	06/88 RFD	ID (general)	S/N	1.87	HTS-S	- 1.90
8	94	06/88 RFD	ID (general)	S/N	2.07	CTS-S	+ 0.30
8	99	06/88 RFD	ID (general)	S/N	3.21	HTS-S	- 1.20
		06/88 RFD	ID (general)	S/N	2.76	HTS-S	- 1.40
		06/88 RFD	ID (general)	S/N	2.38	HTS-S	- 3.40
8	112	06/88 RFD	ID (general)	S/N	1.35	CTS-S	- 4.80
		06/88 RFD	ID (general)	S/N	1.61	CTS-S	- 2.00
		06/88 RFD	ID (general)	S/N	1.30	CTS-S	- 2.90
		06/88 RFD	ID (general)	S/N	1.68	CTS-S	- 1.20
		06/88 RFD	ID (general)	S/N	0.61	CTS-S	- 0.60
9	17	06/88 RFD	ID (general)	S/N	14.76	HTS-S	- 8.10
9	62	06/88 RFD	ID (general)	S/N	2.65	CTS-P	+16.50
9	75	06/88 RFD	ID (general)	S/N	2.69	HTS-P	+11.90
9	113	06/88 RFD	ID (general)	S/N	2.27	CTS-S	-15.50
		06/88 RFD	ID (general)	S/N	1.91	CTS-P	+ 5.40
		06/88 RFD	ID (general)	S/N	3.41	CTS-P	+15.70
		06/88 RFD	ID (general)	S/N	1.72	CTS-P	+19.90
10	20	06/88 RFD	ID (general)	S/N	1.92	HTS-S	- 4.60
10	68	06/88 RFD	ID (general)	S/N	1.25	HTS-P	+ 5.20
10	113	06/88 RFD	ID (general)	S/N	3.95	CTS-S	- 5.40
		06/88 RFD	ID (general)	S/N	1.47	CTS-S	- 3.90
11	43	06/88 RFD	ID (general)	S/N	2.66	HTS-S	- 3.50
11	66	06/88 RFD	ID (general)	S/N	1.10	HTS-P	+ 1.10
		06/88 RFD	ID (general)	S/N	1.04	HTS-P	+ 3.30
		06/88 RFD	ID (general)	S/N	1.09	HTS-P	+ 7.50
		06/88 RFD	ID (general)	S/N	1.21	HTS-P	+12.00
11	68	06/88 RFD	ID (general)	S/N	7.19	HTS-P	+11.00
		06/88 RFD	ID (general)	S/N	8.69	HTS-P	+ 1.30
11	90	06/88 RFD	ID (general)	S/N	4.27	HTS-P	+18.00

Plant: McGuire Unit 2
 Outage: 06/88 RFD

Steam Generator: C

QUERY: ATTACHMENT 3 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
11	99	06/88 RFD	ID (general)	S/N	2.16	HTS-S	- 7.00
12	58	06/88 RFD	ID (general)	S/N	7.09	HTS-S	- 0.90
12	70	06/88 RFD	ID (general)	S/N	1.51	HTS-P	+19.60
12	71	06/88 RFD	ID (general)	S/N	2.97	HTS-S	- 1.30
12	76	06/88 RFD	ID (general)	S/N	0.55	HTS-S	+ 3.70
12	113	06/88 RFD	ID (general)	S/N	1.13	HTS-S	-11.30
13	69	06/88 RFD	ID (general)	S/N	9.18	HTS-S	- 1.20
13	70	06/88 RFD	ID (general)	S/N	1.63	HTS-S	- 1.20
13	76	06/88 RFD	ID (general)	S/N	3.29	HTS-S	-16.90
		06/88 RFD	ID (general)	S/N	1.88	HTS-S	-15.80
		06/88 RFD	ID (general)	S/N	0.96	HTS-S	-14.10
		06/88 RFD	ID (general)	S/N	5.97	HTS-S	- 6.60
13	77	06/88 RFD	ID (general)	S/N	1.58	HTS-P	+ 5.50
13	78	06/88 RFD	ID (general)	S/N	5.12	HTS-S	- 5.40
13	95	06/88 RFD	ID (general)	S/N	2.28	HTS-S	-13.30
		06/88 RFD	ID (general)	S/N	3.98	HTS-S	-13.80
13	100	06/88 RFD	ID (general)	S/N	3.56	HTS-S	- 1.60
13	112	06/88 RFD	ID (general)	S/N	4.44	HTS-P	+2.00
14	51	06/88 RFD	ID (general)	S/N	8.05	HTS-S	- 1.00
		06/88 RFD	ID (general)	S/N	7.33	HTS-S	- 1.90
		06/88 RFD	8x1	39 % TW	6.38	HTS-S	- 2.50
14	71	06/88 RFD	ID (general)	S/N	7.47	HTS-S	- 5.60
14	77	06/88 RFD	ID (general)	S/N	9.00	HTS-S	- 5.60
14	98	06/88 RFD	ID (general)	S/N	0.93	HTS-S	- 0.60
15	77	06/88 RFD	ID (general)	S/N	1.95	HTS-P	+ 8.80
15	90	06/88 RFD	ID (general)	S/N	6.25	HTS-S	-12.60
15	99	06/88 RFD	ID (general)	S/N	0.78	HTS-S	- 1.90
15	111	06/88 RFD	ID (general)	S/N	3.72	HTS-P	+20.20
16	96	06/88 RFD	ID (general)	S/N	1.87	HTS-S	-10.10
		06/88 RFD	ID (general)	S/N	2.41	HTS-S	-12.80
16	97	06/88 RFD	OD (general)	S/N	1.26	HTS-S	- 1.00
		06/88 RFD	OD (general)	S/N	1.97	HTS-S	- 0.80
		06/88 RFD	8x1	22 % TW	2.33	HTS-S	- 1.20
17	35	06/88 RFD	ID (general)	S/N	4.38	HTS-P	+20.20
		06/88 RFD	8x1	62 % TW	8.79	HTS-S	- 1.40
17	99	06/88 RFD	ID (general)	S/N	0.93	HTS-S	- 5.70
18	83	06/88 RFD	ID (general)	S/N	4.20	HTS-S	- 1.00
18	94	06/88 RFD	ID (general)	S/N	1.54	HTS-S	- 0.70
18	95	06/88 RFD	ID (general)	S/N	0.87	HTS-S	- 5.80
		06/88 RFD	ID (general)	S/N	2.12	HTS-S	- 2.10
18	104	06/88 RFD	ID (general)	S/N	1.32	HTS-S	- 0.30
18	106	06/88 RFD	ID (general)	S/N	1.19	HTS-S	- 6.50
19	34	06/88 RFD	ID (general)	S/N	2.98	HTS-P	+18.70
19	70	06/88 RFD	ID (general)	S/N	2.82	HTS-S	-16.50
		06/88 RFD	ID (general)	S/N	1.21	HTS-S	- 7.30
		06/88 RFD	ID (general)	S/N	0.69	CTS-S	- 3.20
19	78	06/88 RFD	ID (general)	S/N	4.02	HTS-S	- 3.60
20	21	06/88 RFD	ID (general)	S/N	1.43	HTS-P	+ 1.10
20	77	06/88 RFD	ID (general)	S/N	2.83	HTS-S	- 1.10
		06/88 RFD	8x1	32 % TW	4.68	HTS-S	- 2.80
21	53	06/88 RFD	ID (general)	S/N	1.76	HTS-P	+16.30
21	78	06/88 RFD	ID (general)	S/N	1.96	HTS-S	- 4.60
21	90	06/88 RFD	ID (general)	S/N	4.21	HTS-S	-15.30
22	88	06/88 RFD	ID (general)	S/N	0.74	HTS-S	- 5.30
23	107	06/88 RFD	ID (general)	S/N	0.86	HTS-S	- 0.60
		06/88 RFD	8x1	26 % TW	3.18	HTS-S	- 1.70
24	81	06/88 RFD	ID (general)	S/N	5.34	HTS-S	-17.30
24	91	06/88 RFD	ID (general)	S/N	2.21	HTS-S	- 2.30
24	103	06/88 RFD	ID (general)	S/N	5.38	HTS-S	-14.30
25	78	06/88 RFD	ID (general)	S/N	2.17	HTS-S	-15.80
25	79	06/88 RFD	ID (general)	S/N	1.92	HTS-S	-15.50
25	107	06/88 RFD	ID (general)	S/N	3.88	HTS-P	+20.10
26	80	06/88 RFD	ID (general)	S/N	4.95	HTS-S	- 9.60
27	8	06/88 RFD	ID (general)	S/N	2.88	CTS-P	+17.10
27	106	06/88 RFD	ID (general)	S/N	4.96	CTS-S	- 1.90
28	105	06/88 RFD	ID (general)	S/N	0.67	HTS-S	- 2.70
29	44	06/88 RFD	ID (general)	S/N	6.97	HTS-P	+ 6.60

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: C

QUERY: ATTACHMENT 3 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	(X 1)	ELEVATION INCHES
29	77	06/88 RFD	ID (general)	S/N	1.47 HTS-S	- 0.70
29	84	06/88 RFD	ID (general)	S/N	2.86 HTS-S	-13.80
30	71	06/88 RFD	ID (general)	S/N	1.11 HTS-P	+13.30
30	74	06/88 RFD	ID (general)	S/N	1.47 HTS-S	-15.30
		06/88 RFD	ID (general)	S/N	1.18 HTS-S	-14.40
30	80	06/88 RFD	ID (general)	S/N	2.60 HTS-S	- 5.40
31	96	06/88 RFD	ID (general)	S/N	0.94 HTS-S	- 0.40
32	15	06/88 RFD	ID (general)	S/N	3.03 HTS-P	+ 3.80
32	78	06/88 RFD	ID (general)	S/N	1.72 HTS-S	-12.40
		06/88 RFD	ID (general)	S/N	2.08 HTS-S	-12.90
32	98	06/88 RFD	ID (general)	S/N	1.90 HTS-S	- 7.60
33	13	06/88 RFD	ID (general)	S/N	2.69 HTS-P	+17.00
33	88	06/88 RFD	ID (general)	S/N	1.77 HTS-S	-15.60
33	95	06/88 RFD	ID (general)	S/N	1.02 HTS-S	-11.90
34	13	06/88 RFD	ID (general)	S/N	2.20 CTS-P	+15.40
34	62	06/88 RFD	ID (general)	S/N	2.72 HTS-S	- 2.20
34	71	06/88 RFD	ID (general)	S/N	2.02 HTS-P	+ 1.10
34	81	06/88 RFD	ID (general)	S/N	1.49 HTS-S	- 0.80
34	95	06/88 RFD	ID (general)	S/N	1.87 HTS-S	- 1.40
35	99	06/88 RFD	ID (general)	S/N	2.09 HTS-S	-14.90
36	15	06/88 RFD	ID (general)	S/N	1.88 HTS-P	+ 5.50
36	95	06/88 RFD	ID (general)	S/N	1.36 HTS-S	- 5.40
38	92	06/88 RFD	ID (general)	S/N	1.65 HTS-S	- 2.20
38	97	06/88 RFD	ID (general)	S/N	3.12 HTS-S	-17.30
		06/88 RFD	ID (general)	S/N	2.17 HTS-S	-16.70
		06/88 RFD	ID (general)	S/N	3.28 HTS-S	-16.20
39	53	06/88 RFD	ID (general)	S/N	0.90 HTS-P	+18.10
40	63	06/88 RFD	ID (general)	S/N	5.68 HTS-P	+ 8.70
41	43	06/88 RFD	ID (general)	S/N	2.54 HTS-S	- 2.10
42	46	06/88 RFD	ID (general)	S/N	2.43 HTS-S	+ 0.30
44	70	06/88 RFD	ID (general)	S/N	0.61 HTS-S	- 0.80
44	77	06/88 RFD	ID (general)	S/N	1.28 HTS-S	- 4.50
44	80	06/88 RFD	ID (general)	S/N	0.65 HTS-S	- 0.70
44	90	06/88 RFD	ID (general)	S/N	2.84 HTS-S	-13.20
44	92	06/88 RFD	ID (general)	S/N	2.98 HTS-S	-18.30
45	73	06/88 RFD	ID (general)	S/N	2.14 HTS-S	- 7.20
46	84	06/88 RFD	ID (general)	S/N	1.39 HTS-P	+ 4.70
48	35	06/88 RFD	ID (general)	S/N	3.19 CTS-S	- 2.80

TOTAL TUBES FOUND = 134

TOTAL INDICATIONS FOUND = 172

TOTAL TUBES IN INPUT FILE = 4674

TOTAL TUBES INSPECTED = 4538

8 X 1 = E 360

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: D

QUERY: ATTACHMENT 4 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
1	9	06/88 RFD	8x1	41 % TW	2.71	HTS-S	- 5.10
		06/88 RFD	8x1	67 % TW	4.95	8	+ 6.70
1	10	06/88 RFD	8x1	49 % TW	4.11	HTS-S	-18.70
		06/88 RFD	8x1	43 % TW	2.00	8	+ 1.60
1	16	06/88 RFD	8x1	21 % TW	2.00	8	+ 1.60
1	20	06/88 RFD	8x1	30 % TW	3.89	8	+ 1.50
1	21	06/88 RFD	8x1	49 % TW	4.12	HTS-S	-12.20
		06/88 RFD	8x1	49 % TW	4.12	HTS-S	-16.10
		06/88 RFD	8x1	48 % TW	2.65	8	+ 1.80
1	22	06/88 RFD	8x1	43 % TW	6.20	8	+ 1.60
1	24	06/88 RFD	8x1	70 % TW	8.20	HTS-S	-17.80
		06/88 RFD	8x1	23 % TW	2.42	8	+ 1.60
1	25	06/88 RFD	8x1	38 % TW	5.24	8	+ 1.70
1	27	06/88 RFD	8x1	55 % TW	5.05	HTS-S	- 0.40
1	29	06/88 RFD	8x1	23 % TW	2.42	8	+ 1.70
1	30	06/88 RFD	8x1	45 % TW	6.77	8	+ 50
1	31	06/88 RFD	8x1	46 % TW	3.50	HTS-S	- 70
		06/88 RFD	8x1	26 % TW	3.02	8	+ 8
1	32	06/88 RFD	8x1	29 % TW	3.56	8	+ 6.00
2	3	06/88 RFD	ID (general)	S/N	4.09	HTS-P	+ 9.00
2	9	06/88 RFD	ID (general)	S/N	4.83	HTS-P	+11.90
2	14	06/88 RFD	ID (general)	S/N	3.69	HTS-S	- 1.30
2	35	06/88 RFD	ID (general)	S/N	1.86	HTS-S	-17.90
2	59	06/88 RFD	ID (general)	S/N	2.47	HTS-S	-16.00
2	99	06/88 RFD	ID (general)	S/N	3.85	HTS-S	-14.20
3	59	06/88 RFD	ID (general)	S/N	4.26	HTS-S	-16.60
3	63	06/88 RFD	ID (general)	S/N	3.87	HTS-P	+17.80
3	70	06/88 RFD	ID (general)	S/N	9.99	HTS-S	-10.50
		06/88 RFD	ID (general)	S/N	2.85	HTS-S	-14.60
4	41	06/88 RFD	ID (general)	S/N	2.92	HTS-S	- 2.20
		06/88 RFD	ID (general)	S/N	1.65	HTS-S	-17.50
		06/88 RFD	8x1	26 % TW	3.29	HTS-S	- 2.10
4	48	06/88 RFD	ID (general)	S/N	3.18	HTS-S	- 6.90
4	70	06/88 RFD	ID (general)	S/N	4.29	HTS-P	+14.10
4	94	06/88 RFD	ID (general)	S/N	2.32	HTS-S	- 1.20
		06/88 RFD	ID (general)	S/N	6.22	HTS-S	- 5.50
		06/88 RFD	ID (general)	S/N	5.20	HTS-S	- 7.30
		06/88 RFD	8x1	39 % TW	6.37	HTS-S	- 5.90
5	37	06/88 RFD	ID (general)	S/N	14.89	HTS-S	-15.50
5	40	06/88 RFD	ID (general)	S/N	3.40	HTS-S	- 9.30
		06/88 RFD	ID (general)	S/N	3.10	HTS-S	-11.50
5	100	06/88 RFD	ID (general)	S/N	10.29	HTS-S	-18.10
5	101	06/88 RFD	ID (general)	S/N	7.02	HTS-S	- 3.00
		06/88 RFD	8x1	25 % TW	2.98	HTS-S	- 2.80
5	111	06/88 RFD	ID (general)	S/N	3.67	HTS-P	+19.20
		06/88 RFD	8x1	32 % TW	2.77	HTS-S	- 2.10
5	112	06/88 RFD	ID (general)	S/N	1.55	HTS-P	+ 9.00
6	69	06/88 RFD	ID (general)	S/N	8.53	HTS-S	-14.60
6	70	06/88 RFD	ID (general)	S/N	8.24	HTS-S	- 1.00
		06/88 RFD	8x1	19 % TW	1.70	HTS-S	- 0.80
7	13	06/88 RFD	ID (general)	S/N	4.27	HTS-S	- 5.10
7	28	06/88 RFD	ID (general)	S/N	1.76	HTS-S	-12.90
7	33	06/88 RFD	ID (general)	S/N	2.35	HTS-S	-17.20
7	42	06/88 RFD	ID (general)	S/N	2.12	HTS-S	-17.10
7	70	06/88 RFD	ID (general)	S/N	13.13	HTS-S	- 6.40
7	71	06/88 RFD	ID (general)	S/N	1.39	HTS-S	-15.90
7	75	06/88 RFD	ID (general)	S/N	1.63	HTS-S	- 9.00
		06/88 RFD	ID (general)	S/N	1.66	HTS-S	-11.50
7	81	06/88 RFD	ID (general)	S/N	17.26	HTS-S	-15.70
7	92	06/88 RFD	ID (general)	S/N	2.64	HTS-S	-16.60
8	26	06/88 RFD	ID (general)	S/N	4.44	HTS-S	- 5.30
8	36	06/88 RFD	ID (general)	S/N	7.55	HTS-S	- 0.90
		06/88 RFD	ID (general)	S/N	17.40	HTS-S	- 3.90
		06/88 RFD	8x1	20 % TW	1.87	HTS-S	- 1.90
8	39	06/88 RFD	ID (general)	S/N	5.58	HTS-S	-16.40
8	44	06/88 RFD	ID (general)	S/N	6.95	HTS-S	-17.40
8	64	06/88 RFD	ID (general)	S/N	6.63	HTS-S	- 3.20

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: D

QUERY: ATTACHMENT 4 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
8	70	06/88 RFD	ID (general)	S/N	8.41	HTS-S	- 6.40
8	75	06/88 RFD	ID (general)	S/N	1.91	HTS-S	-10.00
8	83	06/88 RFD	ID (general)	S/N	1.72	HTS-S	-14.70
8	107	06/88 RFD	ID (general)	S/N	0.54	HTS-P	+ 2.50
8	111	06/88 RFD	ID (general)	S/N	3.25	HTS-S	- 4.30
		06/88 RFD	8x1	57 % TW	8.42	HTS-S	- 4.00
9	7	06/88 RFD	ID (general)	S/N	2.20	HTS-S	- 9.90
9	32	06/88 RFD	OD (general)	20 % TW	1.79	22	- 0.70
		06/88 RFD	ID (general)	S/N	4.42	HTS-S	-12.00
		06/88 RFD	OD (general)	19 % TW	1.67	CTS-S	+ 6.90
9	34	06/88 RFD	ID (general)	S/N	1.88	HTS-S	- 3.70
9	35	06/88 RFD	ID (general)	S/N	1.70	HTS-S	- 1.00
9	37	06/88 RFD	ID (general)	S/N	2.41	HTS-S	-15.40
9	61	06/88 RFD	ID (general)	S/N	6.84	HTS-S	- 1.90
		06/88 RFD	8x1	35 % TW	5.35	HTS-S	- 2.00
9	62	06/88 RFD	ID (general)	S/N	6.06	HTS-S	- 1.80
		06/88 RFD	8x1	31 % TW	4.59	HTS-S	- 1.00
9	63	06/88 RFD	ID (general)	S/N	11.00	HTS-S	- 1.00
9	79	06/88 RFD	ID (general)	S/N	2.19	HTS-S	- 0.30
		06/88 RFD	ID (general)	S/N	2.13	HTS-S	- 6.90
9	113	06/88 RFD	ID (general)	S/N	2.66	CTS-S	- 7.80
10	5	06/88 RFD	ID (general)	S/N	9.70	HTS-S	-15.00
10	60	06/88 RFD	ID (general)	S/N	4.39	HTS-P	+19.70
10	64	06/88 RFD	ID (general)	S/N	5.21	HTS-S	- 2.60
10	80	06/88 RFD	ID (general)	S/N	5.31	HTS-S	- 2.90
		06/88 RFD	8x1	36 % TW	5.62	HTS-S	- 3.30
10	82	06/88 RFD	ID (general)	S/N	13.87	HTS-S	- 7.30
10	84	06/88 RFD	ID (general)	S/N	3.41	HTS-P	+ 9.30
		06/88 RFD	ID (general)	S/N	2.36	HTS-S	-10.70
11	59	06/88 RFD	ID (general)	S/N	3.28	HTS-S	- 7.40
11	61	06/88 RFD	ID (general)	S/N	7.08	HTS-S	- 6.40
11	63	06/88 RFD	ID (general)	S/N	6.96	HTS-S	-11.30
11	95	06/88 RFD	ID (general)	S/N	6.98	HTS-S	- 8.40
11	101	06/88 RFD	ID (general)	S/N	6.89	HTS-S	- 3.80
		06/88 RFD	8x1	30 % TW	4.24	HTS-S	- 3.60
12	25	06/88 RFD	ID (general)	S/N	4.76	HTS-S	-17.60
12	52	06/88 RFD	ID (general)	S/N	4.61	HTS-S	- 1.10
12	62	06/88 RFD	ID (general)	S/N	6.62	HTS-S	- 6.30
12	66	06/88 RFD	ID (general)	S/N	3.44	HTS-S	-16.70
12	71	06/88 RFD	ID (general)	S/N	7.26	HTS-S	- 3.60
		06/88 RFD	8x1	32 % TW	4.73	HTS-S	- 4.40
12	79	06/88 RFD	ID (general)	S/N	9.28	HTS-S	-17.90
12	83	06/88 RFD	ID (general)	S/N	2.14	HTS-S	-11.70
		06/88 RFD	ID (general)	S/N	0.98	HTS-S	-12.20
		06/88 RFD	ID (general)	S/N	1.64	HTS-S	-15.40
13	37	06/88 RFD	ID (general)	S/N	4.24	HTS-S	- 1.90
		06/88 RFD	ID (general)	S/N	10.57	HTS-S	- 9.00
		06/88 RFD	ID (general)	S/N	4.49	HTS-S	-12.10
13	40	06/88 RFD	ID (general)	S/N	3.38	HTS-S	- 4.90
13	70	06/88 RFD	ID (general)	S/N	6.52	HTS-S	- 5.10
13	76	06/88 RFD	ID (general)	S/N	2.48	HTS-S	-10.20
13	84	06/88 RFD	ID (general)	S/N	7.98	HTS-S	- 4.10
		06/88 RFD	8x1	18 % TW	1.62	HTS-S	- 1.70
		06/88 RFD	8x1	39 % TW	6.42	HTS-S	- 3.90
14	36	06/88 RFD	ID (general)	S/N	4.35	HTS-S	-16.80
14	46	06/88 RFD	ID (general)	S/N	3.17	HTS-S	-12.80
14	69	06/88 RFD	ID (general)	S/N	2.02	HTS-S	-15.60
14	82	06/88 RFD	ID (general)	S/N	7.09	HTS-S	- 1.20
		06/88 RFD	ID (general)	S/N	5.41	HTS-S	- 4.60
14	89	06/88 RFD	ID (general)	S/N	1.87	HTS-S	-11.00
15	57	06/88 RFD	ID (general)	S/N	2.35	HTS-S	-13.80
15	69	06/88 RFD	ID (general)	S/N	0.54	HTS-S	- 7.10
15	110	06/88 RFD	ID (general)	S/N	1.75	HTS-P	+ 3.40
16	91	06/88 RFD	ID (general)	S/N	2.69	HTS-S	-16.20
16	92	06/88 RFD	OD (general)	S/N	3.57	HTS-S	- 5.30
		06/88 RFD	OD (general)	S/N	7.32	HTS-S	-11.80
		06/88 RFD	OD (general)	S/N	5.94	HTS-S	-18.30

Plant: McGuire Unit 2
Outage: 06/88 RFD

Steam Generator: D

QUERY: ATTACHMENT 4 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
16	104	06/88 RFD	ID (general)	S/N	1.94 HTS-S	-15.00	
16	110	06/88 RFD	ID (general)	S/N	1.73 HTS-P	+ 3.40	
17	58	06/88 RFD	ID (general)	S/N	2.19 HTS-S	- 9.50	
17	91	06/88 RFD	ID (general)	S/N	2.09 HTS-S	-13.30	
17	99	06/88 RFD	ID (general)	S/N	3.07 HTS-S	- 4.00	
		06/88 RFD	ID (general)	S/N	2.44 HTS-S	- 4.20	
		06/88 RFD	8x1	27 % TW	3.64 HTS-S	- 4.20	
19	18	06/88 RFD	ID (general)	S/N	4.60 HTS-S	-13.50	
19	70	06/88 RFD	ID (general)	S/N	3.86 HTS-S	- 4.70	
19	85	06/88 RFD	ID (general)	S/N	1.77 HTS-S	-11.50	
20	30	06/88 RFD	ID (general)	S/N	2.37 HTS-S	-11.40	
20	55	06/88 RFD	ID (general)	S/N	1.50 HTS-S	-16.80	
		06/88 RFD	ID (general)	S/N	1.35 HTS-S	-18.70	
20	57	06/88 RFD	ID (general)	S/N	1.37 HTS-S	-18.30	
		06/88 RFD	ID (general)	S/N	1.62 HTS-S	-16.40	
20	68	06/88 RFD	ID (general)	S/N	1.56 HTS-S	- 6.60	
20	69	06/88 RFD	ID (general)	S/N	1.42 HTS-S	- 5.0	
20	71	06/88 RFD	ID (general)	S/N	1.42 HTS-S	- 10	
20	96	06/88 RFD	ID (general)	S/N	5.42 HTS-P	+15.00	
		06/88 RFD	8x1	23 % TW	2.49 HTS-S	- 4.10	
21	34	06/88 RFD	ID (general)	S/N	5.40 HTS-S	- 8.10	
		06/88 RFD	ID (general)	S/N	2.63 HTS-S	- 9.70	
21	35	06/88 RFD	ID (general)	S/N	2.66 HTS-S	-12.20	
21	56	06/88 RFD	ID (general)	S/N	3.45 HTS-S	-19.90	
		06/88 RFD	8x1	52 % TW	4.56 HTS-P	+ 1.40	
21	101	06/88 RFD	ID (general)	S/N	1.44 HTS-S	- 7.40	
21	102	06/88 RFD	ID (general)	S/N	3.13 HTS-S	- 3.70	
		06/88 RFD	8x1	22 % TW	2.20 HTS-S	- 4.10	
22	97	06/88 RFD	ID (general)	S/N	5.33 HTS-S	- 4.60	
		06/88 RFD	8x1	24 % TW	2.73 HTS-S	- 4.80	
23	37	06/88 RFD	ID (general)	S/N	3.37 HTS-S	-11.40	
23	39	06/88 RFD	ID (general)	S/N	3.51 HTS-S	-11.70	
23	96	06/88 RFD	ID (general)	S/N	5.15 HTS-S	-17.00	
23	104	06/88 RFD	ID (general)	S/N	3.66 HTS-S	-17.90	
23	109	06/88 RFD	ID (general)	S/N	1.56 HTS-S	-17.70	
24	70	06/88 RFD	ID (general)	S/N	4.27 HTS-S	- 4.80	
		06/88 RFD	8x1	29 % TW	4.08 HTS-S	- 4.80	
24	92	06/88 RFD	ID (general)	S/N	3.11 HTS-S	- 2.80	
		06/88 RFD	8x1	12 % TW	1.06 HTS-S	- 2.50	
24	103	06/88 RFD	ID (general)	S/N	5.28 HTS-S	-16.50	
24	105	06/88 RFD	ID (general)	S/N	1.41 HTS-P	+ 3.30	
25	33	06/88 RFD	ID (general)	S/N	4.14 HTS-S	-16.70	
25	102	06/88 RFD	ID (general)	S/N	1.77 HTS-S	-16.50	
25	66	06/88 RFD	ID (general)	S/N	3.29 HTS-S	-17.70	
27	45	06/88 RFD	ID (general)	S/N	6.86 HTS-S	-16.40	
28	35	06/88 RFD	ID (general)	S/N	1.10 HTS-S	-12.00	
		06/88 RFD	ID (general)	S/N	2.79 HTS-S	-15.80	
28	61	06/88 RFD	ID (general)	S/N	1.61 HTS-S	-19.80	
28	103	06/88 RFD	ID (general)	S/N	5.59 HTS-S	- 9.90	
28	104	06/88 RFD	ID (general)	S/N	2.40 HTS-S	- 4.60	
29	34	06/88 RFD	ID (general)	S/N	8.36 HTS-S	- 9.50	
29	103	06/88 RFD	ID (general)	S/N	6.94 HTS-S	- 3.10	
		06/88 RFD	8x1	27 % TW	2.09 HTS-S	- 3.50	
30	54	06/88 RFD	ID (general)	S/N	2.48 HTS-S	-15.90	
30	76	06/88 RFD	ID (general)	S/N	6.70 HTS-P	+16.90	
32	66	06/88 RFD	ID (general)	S/N	3.95 HTS-S	-15.90	
		06/88 RFD	8x1	25 % TW	3.10 HTS-P	+ 2.20	
33	70	06/88 RFD	ID (general)	S/N	3.17 HTS-S	-16.70	
34	70	06/88 RFD	ID (general)	S/N	1.22 HTS-S	-16.50	
35	33	06/88 RFD	ID (general)	S/N	0.83 HTS-P	+ 1.10	
35	42	06/88 RFD	ID (general)	S/N	0.75 HTS-S	- 3.30	
35	71	06/88 RFD	ID (general)	S/N	1.99 HTS-S	-11.70	
37	39	06/88 RFD	ID (general)	S/N	1.30 HTS-S	- 1.00	
37	58	06/88 RFD	ID (general)	S/N	1.69 HTS-S	- 3.20	
38	83	06/88 RFD	ID (general)	S/N	1.87 HTS-S	-14.40	
38	97	06/88 RFD	ID (general)	S/N	9.23 HTS-S	-17.90	
39	38	06/88 RFD	ID (general)	S/N	1.10 HTS-P	+ 1.30	

Plant: McGuire UNIT 2
Outage: 06/88 RFO

Steam Generator: D

QUERY: ATTACHMENT 4 INDICATIONS OF IMPERFECTIONS

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
40	79	06/88 RFO	ID (general)	S/N	2.90	HTS-S	- 4.10
		06/88 RFO	ID (general)	S/N	5.28	HTS-S	- 3.50
		06/88 RFO	8x1	22 % TW	2.34	HTS-S	- 3.80
41	60	06/88 RFO	ID (general)	S/N	2.25	HTS-S	-18.70
42	47	06/88 RFO	ID (general)	S/N	2.35	HTS-S	-20.10
42	49	06/88 RFO	ID (general)	S/N	1.22	HTS-S	- 7.20
42	69	06/88 RFO	ID (general)	S/N	1.47	HTS-S	-18.10
42	71	06/88 RFO	ID (general)	S/N	5.38	HTS-S	- 9.40
42	73	06/88 RFO	ID (general)	S/N	3.72	HTS-S	- 3.80
		06/88 RFO	8x1	29 % TW	4.00	HTS-S	- 3.90
42	91	06/88 RFO	ID (general)	S/N	1.78	HTS-S	-13.60
		06/88 RFO	ID (general)	S/N	2.49	HTS-S	-16.40
42	92	06/88 RFO	ID (general)	S/N	2.41	HTS-S	-14.30
43	60	06/88 RFO	ID (general)	S/N	2.33	HTS-S	-17.70
43	72	06/88 RFO	ID (general)	S/N	2.40	HTS-S	- 7.40
43	80	06/88 RFO	ID (general)	S/N	1.16	HTS-S	- 7.30
		06/88 RFO	ID (general)	S/N	2.05	HTS-S	- 20
		06/88 RFO	ID (general)	S/N	2.06	HTS-S	- 30
43	92	06/88 RFO	ID (general)	S/N	2.31	HTS-S	-11.60
43	93	06/88 RFO	ID (general)	S/N	2.26	HTS-S	- 8.90
		06/88 RFO	ID (general)	S/N	2.06	HTS-S	-11.40
		06/88 RFO	ID (general)	S/N	2.24	HTS-S	-15.80
44	87	06/88 RFO	ID (general)	S/N	3.74	HTS-S	- 9.90
		06/88 RFO	ID (general)	S/N	2.31	HTS-S	-14.10
45	48	06/88 RFO	ID (general)	S/N	2.49	HTS-S	-14.80
45	59	06/88 RFO	OD (general)	21 % TW	1.33	16	
45	71	06/88 RFO	ID (general)	S/N	2.40	CTS-S	-14.00
46	53	06/88 RFO	ID (general)	S/N	1.94	HTS-S	- 3.10
46	60	06/88 RFO	ID (general)	S/N	0.96	HTS-S	-13.30
		06/88 RFO	ID (general)	S/N	1.96	HTS-S	-13.90
47	31	06/88 RFO	ID (general)	S/N	1.53	HTS-P	+ 1.50
47	50	06/88 RFO	OD WEAR	17 % TW	1.01	17	
47	51	06/88 RFO	OD WEAR	21 % TW	1.32	17	
47	57	06/88 RFO	ID (general)	S/N	4.49	HTS-S	- 4.20
		06/88 RFO	ID (general)	S/N	4.37	HTS-S	- 3.60
48	29	06/88 RFO	ID (general)	S/N	3.64	HTS-S	- 8.20
48	40	06/88 RFO	OD WEAR	24 % TW	1.67	18	
48	62	06/88 RFO	OD WEAR	24 % TW	1.63	17	
		06/88 RFO	OD (general)	S/N	0.39	AVB1	
		06/88 RFO	OD WEAR	30 % TW	3.11	17	- 0.60
48	64	06/88 RFO	OD WEAR	18 % TW	1.08	18	
		06/88 RFO	OD WEAR	26 % TW	1.61	17	
49	83	06/88 RFO	ID (general)	S/N	4.14	CTS-S	-14.80
		06/88 RFO	ID (general)	S/N	1.90	CTS-S	-14.10
		06/88 RFO	ID (general)	S/N	1.75	CTS-S	-13.10
		06/88 RFO	ID (general)	S/N	2.33	CTS-S	-12.10

TOTAL TUBES FOUND = 178
TOTAL INDICATIONS FOUND = 247

TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4548

8X1 = E360

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: A

QUERY: ATTACHMENT 5 TUBES PLUGGED

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	65	06/88 RFD	PLUGGED	MECH		CTS-P	
3	112	06/88 RFD	PLUGGED	MECH		CTS-P	
5	114	06/88 RFD	PLUGGED	MECH		CTS-P	
6	35	06/88 RFD	PLUGGED	MECH		CTS-P	
6	105	06/88 RFD	PLUGGED	MECH		CTS-P	
6	107	06/88 RFD	PLUGGED	MECH		CTS-P	
6	113	06/88 RFD	PLUGGED	MECH		CTS-P	
7	21	06/88 RFD	PLUGGED	MECH		CTS-P	
7	112	06/88 RFD	PLUGGED	MECH		CTS-P	
9	12	06/88 RFD	PLUGGED	MECH		CTS-P	
9	14	06/88 RFD	PLUGGED	MECH		CTS-P	
9	16	06/88 RFD	PLUGGED	MECH		CTS-P	
9	93	06/88 RFD	PLUGGED	MECH		CTS-P	
10	97	06/88 RFD	PLUGGED	MECH		CTS-P	
11	12	06/88 RFD	PLUGGED	MECH		CTS-P	
11	78	06/88 RFD	PLUGGED	MECH		CTS-P	
12	4	06/88 RFD	PLUGGED	MECH		CTS-P	
12	81	06/88 RFD	PLUGGED	MECH		CTS-P	
15	109	06/88 RFD	PLUGGED	MECH		CTS-P	
16	23	06/88 RFD	PLUGGED	MECH		CTS-P	
17	53	06/88 RFD	PLUGGED	MECH		CTS-P	
21	51	06/88 RFD	PLUGGED	MECH		CTS-P	
22	19	06/88 RFD	PLUGGED	MECH		CTS-P	
25	101	06/88 RFD	PLUGGED	MECH		CTS-P	
25	103	06/88 RFD	PLUGGED	MECH		CTS-P	
26	19	06/88 RFD	PLUGGED	MECH		CTS-P	
26	56	06/88 RFD	PLUGGED	MECH		CTS-P	
27	40	06/88 RFD	PLUGGED	MECH		CTS-P	
28	49	06/88 RFD	PLUGGED	MECH		CTS-P	
31	48	06/88 RFD	PLUGGED	MECH		CTS-P	
32	62	06/88 RFD	PLUGGED	MECH		CTS-P	
32	101	06/88 RFD	PLUGGED	MECH		CTS-P	
36	43	06/88 RFD	PLUGGED	MECH		CTS-P	
36	45	06/88 RFD	PLUGGED	MECH		CTS-P	
38	38	06/88 RFD	PLUGGED	MECH		CTS-P	
42	41	06/88 RFD	PLUGGED	MECH		CTS-P	
44	53	06/88 RFD	PLUGGED	MECH		CTS-P	
48	30	06/88 RFD	PLUGGED	MECH		CTS-P	
48	69	06/88 RFD	PLUGGED	MECH		CTS-P	
48	72	06/88 RFD	PLUGGED	MECH		CTS-P	
49	37	06/88 RFD	PLUGGED	MECH		CTS-P	

TOTAL TUBES FOUND = 41
TOTAL INDICATIONS FOUND = 41

TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4524

Plant: McGUIRE UNIT 2
Outage: 06/88 RFD

Steam Generator: B

QUERY: ATTACHMENT 6 TUBES PLUGGED

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
6	35	06/88 RFD	PLUGGED	MECH		CTS-P	
7	57	06/88 RFD	PLUGGED	MECH		CTS-P	
9	13	06/88 RFD	PLUGGED	MECH		CTS-P	
10	5	06/88 RFD	PLUGGED	MECH		CTS-P	
11	5	06/88 RFD	PLUGGED	MECH		CTS-P	
11	55	06/88 RFD	PLUGGED	MECH		CTS-P	
13	42	06/88 RFD	PLUGGED	MECH		CTS-P	
15	25	06/88 RFD	PLUGGED	MECH		CTS-P	
16	21	06/88 RFD	PLUGGED	MECH		CTS-P	
17	43	06/88 RFD	PLUGGED	MECH		CTS-P	
20	63	06/88 RFD	PLUGGED	MECH		CTS-P	
20	84	06/88 RFD	PLUGGED	MECH		CTS-P	
24	21	06/88 RFD	PLUGGED	MECH		CTS-P	
25	66	06/88 RFD	PLUGGED	MECH		CTS-P	
26	19	06/88 RFD	PLUGGED	MECH		CTS-P	
26	77	06/88 RFD	PLUGGED	MECH		CTS-P	
28	73	06/88 RFD	PLUGGED	MECH		CTS-P	
31	100	06/88 RFD	PLUGGED	MECH		CTS-P	
32	92	06/88 RFD	PLUGGED	MECH		CTS-P	
34	23	06/88 RFD	PLUGGED	MECH		CTS-P	
34	92	06/88 RFD	PLUGGED	MECH		CTS-P	
34	93	06/88 RFD	PLUGGED	MECH		CTS-P	
35	50	06/88 RFD	PLUGGED	MECH		CTS-P	
36	15	06/88 RFD	PLUGGED	MECH		CTS-P	
36	54	06/88 RFD	PLUGGED	MECH		CTS-P	
37	40	06/88 RFD	PLUGGED	MECH		CTS-P	
39	32	06/88 RFD	PLUGGED	MECH		CTS-P	
41	37	06/88 RFD	PLUGGED	MECH		CTS-P	
41	93	06/88 RFD	PLUGGED	MECH		CTS-P	
42	21	06/88 RFD	PLUGGED	MECH		CTS-P	
42	81	06/88 RFD	PLUGGED	MECH		CTS-P	
43	25	06/88 RFD	PLUGGED	MECH		CTS-P	
43	44	06/88 RFD	PLUGGED	MECH		CTS-P	
48	34	06/88 RFD	PLUGGED	MECH		CTS-P	
48	70	06/88 RFD	PLUGGED	MECH		CTS-P	

TOTAL TUBES FOUND = 35
TOTAL INDICATIONS FOUND = 35

TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4518

Plant: McGuire Unit 2
Outage: 06/88 RFO

Steam Generator: C

QUERY: ATTACHMENT 7 TUBES PLUGGED

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
2	5	06/88 RFO	PLUGGED	MECH		HTS-P	
2	89	06/88 RFO	PLUGGED	MECH		HTS-P	
4	97	06/88 RFO	PLUGGED	MECH		HTS-P	
5	34	06/88 RFO	PLUGGED	MECH		HTS-P	
5	66	06/88 RFO	PLUGGED	MECH		HTS-P	
5	82	06/88 RFO	PLUGGED	MECH		HTS-P	
6	38	06/88 RFO	PLUGGED	MECH		HTS-P	
7	59	06/88 RFO	PLUGGED	MECH		HTS-P	
8	5	06/88 RFO	PLUGGED	MECH		HTS-P	
8	15	06/88 RFO	PLUGGED	MECH		HTS-P	
8	94	06/88 RFO	PLUGGED	MECH		HTS-P	
8	99	06/88 RFO	PLUGGED	MECH		HTS-P	
8	112	06/88 RFO	PLUGGED	MECH		HTS-P	
9	113	06/88 RFO	PLUGGED	MECH		HTS-P	
11	43	06/88 RFO	PLUGGED	MECH		HTS-P	
11	90	06/88 RFO	PLUGGED	MECH		HTS-P	
11	99	06/88 RFO	PLUGGED	MECH		HTS-P	
12	58	06/88 RFO	PLUGGED	MECH		HTS-P	
12	70	06/88 RFO	PLUGGED	MECH		HTS-P	
12	71	06/88 RFO	PLUGGED	MECH		HTS-P	
13	69	06/88 RFO	PLUGGED	MECH		HTS-P	
13	70	06/88 RFO	PLUGGED	MECH		HTS-P	
13	78	06/88 RFO	PLUGGED	MECH		HTS-P	
13	100	06/88 RFO	PLUGGED	MECH		HTS-P	
13	112	06/88 RFO	PLUGGED	MECH		HTS-P	
14	51	06/88 RFO	PLUGGED	MECH		HTS-P	
14	98	06/88 RFO	PLUGGED	MECH		HTS-P	
15	99	06/88 RFO	PLUGGED	MECH		HTS-P	
15	111	06/88 RFO	PLUGGED	MECH		HTS-P	
16	97	06/88 RFO	PLUGGED	MECH		HTS-P	
17	35	06/88 RFO	PLUGGED	MECH		HTS-P	
18	83	06/88 RFO	PLUGGED	MECH		HTS-P	
18	94	06/88 RFO	PLUGGED	MECH		HTS-P	
18	95	06/88 RFO	PLUGGED	MECH		HTS-P	
18	104	06/88 RFO	PLUGGED	MECH		HTS-P	
19	34	06/88 RFO	PLUGGED	MECH		HTS-P	
19	70	06/88 RFO	PLUGGED	MECH		HTS-P	
20	77	06/88 RFO	PLUGGED	MECH		HTS-P	
21	78	06/88 RFO	PLUGGED	MECH		HTS-P	
23	107	06/88 RFO	PLUGGED	MECH		HTS-P	
24	91	06/88 RFO	PLUGGED	MECH		HTS-P	
25	107	06/88 RFO	PLUGGED	MECH		HTS-P	
27	106	06/88 RFO	PLUGGED	MECH		HTS-P	
28	105	06/88 RFO	PLUGGED	MECH		HTS-P	
29	77	06/88 RFO	PLUGGED	MECH		HTS-P	
31	96	06/88 RFO	PLUGGED	MECH		HTS-P	
34	81	06/88 RFO	PLUGGED	MECH		HTS-P	
38	92	06/88 RFO	PLUGGED	MECH		HTS-P	
39	53	06/88 RFO	PLUGGED	MECH		HTS-P	
44	70	06/88 RFO	PLUGGED	MECH		HTS-P	
44	80	06/88 RFO	PLUGGED	MECH		HTS-P	
48	54	06/88 RFO	PLUGGED	MECH		HTS-P	

TOTAL TUBES FOUND = 52
TOTAL INDICATIONS FOUND = 52TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4538

Plant: McGuire UNIT 2
Outage: 06/88 RFD

Steam Generator: D

QUERY: ATTACHMENT 8 TUBES PLUGGED

ROW	COL	OUTAGE	INDICATION	VALUE	VOLTS	ELEVATION	INCHES
1	9	06/88 RFD	PLUGGED	MECH		HTS-P	
1	10	06/88 RFD	PLUGGED	MECH		HTS-P	
1	16	06/88 RFD	PLUGGED	MECH		HTS-P	
1	20	06/88 RFD	PLUGGED	MECH		HTS-P	
1	21	06/88 RFD	PLUGGED	MECH		HTS-P	
1	22	06/88 RFD	PLUGGED	MECH		HTS-P	
1	24	06/88 RFD	PLUGGED	MECH		HTS-P	
1	25	06/88 RFD	PLUGGED	MECH		HTS-P	
1	27	06/88 RFD	PLUGGED	MECH		HTS-P	
1	29	06/88 RFD	PLUGGED	MECH		HTS-P	
1	30	06/88 RFD	PLUGGED	MECH		HTS-P	
1	31	06/88 RFD	PLUGGED	MECH		HTS-P	
1	32	06/88 RFD	PLUGGED	MECH		HTS-P	
2	14	06/88 RFD	PLUGGED	MECH		HTS-P	
3	63	05/88 RFD	PLUGGED	MECH		HTS-P	
4	41	06/88 RFD	PLUGGED	MECH		HTS-P	
4	94	06/88 RFD	PLUGGED	MECH		HTS-P	
5	101	06/88 RFD	PLUGGED	MECH		HTS-P	
5	111	06/88 RFD	PLUGGED	MECH		HTS-P	
6	70	06/88 RFD	PLUGGED	MECH		HTS-P	
		06/88 RFD	PLUGGED	MECH		HTS-P	
8	36	06/88 RFD	PLUGGED	MECH		HTS-P	
8	64	06/88 RFD	PLUGGED	MECH		HTS-P	
9	35	06/88 RFD	PLUGGED	MECH		HTS-P	
9	61	06/88 RFD	PLUGGED	MECH		HTS-P	
9	63	06/88 RFD	PLUGGED	MECH		HTS-P	
10	60	06/88 RFD	PLUGGED	MECH		HTS-P	
10	64	06/88 RFD	PLUGGED	MECH		HTS-P	
10	80	06/88 RFD	PLUGGED	MECH		HTS-P	
12	52	06/88 RFD	PLUGGED	MECH		HTS-P	
12	79	06/88 RFD	PLUGGED	MECH		HTS-P	
13	37	06/88 RFD	PLUGGED	MECH		HTS-P	
13	84	06/88 RFD	PLUGGED	MECH		HTS-P	
14	82	06/88 RFD	PLUGGED	MECH		HTS-P	
19	85	06/88 RFD	PLUGGED	MECH		HTS-P	
20	96	06/88 RFD	PLUGGED	MECH		HTS-P	
24	92	06/88 RFD	PLUGGED	MECH		HTS-P	
37	39	06/88 RFD	PLUGGED	MECH		HTS-P	

TOTAL TUBES FOUND = 37
TOTAL INDICATIONS FOUND = 38

TOTAL TUBES IN INPUT FILE = 4674
TOTAL TUBES INSPECTED = 4548