

TMI DOCUMENTS

DOCUMENT NO: TM-0262

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METROPOLITAN EDISON COMPANY.

W.R.M.
Wilda R. Mullinix, NRC

7906150345

218 174

Misc Removed

From Computer

output

3/30/79

1330

218 175

2:59:35	CONT	2371	RCP 1A FULL SPEED		NORM
0:00:09	NORM	1159	BACKGROUND 5-H	(NANOAMPS)	- 18.5
0:01:00	BAD	1159	BACKGROUND 5-H	(NANOAMPS)	-???.?

00:02:09	NORM	1159	BACKGROUND 5-H	(NANOAMPS)	- 20.0
00:03:13	BAD	1197	FLUX 9-N LEVEL 6	(NANOAMPS)	-???.?
00:10:44	ALARM		PRINTER RETURN-TO-NORMAL		
00:10:50	ALARM		PRINTER UNAVAILABLE		
00:03:28	BAD	1348	FLUX 4-E LEVEL 5	(NANOAMPS)	-???.?
00:04:09	BAD	1159	BACKGROUND 5-H	(NANOAMPS)	-???.?
00:04:15	NORM	1197	FLUX 9-N LEVEL 6	(NANOAMPS)	- 19.
00:04:22	BAD	1282	FLUX 11-E LEVEL 3	(NANOAMPS)	-???.?
00:05:22	NORM	1282	FLUX 11-E LEVEL 3	(NANOAMPS)	- 10.
00:07:28	NORM	1348	FLUX 4-E LEVEL 5	(NANOAMPS)	- 20.
00:09:03	BAD	1093	FLUX 9-H LEVEL 6	(NANOAMPS)	-???.?
00:09:09	NORM	1159	BACKGROUND 5-H	(NANOAMPS)	- 18.5
00:09:22	BAD	1282	FLUX 11-E LEVEL 3	(NANOAMPS)	-???.?
00:10:09	BAD	1159	BACKGROUND 5-H	(NANOAMPS)	-???.?
00:12:51	ALARM		PRINTER UNAVAILABLE		
00:10:18	NORM	1243	FLUX 13-H LEVEL 4	(NANOAMPS)	- 9.

POOR ORIGINAL

218 176

GROUP TREND

OPERATOR GROUP B

	0527	0526	0525	0524	0523	0522	0520	0519	0518	0517	0516	0515	0514	0513	0512
1	282.1	283.4	284.5	287.6	282.1	287.9	287.9	610.2	394.4	339.3	295.7	285.3	327.1	282.1	302.4

R SPECIAL SUMMARY A

C PRESSURIZER SPRAY LINE TEMP	250.8
C PUMP 2B SEAL WTR TEMP	107.9
C PUMP 1B SEAL WTR TEMP	107.9
C PUMP 2A SEAL WTR TEMP	107.5
C PUMP 1A SEAL WTR TEMP	90.6
VL RC PRESSURIZER LVL (INCHES)	328.0
1 INCORE T/C 5-K TEMP	286.6
C LOOP B INLET TEMP WIDE 2	275.5
P STA GEN 3 STA PRESS	24.
P STA GEN 1 STA PRESS	30.
CAT STEAM SATURATION TEMP	534.6
ORCR HEAT/COOL RATE (DECF/HR)	4
C PRESSURIZER SURGE LINE TEMP	265.3
C LOOP A WIDE RANGE PRESS	1025.
C LOOP A INLET TEMP WIDE 2	275.5
C PRESSURIZER TEMP	551.3

GROUP TREND

OPERATOR GROUP B

	0527	0526	0525	0524	0523	0522	0520	0519	0518	0517	0516	0515	0514	0513	0512
1	282.5	283.4	284.3	287.6	281.9	287.1	287.9	611.5	330.6	337.8	297.2	286.1	326.4	283.2	303.0

R SPECIAL SUMMARY B

1A INCORE T/C 3-F TEMP	281.9
1A INCORE T/C 4-E TEMP	283.5
1A INCORE T/C 5-D TEMP	284.1
1A INCORE T/C 6-C TEMP	287.5
1A INCORE T/C 7-B TEMP	282.1
1A INCORE T/C 8-B TEMP	287.9
1A INCORE T/C 10-C TEMP	287.9
1A INCORE T/C 10-D TEMP	610.3
1A INCORE T/C 11-E TEMP	376.7
1A INCORE T/C 11-G TEMP	341.1
1A INCORE T/C 12-F TEMP	296.2
1A INCORE T/C 13-F TEMP	286.2
1A INCORE T/C 13-G TEMP	326.2
1A INCORE T/C 13-H TEMP	282.3
1A INCORE T/C 12-K TEMP	302.1
1A INCORE T/C 11-K TEMP	580.8
1A INCORE T/C 11-L TEMP	277.9
1A INCORE T/C 10-H TEMP	342.4
1A INCORE T/C 9-H TEMP	347.5
1A INCORE T/C 8-H TEMP	283.2
1A INCORE T/C 8-N TEMP	374.9
1A INCORE T/C 7-M TEMP	200.6
1A INCORE T/C 5-K TEMP	286.5
1A INCORE T/C 5-N TEMP	321.3
1A INCORE T/C 5-G TEMP	331.5
1A INCORE T/C 6-B TEMP	336.2
1A INCORE T/C 7-F TEMP	320.4
1A INCORE T/C 3-E TEMP	572.0
1A INCORE T/C 8-F TEMP	241.0
1A INCORE T/C 9-G TEMP	449.1
1A INCORE T/C 3-H TEMP	332.9
1A INCORE T/C 6-H TEMP	222.7

POOR ORIGINAL

218 177

0400	IM INCORE T/C	7-F TEMP	320.6
0407	IM INCORE T/C	7-E TEMP	577.0
0416	IM INCORE T/C	8-F TEMP	241.0
0405	IM INCORE T/C	9-G TEMP	443.1
0406	IM INCORE T/C	9-H TEMP	332.9
0403	IM INCORE T/C	8-H TEMP	-202.2

00:30:47 ALARM PRINTER UNAVAILABLE

00:29:22	NORM	1282	FLUX 11-E LEVEL 3 (NAN/DAMPS)	- 2.
00:30:09	BAD	0518	IM INCORE T/C 11-E TEMP	-???.?
00:33:10	NORM	1159	BACKGROUND 5-H (NAN/DAMPS)	- 10.5
00:34:02	NORM	1089	FLUX 9-H LEVEL 2 (NAN/DAMPS)	- 3.
00:34:22	BAD	1282	FLUX 11-E LEVEL 3 (NAN/DAMPS)	-???.?
00:35:22	NORM	1282	FLUX 11-E LEVEL 3 (NAN/DAMPS)	31.
00:35:39	NORM	0518	IM INCORE T/C 11-E TEMP	310.0
00:36:03	BAD	1089	FLUX 9-H LEVEL 2 (NAN/DAMPS)	-???.?
00:36:10	BAD	1159	BACKGROUND 5-H (NAN/DAMPS)	-???.?
00:38:59	DATA	0753	CNTRL ROD 2-F PCT WITHDRAWN	.1
GROUP 13				
00:40:23				
03/30/73				

OPERATOR SPECIAL SOFTWARE C

0401	RC PRESSURIZER SURGE LINE TEMP	263.6
0394	RC LOOP A INLET TEMP WIDE 2	275.3
0398	RC LOOP A WIDE RANGE PRESS	1029.
0525	IM INCORE T/C 5-D TEMP	234.8
0501	IM INCORE T/C 5-G TEMP	331.8
0503	IM INCORE T/C 9-H TEMP	308.2
0511	IM INCORE T/C 11-K TEMP	565.4
0513	IM INCORE T/C 11-E TEMP	-???.?
0517	IM INCORE T/C 10-D TEMP	610.3
0523	IM INCORE T/C 7-D TEMP	282.1
0530	IM INCORE T/C 2-L TEMP	232.1

00:41:58	DATA	0394	RC LOOP A INLET TEMP WIDE 2	275.2
00:43:57 ANNUNCIATOR GROUP VALUE REVIEW				

REACTOR COOLANT SYSTEM

0207	RC DRAIN TANK LEVEL (INCHES)	69.99
0396	RC PRESSURIZER WTR LV. 1 (OP)	153.3
0397	RC PRESSURIZER WTR LV. 2 (OP)	150.8
0398	RC PRESSURIZER WTR LVL 3 (OP)	152.3
0399	RC PRESSURIZER TEMP	552.7
0390	RC LOOP A OUTLET TEMP	-???.?
0391	RC LOOP B OUTLET TEMP	-???.?
0392	RC LOOP A INLET TEMP NARROW 1	-???.?
0393	RC LOOP A INLET TEMP NARROW 2	-???.?
0394	RC LOOP A INLET TEMP WIDE 2	275.3
0395	RC LOOP B INLET TEMP NARROW 1	-???.?
0396	RC LOOP B INLET TEMP NARROW 2	-???.?
0397	RC LOOP B INLET TEMP WIDE 2	275.3
0398	RC LOOP A WIDE RANGE PRESS	1032.
0399	RC LOOP A WIDE RANGE PRESS	1020.
0400	RC LOOP B WIDE RANGE PRESS	1046.
0401	RC PRESSURIZER SURGE LINE TEMP	268.6
0402	RC PRESS REL VLV RV2 OUT TEMP	112.3
0403	RC PRESS REL VLV RV1A OUT TEMP	102.5
0404	RC PRESS REL VLV RV1B OUT TEMP	104.3
0405	RC PRESSURIZER SPRAY LINE TEMP	250.7
2671	PRESS HTR GROUP 1	TRIP
2675	PRESS HTR GROUP 2	TRIP
2676	PRESS HTR GROUP 3	TRIP
2677	PRESS HTR GROUP 4	TRIP
2678	PRESS HTR GROUP 5	TRIP
2679	PRESS HTR GROUP 6	TRIP
2680	PRESS HTR GROUP 7	TRIP
2681	PRESS HTR GROUP 8	TRIP
2682	PRESS HTR GROUP 9	NORM
2683	PRESS HTR GROUP 10	TRIP
2684	PRESS HTR GROUP 11	NORM
2685	PRESS HTR GROUP 12	NORM
2686	PRESS HTR GROUP 13	NORM
2731	DECAY HT CL CLG HTR PIP DC-P-1A	NORM
2732	DECAY HT CL CLG HTR PIP DC-P-1B	NORM
2923	RC LOOP A PTS PRESS < 1000 PSI	YES
2924	RC LOOP A PTS PRESS < 1000 PSI	YES
2925	RC LOOP B PTS PRESS < 1000 PSI	YES

POOR ORIGINAL

Y. Liang et al.

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2

FORGOTTEN

01:00:27 513.7 275.2 1043. 284.4 331.4 301.4 504.0 411.4 610.4 281.6 282.4
 01:02:28 300.2 275.2 1043. 285.8 331.2 307.8 505.3 411.8 609.0 282.0 282.4
 01:04:27 302.1 275.2 1043. 285.7 331.0 309.2 505.4 413.4 610.4 282.1 282.4
 01:06:28 237.0 275.1 1043. 285.8 331.0 309.3 505.0 412.5 610.0 282.9 282.4
 01:08:29 232.2 275.1 1043. 286.4 331.3 315.5 504.8 410.0 611.5 282.7 282.2
 01:10:28 267.5 275.1 1043. 285.8 331.7 402.8 505.0 405.7 611.2 283.2 282.4
 GROUP 11
 01:12:22
 03/30/73

OPERATOR SPECIAL SUMMARY A

0405 RC PRESSURIZER SPRAY LINE TEMP 250.7
 0790 RC PUMP 2A SEAL WTR TEMP 107.1
 0783 RC PUMP 1A SEAL WTR TEMP 107.0
 0783 RC PUMP 2A SEAL WTR TEMP 106.7
 0787 RC PUMP 1A SEAL WTR TEMP 89.7
 1602 PLVL RC PRESSURIZER LVL (INCHES) 326.1
 0503 IM INCORE T/C 5-K TEMP 286.1
 0337 RC LOOP B INLET TEMP WIDE 2 275.1
 0474 SP STM GEN B STM PRESS 24.
 0473 SP STM GEN A STM PRESS 30.
 1733 TSAT STEAM SATURATION TEMP 534.6
 1720 HURCH HEAT/COOL RATE (DEG/HR) .2
 0401 RC PRESSURIZER SURGE LINE TEMP 285.0
 0398 RC LOOP A WIDE RANGE PRESS 1043.
 0394 RC LOOP A INLET TEMP WIDE 2 275.1
 0509 RC PRESSURIZER TEMP 554.3

01:13:40 GROUP TREND

OPERATOR GROUP C

0401 0394 0398 0525 0501 0508 0511 0518 0519 0523 0530
 01:14:00 285.5 275.1 1043. 285.4 331.7 307.8 501.6 411.0 611.7 282.5 282.4
 01:14:31 285.0 275.1 1043. 285.8 331.7 302.2 501.0 407.9 612.4 282.5 282.4
 GROUP 12
 01:15:43
 03/30/73

OPERATOR SPECIAL SUMMARY B

0527 IM INCORE T/C 5-F TEMP 282.2
 0526 IM INCORE T/C 4-E TEMP 283.5
 0525 IM INCORE T/C 5-D TEMP 285.8
 0524 IM INCORE T/C 6-C TEMP 287.3
 0523 IM INCORE T/C 7-3 TEMP 282.9
 0522 IM INCORE T/C 3-B TEMP 288.3
 0520 IM INCORE T/C 10-C TEMP 287.4
 0519 IM INCORE T/C 10-D TEMP 613.0
 0518 IM INCORE T/C 11-E TEMP 406.1
 0517 IM INCORE T/C 11-G TEMP 349.1
 0516 IM INCORE T/C 12-F TEMP 297.2
 0515 IM INCORE T/C 13-F TEMP 286.0
 0514 IM INCORE T/C 13-G TEMP 322.8
 0513 IM INCORE T/C 13-H TEMP 285.7
 0512 IM INCORE T/C 12-K TEMP 298.8
 0511 IM INCORE T/C 11-K TEMP 500.2
 0510 IM INCORE T/C 11-L TEMP 279.2
 0509 IM INCORE T/C 10-I TEMP 337.1
 0508 IM INCORE T/C 9-H TEMP 391.1
 0507 IM INCORE T/C 9-N TEMP 283.0
 0506 IM INCORE T/C 8-N TEMP 374.2
 0505 IM INCORE T/C 7-M TEMP 290.1
 0504 IM INCORE T/C 5-K TEMP 286.1
 0501 IM INCORE T/C 5-G TEMP 315.1
 0500 IM INCORE T/C 6-G TEMP 331.7
 0499 IM INCORE T/C 7-F TEMP 323.2
 0498 IM INCORE T/C 9-E TEMP 513.0
 0496 IM INCORE T/C 8-F TEMP 570.0
 0495 IM INCORE T/C 9-G TEMP 241.4
 0494 IM INCORE T/C 9-H TEMP 420.7
 0493 IM INCORE T/C 8-H TEMP 337.1
 0492 IM INCORE T/C 8-H TEMP 277.2

POOR ORIGINAL

01:10:01 GROUP TREND

OPERATOR GROUP C

	0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
01:10:52	274.9	275.0	1043.	285.8	331.7	394.7	550.1	407.5	612.4	282.1	282.4
01:11:13	279.2	275.0	1043.	285.1	332.0	394.2	550.3	408.8	613.5	281.9	282.3
01:20:29	278.3	275.0	1043.	285.4	332.0	394.4	550.2	409.9	614.1	282.1	282.2

ANNUNCIATOR GROUP VALUE REVIEW

REACTOR COOLANT SYSTEM

0207	RC DRAIN TANK LEVEL (INCHES)	70.00
0300	RC PRESSURIZER WTR LVL 1 (UP)	154.6
0307	RC PRESSURIZER WTR LVL 2 (UP)	152.0
0308	RC PRESSURIZER WTR LVL 3 (UP)	153.6
0303	RC PRESSURIZER TEMP	554.4
0300	RC LOOP A OUTLET TEMP	-???.?
0301	RC LOOP B OUTLET TEMP	-???.?
0302	RC LOOP A INLET TEMP NARROW 1	-???.?
0303	RC LOOP A INLET TEMP NARROW 2	-???.?
0304	RC LOOP A INLET TEMP WIDE 2	275.0
0305	RC LOOP B INLET TEMP NARROW 1	-???.?
0306	RC LOOP B INLET TEMP NARROW 2	-???.?
0307	RC LOOP B INLET TEMP WIDE 2	275.0
0308	RC LOOP A WIDE RANGE PRESS	1044.
0309	RC LOOP A WIDE RANGE PRESS	1037.
0400	RC LOOP B WIDE RANGE PRESS	1060.
0401	RC PRESSURIZER SURGE LINE TEMP	275.3
0402	RC PRESS REL VLV RV2 OUT TEMP	112.8
0403	RC PRESS REL VLV RV1A OUT TEMP	102.7
0404	RC PRESS REL VLV RV1B OUT TEMP	104.5
0405	RC PRESSURIZER SPRAY LINE TEMP	250.8
2674	PRESS HTR GROUP 1	TRIP
2675	PRESS HTR GROUP 2	TRIP
2676	PRESS HTR GROUP 3	TRIP
2677	PRESS HTR GROUP 4	TRIP
2678	PRESS HTR GROUP 5	TRIP
2679	PRESS HTR GROUP 6	TRIP
2680	PRESS HTR GROUP 7	TRIP
2681	PRESS HTR GROUP 8	TRIP
2682	PRESS HTR GROUP 9	NOI#1
2683	PRESS HTR GROUP 10	TRIP
2684	PRESS HTR GROUP 11	NOI#1
2685	PRESS HTR GROUP 12	NOI#1
2686	PRESS HTR GROUP 13	NOI#1
2731	DECAY HT CL CLG WTR R/P DC-P-1A	NOI#1
2732	DECAY HT CL CLG WTR R/P DC-P-1B	NOI#1
2923	RC LOOP A PT3 PRESS < 1600 PSI	YES
2924	RC LOOP A PT4 PRESS < 1600 PSI	YES
2925	RC LOOP B PT3 PRESS < 1600 PSI	YES

01:23:00 GROUP TREND

OPERATOR GROUP C

	0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
01:23:36	277.8	275.0	1043.	285.1	331.7	394.6	550.4	409.3	616.1	283.2	282.0
01:26:30	273.4	275.0	1043.	285.6	331.8	392.9	550.2	407.3	616.7	282.6	282.3
01:28:20	271.0	275.0	1043.	285.3	331.8	394.3	550.1	408.8	617.6	282.6	282.3
01:30:48	272.4	275.4	1044.	285.6	331.8	396.0	550.3	408.2	617.3	283.7	282.5

POOR ORIGINAL

3313-173

0527	1M	INCORE	T/C	3-E	TEMP	285.7
0526	1M	INCORE	T/C	4-E	TEMP	286.6
0525	1M	INCORE	T/C	5-D	TEMP	289.0
0524	1M	INCORE	T/C	6-C	TEMP	291.0
0523	1M	INCORE	T/C	7-B	TEMP	285.3
0522	1M	INCORE	T/C	8-B	TEMP	291.1
0520	1M	INCORE	T/C	10-C	TEMP	290.7
0519	1M	INCORE	T/C	10-D	TEMP	320.9
0518	1M	INCORE	T/C	11-E	TEMP	333.0
0517	1M	INCORE	T/C	11-G	TEMP	359.2
0516	1M	INCORE	T/C	12-F	TEMP	290.7
0515	1M	INCORE	T/C	13-F	TEMP	289.8
0514	1M	INCORE	T/C	13-G	TEMP	330.1
0513	1M	INCORE	T/C	13-H	TEMP	287.6
0512	1M	INCORE	T/C	12-K	TEMP	298.7
0511	1M	INCORE	T/C	11-K	TEMP	355.3
0510	1M	INCORE	T/C	11-L	TEMP	284.7
0509	1M	INCORE	T/C	10-H	TEMP	345.2
0508	1M	INCORE	T/C	9-I	TEMP	335.5
0507	1M	INCORE	T/C	9-N	TEMP	286.4
0506	1M	INCORE	T/C	8-N	TEMP	376.3
0505	1M	INCORE	T/C	7-I	TEMP	295.8
0503	1M	INCORE	T/C	5-K	TEMP	280.6
0502	1M	INCORE	T/C	5-H	TEMP	319.2
0501	1M	INCORE	T/C	5-G	TEMP	333.4
0500	1M	INCORE	T/C	6-G	TEMP	323.6
0498	1M	INCORE	T/C	7-F	TEMP	310.3
0497	1M	INCORE	T/C	9-E	TEMP	362.0
0496	1M	INCORE	T/C	8-F	TEMP	242.3
0495	1M	INCORE	T/C	8-G	TEMP	426.2
0494	1M	INCORE	T/C	8-H	TEMP	345.2
0493	1M	INCORE	T/C	8-H	TEMP	-777.7

WARRIOR

01:57	14	INCORE T/C	3-E TEMP	242.3
01:58	14	INCORE T/C	3-F TEMP	426.2
01:59	14	INCORE T/C	3-G TEMP	245.2
02:00	14	INCORE T/C	3-H TEMP	-222.2

01:53:45 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
265.1	270.4	1048.	288.6	333.2	306.1	552.7	323.0	621.0	285.3	285.7

01:53:35	265.1	278.4	1048.	288.8	333.4	305.9	552.2	321.2	631.0	285.3	285.3
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02:00:16	DATA	0528	14	INCORE T/C	2-G TEMP	232.0
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02:00:24	DATA	0529	14	INCORE T/C	1-H TEMP	286.0
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02:00:32	DATA	0530	14	INCORE T/C	2-L TEMP	285.3
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02:00:41 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
264.8	278.3	1049.	287.5	333.4	305.9	554.2	315.0	620.5	285.6	285.9

02:01:45	264.8	278.3	1049.	287.5	332.8	306.1	555.5	313.4	621.0	285.1	285.3
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02:02:06	DATA	0531	14	INCORE T/C	3-L TEMP	285.5
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02:02:13	DATA	0532	14	INCORE T/C	3-H TEMP	285.3
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02:02:21	DATA	0533	14	INCORE T/C	4-L TEMP	295.0
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02:02:29	DATA	0534	14	INCORE T/C	5-0 TEMP	295.3
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02:02:36	DATA	0535	14	INCORE T/C	6-0 TEMP	292.4
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02:02:44 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
264.8	278.3	1049.	287.5	333.0	305.0	556.0	307.6	620.8	285.3	285.7

02:03:04	DATA	0536	14	INCORE T/C	6-P TEMP	287.5
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02:03:13 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
264.8	278.3	1049.	288.4	333.0	304.2	556.2	303.8	620.3	285.8	285.5

02:04:03	DATA	0537	14	INCORE T/C	7-R TEMP	285.7
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02:04:11 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
264.5	278.3	1049.	286.4	333.0	304.8	555.2	300.0	621.0	285.8	285.5

02:05:00	DATA	0537	14	INCORE T/C	7-R TEMP	285.7
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02:05:20	DATA	0538	14	INCORE T/C	10-R TEMP	286.3
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02:05:30	DATA	0539	14	INCORE T/C	10-0 TEMP	290.8
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02:05:45 GROUP TREND

OPERATOR GROUP C

0401	0304	0308	0525	0501	0508	0511	0518	0519	0523	0530
264.3	278.3	1049.	288.4	332.8	303.4	555.9	296.3	621.4	286.0	285.7

02:06:02	DATA	0540	14	INCORE T/C	12-0 TEMP	287.3
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02:06:30	DATA	0541	14	INCORE T/C	14-0 TEMP	270.3
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02:06:39	DATA	0542	14	INCORE T/C	13-L TEMP	-222.2
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02:06:47	DATA	0543	14	INCORE T/C	14-0 TEMP	286.2
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02:06:55	DATA	0544	14	INCORE T/C	13-0 TEMP	286.4
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02:07:02 05/30/73

POOR ORIGINAL

218 184

03:11:11

GROUP C

	0501	0504	0508	0525	0531	0503	0511	0513	0503	0523	0530
03:11:12	262.1	277.4	1055.	208.3	332.9	331.3	538.0	200.4	632.3	204.5	208.2
03:13:10	261.6	277.4	1055.	208.3	332.9	330.1	530.1	260.4	633.1	204.3	208.2
03:15:00	261.6	277.3	1055.	206.8	333.4	341.6	540.6	258.6	632.8	204.6	208.2
03:16:00	261.4	277.2	1055.	206.6	333.0	341.9	541.1	256.6	632.2	204.5	204.8
03:16:33	261.2	277.1	1056.	206.1	333.0	341.6	543.7	255.3	632.2	204.5	204.8
03:17:11	261.1	277.1	1056.	205.2	332.8	347.4	540.2	253.7	632.2	204.5	204.8
03:18:11	261.4	277.0	1056.	205.4	333.0	337.2	540.4	262.0	632.2	204.2	204.5
03:19:11	261.3	276.9	1056.	205.2	333.2	320.1	540.6	260.6	632.2	204.2	204.3
03:20:11	261.1	276.7	1056.	205.0	333.7	334.3	538.0	248.0	632.0	204.0	204.3
03:21:10	261.3	276.6	1056.	205.0	333.0	335.4	539.8	247.5	632.0	204.7	204.3
03:22:10	261.1	276.5	1056.	204.8	333.2	334.3	540.7	246.0	631.8	204.5	204.3
03:23:11	260.8	276.4	1056.	205.0	333.2	334.6	540.0	244.0	632.7	204.3	203.9
03:24:03	260.8	276.2	1056.	205.0	333.5	335.7	538.3	243.1	632.5	204.3	204.1
03:25:00	260.7	276.2	1056.	205.2	332.6	337.7	537.4	241.7	632.7	204.7	204.1

03:25:11
03:25:41
03/30/79

OPERATOR SPECIAL SUMMARY A

0405	RC PRESSURIZER SPRAY LINE TEMP	252.6
0720	RC PUMP 2B SEAL WTR TEMP	108.1
0709	RC PUMP 1B SEAL WTR TEMP	108.1
0708	RC PUMP 2A SEAL WTR TEMP	107.7
0707	RC PUMP 1A SEAL WTR TEMP	94.0
1302	PLVL RC PRESSURIZER LVL (INCHES)	340.8
0503	IN INCORE T/C 5-K TEMP	287.1
0507	RC LOOP B INLET TEMP WIDE 2	276.1
0474	SP STA GEN B STA PRESS	25.
0473	SP STA GEN A STA PRESS	30.
1739	TSAT STEAM SATURATION TEMP	534.6
1720	WATER HEAT/COOL RATE (DEG/HR)	5.4
0401	RC PRESSURIZER SURGE LINE TEMP	250.7
0508	RC LOOP A WIDE RANGE PRESS	1056.
0304	RC LOOP A INLET TEMP WIDE 2	276.0
0509	RC PRESSURIZER TEMP	255.7

03:26:50 GROUP TREND

OPERATOR GROUP C

	0401	0304	0308	0525	0501	0508	0511	0510	0519	0523	0530
03:27:28	260.3	275.9	1056.	205.2	333.2	338.3	537.8	238.2	632.0	204.3	203.4
03:27:48	260.6	275.9	1056.	205.2	332.8	338.3	537.8	230.2	632.9	204.3	203.4

GROUP 12
03:28:05
03/30/79

OPERATOR SPECIAL SUMMARY B

0527	IN INCORE T/C 3-F TEMP	283.0
0525	IN INCORE T/C 4-E TEMP	284.1
0515	IN INCORE T/C 5-D TEMP	285.4
0524	IN INCORE T/C 6-C TEMP	287.1
0523	IN INCORE T/C 7-B TEMP	289.0
0522	IN INCORE T/C 8-B TEMP	291.5
0520	IN INCORE T/C 10-C TEMP	289.3
0519	IN INCORE T/C 10-D TEMP	292.7

POOR ORIGINAL

218 185

GROUP 12
03:20:05
03/30/73

OPERATOR SPECIAL SUMMARY B

0527	IM INCORE T/C	3-F TEMP	283.0
0526	IM INCORE T/C	4-E TEMP	284.1
0525	IM INCORE T/C	5-D TEMP	285.4
0524	IM INCORE T/C	6-C TEMP	287.0
0523	IM INCORE T/C	7-B TEMP	284.0
0522	IM INCORE T/C	8-B TEMP	288.5
0520	IM INCORE T/C	10-C TEMP	288.3
0519	IM INCORE T/C	10-D TEMP	632.7
0518	IM INCORE T/C	11-E TEMP	237.1
0517	IM INCORE T/C	11-G TEMP	288.8
0516	IM INCORE T/C	12-F TEMP	284.0
0515	IM INCORE T/C	13-F TEMP	287.6
0514	IM INCORE T/C	13-G TEMP	326.3
0513	IM INCORE T/C	13-H TEMP	290.0
0512	IM INCORE T/C	12-K TEMP	284.7
0511	IM INCORE T/C	11-K TEMP	533.9
0510	IM INCORE T/C	11-L TEMP	282.9
0509	IM INCORE T/C	10-M TEMP	334.6
0508	IM INCORE T/C	9-M TEMP	387.2
0507	IM INCORE T/C	8-N TEMP	283.8
0506	IM INCORE T/C	8-N TEMP	373.0
0505	IM INCORE T/C	7-M TEMP	292.3
0503	IM INCORE T/C	5-K TEMP	286.9
0502	IM INCORE T/C	5-H TEMP	304.7
0501	IM INCORE T/C	5-G TEMP	332.3
0500	IM INCORE T/C	6-G TEMP	325.0
0498	IM INCORE T/C	7-F TEMP	304.7
0497	IM INCORE T/C	9-E TEMP	533.9
0496	IM INCORE T/C	8-F TEMP	230.9
0495	IM INCORE T/C	9-G TEMP	425.6
0494	IM INCORE T/C	9-H TEMP	338.2
0493	IM INCORE T/C	9-I TEMP	-999.9

POOR ORIGINAL

03:20:05	DATA	0531	IM INCORE T/C	2-L TEMP	283.7
03:20:06	DATA	0532	IM INCORE T/C	3-L TEMP	283.3
03:20:07	DATA	0533	IM INCORE T/C	3-M TEMP	282.0
03:20:08	DATA	0534	IM INCORE T/C	4-N TEMP	281.3
03:20:09	DATA	0535	IM INCORE T/C	4-N TEMP	293.5
03:20:10	DATA	0536	IM INCORE T/C	5-O TEMP	290.9
03:20:11	DATA	0537	IM INCORE T/C	5-O TEMP	286.6
03:20:12	DATA	0538	IM INCORE T/C	6-P TEMP	284.5
03:20:13	DATA	0539	IM INCORE T/C	7-R TEMP	283.7
03:20:14	DATA	0540	IM INCORE T/C	10-R TEMP	284.1
03:20:15	DATA	0541	IM INCORE T/C	10-R TEMP	284.1
03:20:16	DATA	0542	IM INCORE T/C	10-R TEMP	287.4
03:20:17	DATA	0543	IM INCORE T/C	12-O TEMP	284.8
03:20:18	DATA	0544	IM INCORE T/C	14-M TEMP	288.6
03:20:19	DATA	0545	IM INCORE T/C	13-L TEMP	-999.9
03:20:20	DATA	0546	IM INCORE T/C	14-O TEMP	283.5
03:20:21	DATA	0547	IM INCORE T/C	15-G TEMP	283.7
03:20:22	DATA	0548	IM INCORE T/C	15-G TEMP	283.7

GROUP 13
OPERATOR GROUP C

0401 0534 0538 0525 0501 0508 0511 0518 0519 0523 0533

218 186

03:31:48	DATA	0531	IM INCORE T/C	3-L TEMP	282.9
03:31:55	DATA	0532	IM INCORE T/C	3-R TEMP	281.3
03:32:03	DATA	0533	IM INCORE T/C	4-L TEMP	293.5
03:32:11	DATA	0534	IM INCORE T/C	5-L TEMP	290.9
03:32:18	DATA	0535	IM INCORE T/C	6-L TEMP	294.6
03:32:26	DATA	0536	IM INCORE T/C	6-R TEMP	284.5
03:32:33	DATA	0537	IM INCORE T/C	7-R TEMP	283.7
03:32:41	DATA	0538	IM INCORE T/C	10-R TEMP	284.1
03:32:49	DATA	0538	IM INCORE T/C	10-R TEMP	284.1
03:32:56	DATA	0539	IM INCORE T/C	10-L TEMP	287.4
03:33:04	DATA	0540	IM INCORE T/C	12-L TEMP	284.3
03:33:12	DATA	0541	IM INCORE T/C	14-L TEMP	288.6
03:33:19	DATA	0542	IM INCORE T/C	13-L TEMP	-???.?
03:33:27	DATA	0543	IM INCORE T/C	14-L TEMP	285.5
03:33:35	DATA	0544	IM INCORE T/C	13-C TEMP	283.7
03:38:44	GROUP TREND				

OPERATOR GROUP C

03:57:04	0501	0534	0538	0525	0501	0508	0511	0518	0510	0523	0530
03:57:28	259.6	275.3	1057.	284.9	333.5	387.5	533.0	401.0	633.1	234.5	282.9
A REACTOR GROUP VALUE REVIEW											

REACTOR COOLANT SYSTEM

0207	RC DRAIN TANK LEVEL (INCHES)	70.00
0306	RC PRESSURIZER WTR LVL 1 (UP)	141.3
0307	RC PRESSURIZER WTR LVL 2 (UP)	133.8
0308	RC PRESSURIZER WTR LVL 3 (UP)	150.3
0309	RC PRESSURIZER TEMP	555.8
0310	RC LOOP A OUTLET TEMP	-???.?
0311	RC LOOP B OUTLET TEMP	-???.?
0312	RC LOOP A INLET TEMP NARROW 1	-???.?
0313	RC LOOP A INLET TEMP NARROW 2	-???.?
0314	RC LOOP A INLET TEMP WIDE 2	275.3
0315	RC LOOP B INLET TEMP NARROW 1	-???.?
0316	RC LOOP B INLET TEMP NARROW 2	-???.?
0317	RC LOOP B INLET TEMP WIDE 2	275.3
0318	RC LOOP A WIDE RANGE PRESS	1053.
0319	RC LOOP A WIDE RANGE PRESS	1050.
0400	RC LOOP B WIDE RANGE PRESS	1078.
0401	RC PRESSURIZER SURGE LINE TEMP	259.6
0402	RC PRESS REL VLV RV2 OUT TEMP	112.5
0403	RC PRESS REL VLV RV1A OUT TEMP	101.9
0404	RC PRESS REL VLV RV1B OUT TEMP	103.9
0405	RC PRESSURIZER SPRAY LINE TEMP	251.6
2674	PRESS WTR GROUP 1	TRIP
2675	PRESS WTR GROUP 2	TRIP
2676	PRESS WTR GROUP 3	TRIP
2677	PRESS WTR GROUP 4	TRIP
2678	PRESS WTR GROUP 5	TRIP
2679	PRESS WTR GROUP 6	TRIP
2680	PRESS WTR GROUP 7	TRIP
2681	PRESS WTR GROUP 8	TRIP
2682	PRESS WTR GROUP 9	NORM
2683	PRESS WTR GROUP 10	TRIP
2684	PRESS WTR GROUP 11	NORM
2685	PRESS WTR GROUP 12	NORM
2686	PRESS WTR GROUP 13	NORM
2701	COOLANT CL CLG WTR RPT C-1-14	TRIP
2702	COOLANT CL CLG WTR RPT C-1-15	TRIP
2703	COOLANT CL CLG WTR RPT C-1-16	YES
2704	COOLANT CL CLG WTR RPT C-1-17	YES
2705	COOLANT CL CLG WTR RPT C-1-18	YES

POOR ORIGINAL

2682	PRESS HTR GROUP 9	TRIP
2683	PRESS HTR GROUP 10	TRIP
2684	PRESS HTR GROUP 11	TRIP
2685	PRESS HTR GROUP 12	TRIP
2686	PRESS HTR GROUP 13	TRIP
2731	DECK HT CL CLG HTR PWP DC-P-1A	TRIP
2732	DECK HT CL CLG HTR PWP DC-P-1B	TRIP
2823	RC LOOP A PT3 PRESS < 1500 PSI	YES
2824	RC LOOP A PT4 PRESS < 1500 PSI	YES
2825	RC LOOP B PT3 PRESS < 1500 PSI	YES

03:40:32 GROUP TREND

OPERATOR GROUP C

	0401	0504	0508	0525	0501	0503	0511	0513	0519	0523	0530
03:40:53	251.5	275.2	1058.	214.9	333.3	331.5	522.2	406.3	633.6	283.8	282.9
03:41:14	251.5	275.2	1058.	214.9	333.3	331.5	527.3	406.1	633.6	283.8	282.9

03:41:33 ASSOCIATION GROUP VALUE REVIEW

WAKE UP SYSTEM

0346	WAKE-UP PWP SUMP HTR PRESS	85.5
0348	WU LEVEL IN FLOW (LITRO)	1.7
0347	WU TANK LEVEL (LITRO)	18.3
0348	UNASSIGNED RTD SPARE	.1
0349	WUP P1A RADIAL PWP BRG TEMP	66.2
0350	WUP P1B RADIAL PWP BRG TEMP	120.9
0351	WUP P1C RADIAL PWP BRG TEMP	66.4
0352	WUP P1A THRUST-RADIAL BRG TEMP	70.7
0353	WUP P1B THRUST-RADIAL BRG TEMP	146.1
0354	WUP P1C THRUST-RADIAL BRG TEMP	67.4
0355	WUP P1A GEAR BRG TEMP-PWP END	69.3
0356	WUP P1B GEAR BRG TEMP-PWP END	114.1
0357	WUP P1C GEAR BRG TEMP-PWP END	85.5
0358	WUP P1A GEAR BRG TEMP-CENTER PWP	68.2
0359	WUP P1B GEAR BRG TEMP-CENTER PWP	105.8
0360	WUP P1C GEAR BRG TEMP-CENTER PWP	65.9
0361	WUP P1A GEAR BRG TEMP-CENTER HTR	68.5
0362	WUP P1B GEAR BRG TEMP-CENTER HTR	123.5
0363	WUP P1C GEAR BRG TEMP-CENTER HTR	65.8
0364	WUP P1A GEAR BRG TEMP-HTR END	68.5
0365	WUP P1B GEAR BRG TEMP-HTR END	109.4
0366	WUP P1C GEAR BRG TEMP-HTR END	67.4
0367	WUP P1A HTR BRG TEMP-OUTED	60.3
0368	WUP P1B HTR BRG TEMP-OUTED	111.4
0369	WUP P1C HTR BRG TEMP-OUTED	65.4
0370	WUP P1A HTR BRG TEMP-PH-GEAR END	61.3
0371	WUP P1B HTR BRG TEMP-PH-GEAR END	97.3
0372	WUP P1C HTR BRG TEMP-PH-GEAR END	64.9
2819	WUP P1A HTR STATUS	TRIP
2820	WUP P1B HTR STATUS	TRIP
2821	WUP P1C HTR STATUS	TRIP
2830	WU LSTDOWN PRESS	HIGH
2842	WUP P1A LUDE OIL PRESS	LOW
2843	WUP P1B LUDE OIL PRESS	LOW
2844	WUP P1C LUDE OIL PRESS	LOW
2845	WUP P1A AUX LUDE OIL PRESS	LOW
2846	WUP P1B AUX LUDE OIL PRESS	LOW
2847	WUP P1C AUX LUDE OIL PRESS	LOW
2848	WUP P1A HTR COUPLING HTR	LOW
2849	WUP P1B HTR COUPLING HTR	LOW
2850	WUP P1C HTR COUPLING HTR	LOW
3172	RC WAKE-UP PWP 1A TRIPPED	TRIP
3173	RC WAKE-UP PWP 1B TRIPPED	TRIP

POOR ORIGINAL

218 188

0367	MUP P10 GEAR DRG TEMP-P1P END	114.1
0367	MUP P10 GEAR DRG TEMP-P1P END	85.5
0368	MUP P1A GEAR DRG TEMP-CENTER R/P	58.2
0369	MUP P1B GEAR DRG TEMP-CENTER R/P	105.3
0370	MUP P1C GEAR DRG TEMP-CENTER R/P	85.9
0371	MUP P1A GEAR DRG TEMP-CENTER MTR	88.5
0372	MUP P1B GEAR DRG TEMP-CENTER MTR	123.5
0373	MUP P1C GEAR DRG TEMP-CENTER MTR	85.8
0374	MUP P1A GEAR DRG TEMP-MTR END	88.5
0375	MUP P1B GEAR DRG TEMP-MTR END	109.4
0376	MUP P1C GEAR DRG TEMP-MTR END	67.4
0377	MUP P1A MTR DRG TEMP OUTSD	60.3
0378	MUP P1B MTR DRG TEMP OUTSD	111.4
0379	MUP P1C MTR DRG TEMP OUTSD	65.4
0379	MUP P1A MTR DRG TEMP-GEAR END	61.3
0371	MUP P1B MTR DRG TEMP-GEAR END	82.9
0372	MUP P1C MTR DRG TEMP-GEAR END	88.9
2313	MUP P1A MTR STATUS	TRIP
2320	MUP P1B MTR STATUS	NORM
2321	MUP P1C MTR STATUS	TRIP
2335	MU LUB OIL PRESS	LOW
2342	MUP P1A LUBE OIL PRESS	NORM
2343	MUP P1B LUBE OIL PRESS	NORM
2344	MUP P1C LUBE OIL PRESS	NORM
2345	MUP P1A AUX LUBE OIL PRESS	LOW
2346	MUP P1B AUX LUBE OIL PRESS	LOW
2347	MUP P1C AUX LUBE OIL PRESS	LOW
2348	MUP P1A MTR COOLING MTR	LOW
2349	MUP P1B MTR COOLING MTR	NORM
2350	MUP P1C MTR COOLING MTR	LOW
3172	RC MAKE-UP R/P 1A TRIPPED	TRIP
3173	RC MAKE-UP R/P 1B TRIPPED	NORM
3174	RC MAKE-UP R/P 1C TRIPPED	TRIP

03:45:06 GROUP TREND

OPERATOR GROUP C

	0301	0324	0348	0525	0501	0508	0511	0518	0519	0523	0530
03:45:26	259.0	275.0	1058.	284.4	333.6	378.9	524.6	323.1	634.1	283.7	282.7
03:46:45	259.0	275.0	1058.	284.4	332.6	379.3	522.9	327.9	634.2	283.2	282.9
03:48:05	259.0	275.0	1058.	284.4	332.7	384.9	527.4	321.1	634.3	283.0	282.4
03:50:44	258.6	274.0	1058.	284.4	332.4	386.8	526.5	375.3	634.7	283.2	282.4
03:52:44	259.0	274.9	1060.	284.9	332.5	381.4	524.6	368.9	634.5	283.0	282.4
03:54:45	259.0	274.0	1060.	284.7	332.7	383.4	527.6	362.7	635.0	283.0	282.4
03:56:45	258.4	274.0	1059.	284.7	332.5	381.4	517.0	357.9	635.0	283.1	282.5

POOR ORIGINAL

04:57:10
05/3/77

OPERATION SPECIAL SUMMARY A

0405	RC PR. FURURIZER SPRAY LINE TEMP	250.3
0700	RC PUMP 28 SEAL WTR TEMP	100.6
0709	RC PUMP 18 SEAL WTR TEMP	97.3
0703	RC PUMP 2A SEAL WTR TEMP	100.5
0707	RC PUMP 1A SEAL WTR TEMP	106.1
1502	FLVL RC PRESSURIZER LVL (INH2O)	352.6
0503	IN INCORE T/C 5-K TEMP	235.7
0507	RC LOOP B INLET TEMP WIDE 2	274.5
0474	SP STA GEN B STA PRESS	23.
0475	SP STA GEN A STA PRESS	29.
1739	TSAT STEAM SATURATION TEMP	536.6
1720	HEAT/COOL RATE (DEG/HR)	-.2
0401	RC PRESSURIZER SURGE LINE TEMP	257.9
0508	RC LOOP A WIDE RANGE PRESS	1032.
0304	RC LOOP A INLET TEMP WIDE 2	274.4
0509	RC PR. FURURIZER TEMP	536.5

04:53:05 ANTICIPATOR GROUP VALUE REVIEW

MAKE UP SYSTEM

0105	MAKE-UP PUMP SUCT HDR PRESS	20.5
0346	LD LETDOWN FLOW (GPM)	1.7
0547	LD TANK LEVEL (INH2O)	1.5
0548	UNASSIGNED RTD SPARE	.1
0343	MUP P1A RADIAL P/R BRG TEMP	66.2
0350	MUP P10 RADIAL P/R BRG TEMP	129.9
0351	MUP P1C RADIAL P/R BRG TEMP	66.4
0352	MUP P1A THRUST-RADIAL BRG TEMP	70.7
0353	MUP P13 THRUST-RADIAL BRG TEMP	145.9
0354	MUP P1C THRUST-RADIAL BRG TEMP	67.4
0355	MUP P1A GEAR BRG TEMP-P/R END	68.3
0356	MUP P10 GEAR BRG TEMP-P/R END	110.2
0357	MUP P1C GEAR BRG TEMP-P/R END	65.5
0358	MUP P1A GEAR BRG TEMP-CENTER P/R	68.2
0359	MUP P10 GEAR BRG TEMP-CENTER P/R	106.9
0360	MUP P1C GEAR BRG TEMP-CENTER P/R	65.8
0361	MUP P1A GEAR BRG TEMP-CENTER MTR	68.5
0362	MUP P10 GEAR BRG TEMP-CENTER MTR	123.6
0363	MUP P1C GEAR BRG TEMP-CENTER MTR	65.7
0364	MUP P1A GEAR BRG TEMP-MTR END	68.4
0365	MUP P10 GEAR BRG TEMP-MTR END	103.5
0366	MUP P1C GEAR BRG TEMP-MTR END	67.4
0367	MUP P1A MTR BRG TEMP OUTBD	41.1
0368	MUP P10 MTR BRG TEMP OUTBD	111.5
0369	MUP P1C MTR BRG TEMP OUTBD	65.4
0370	MUP P1A MTR BRG TEMP-GEAR END	61.8
0371	MUP P10 MTR BRG TEMP-GEAR END	92.9
0372	MUP P1C MTR BRG TEMP-GEAR END	64.9
2313	MUP P1A MTR STATUS	TRIP
2320	MUP P10 MTR STATUS	TRIP
2321	MUP P1C MTR STATUS	TRIP
2300	LD LETDOWN PRESS	116.1
2342	MUP P1A LUBE OIL PRESS	100.1
2343	MUP P10 LUBE OIL PRESS	100.1
2344	MUP P1C LUBE OIL PRESS	100.1
2345	MUP P1A AUX LUBE OIL PRESS	LOW

POOR ORIGINAL

218 190

2341	RUP PIC HTR STATUS	TRIP
2342	RUP LETOOL PRESS	NORM
2343	RUP P1A LUBE OIL PRESS	NORM
2344	RUP P1B LUBE OIL PRESS	NORM
2345	RUP P1C LUBE OIL PRESS	NORM
2346	RUP P1A AUX LUBE OIL PRESS	LOW
2347	RUP P1B AUX LUBE OIL PRESS	LOW
2348	RUP P1C AUX LUBE OIL PRESS	LOW
2349	RUP P1A HTR COOLING WTR	LOW
2350	RUP P1B HTR COOLING WTR	NORM
2351	RUP P1C HTR COOLING WTR	LOW
3172	RC MAKE-UP PMP 1A TRIPPED	TRIP
3173	RC MAKE-UP PMP 1B TRIPPED	NORM
3174	RC MAKE-UP PMP 1C TRIPPED	TRIP

04:42:43 ASSOCIATOR GROUP VALUE REVIEW

REACTOR COOLANT SYSTEM

0207	RC DRAIN TANK LEVEL (INCHES)	70.00
0336	RC PRESSURIZER WTR LVL 1 (DP)	157.4
0387	RC PRESSURIZER WTR LVL 2 (DP)	154.3
0388	RC PRESSURIZER WTR LVL 3 (DP)	150.4
0389	RC PRESSURIZER TEMP	556.5
0390	RC LOOP A OUTLET TEMP	-???.?
0391	RC LOOP B OUTLET TEMP	-???.?
0392	RC LOOP A INLET TEMP NARROW 1	-???.?
0393	RC LOOP A INLET TEMP NARROW 2	-???.?
0394	RC LOOP A INLET TEMP WIDE 2	274.4
0395	RC LOOP B INLET TEMP NARROW 1	-???.?
0396	RC LOOP B INLET TEMP NARROW 2	-???.?
0397	RC LOOP B INLET TEMP WIDE 2	274.4
0398	RC LOOP A WIDE RANGE PRESS	1082.
0399	RC LOOP A WIDE RANGE PRESS	1056.
0400	RC LOOP B WIDE RANGE PRESS	1083.
0401	RC PRESSURIZER SURGE LINE TEMP	258.1
0402	RC PRESS REL VLV RV2 OUT TEMP	112.1
0403	RC PRESS REL VLV RV1A OUT TEMP	101.6
0404	RC PRESS REL VLV RV1B OUT TEMP	103.2
0405	RC PRESSURIZER SPRAY LINE TEMP	250.1
2674	PRESS HTR GROUP 1	TRIP
2675	PRESS HTR GROUP 2	TRIP
2676	PRESS HTR GROUP 3	TRIP
2677	PRESS HTR GROUP 4	TRIP
2678	PRESS HTR GROUP 5	TRIP
2679	PRESS HTR GROUP 6	TRIP
2680	PRESS HTR GROUP 7	TRIP
2681	PRESS HTR GROUP 8	TRIP
2682	PRESS HTR GROUP 9	NORM
2683	PRESS HTR GROUP 10	TRIP
2684	PRESS HTR GROUP 11	NORM
2685	PRESS HTR GROUP 12	NORM
2686	PRESS HTR GROUP 13	NORM
2731	DECAY HT CL CLG WTR BIP DC-P-1A	NORM
2732	DECAY HT CL CLG WTR BIP DC-P-1B	NORM
2823	RC LOOP A PT3 PRESS < 1500 PSI	YES
2824	RC LOOP A PT4 PRESS < 1000 PSI	YES
2825	RC LOOP B PT3 PRESS < 1000 PSI	YES

POOR ORIGINAL

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04:43:56 ASSOCIATOR GROUP VALUE REVIEW

REACTOR COOLANT PUMPS & MOTORS

2925 RC LOOP B PTS PRESS < 1000 PSI YES

04:45:56 REACTOR GROUP VALUE REVIEW

REACTOR COOLANT PUMPS & MOTORS

0422	RCP 1A AIR TEMP DEGF	57.4
0423	RCP 2A AIR TEMP DEGF	76.9
0424	RCP 2B AIR TEMP DEGF	77.1
0425	RCP 1B AIR TEMP DEGF	79.9
0426	RCP 1A OXIDANT DRG TEMP	111.2
0427	RCP 2A OXIDANT DRG TEMP	92.8
0428	RCP 2B OXIDANT DRG TEMP	93.8
0429	RCP 1B OXIDANT DRG TEMP	97.7
0430	RCP 1A OXIDANT DRG TEMP	115.8
0431	RCP 2A OXIDANT DRG TEMP	96.4
0432	RCP 2B OXIDANT DRG TEMP	92.1
0433	RCP 1B OXIDANT DRG TEMP	98.9
0434	RCP 1A UPPER RADIAL DRG TEMP	123.5
0435	RCP 2A UPPER RADIAL DRG TEMP	96.5
0436	RCP 2B UPPER RADIAL DRG TEMP	96.5
0437	RCP 1B UPPER RADIAL DRG TEMP	96.3
0438	RCP 1A LOWER RADIAL DRG TEMP	109.6
0439	RCP 2A LOWER RADIAL DRG TEMP	79.9
0440	RCP 2B LOWER RADIAL DRG TEMP	85.0
0441	RCP 1B LOWER RADIAL DRG TEMP	80.4
0771	HU RCP 1A SEAL RET FLOW (GPM)	.642
0772	HU RCP 2A SEAL RET FLOW (GPM)	.811
0773	HU RCP 2B SEAL RET FLOW (GPM)	.657
0774	HU RCP 1B SEAL RET FLOW (GPM)	1.123
0787	RC PUMP 1A SEAL WTR TEMP	85.0
0788	RC PUMP 2A SEAL WTR TEMP	89.7
0789	RC PUMP 1B SEAL WTR TEMP	89.5
0790	RC PUMP 2B SEAL WTR TEMP	90.0
1670	REAC COOLANT PMP 1A HOT STATOR	128.8
1671	REAC COOLANT PMP 2B HOT STATOR	90.2
1672	REAC COOLANT PMP 2A HOT STATOR	91.4
1673	REAC COOLANT PMP 1B HOT STATOR	92.7
2955	RC PUMP 1A SEAL LEAK TK LVL	NORM
2956	RC PUMP 2A SEAL LEAK TK LVL	NORM
2957	RC PUMP 2B SEAL LEAK TK LVL	NORM
2958	RC PUMP 1B SEAL LEAK TK LVL	NORM
2959	RCP 1A LUBE OIL FLOW	NORM
2960	RCP 2A LUBE OIL FLOW	LOW
2961	RCP 2B LUBE OIL FLOW	LOW
2962	RCP 1B LUBE OIL FLOW	LOW
2963	RCP 1A FLOW THERM	TEMP
2964	RCP 2A FLOW THERM	TEMP
2965	RCP 2B FLOW THERM	TEMP
2966	RCP 1B FLOW THERM	TEMP
2967	RCP 1A OIL LIFT PMP 2B GROSS PRESS	LOW
2968	RCP 2A OIL LIFT PMP 2B GROSS PRESS	LOW
2969	RCP 2B OIL LIFT PMP 2B GROSS PRESS	LOW
2970	RCP 1B OIL LIFT PMP 2B GROSS PRESS	LOW
2971	RCP 1A FULL SPEED	NORM
2972	RCP 2A FULL SPEED	LOW
2973	RCP 2B FULL SPEED	LOW
2974	RCP 1B FULL SPEED	LOW
2975	RCP 1A BACKSTOP OIL FLOW	LOW
2976	RCP 2A BACKSTOP OIL FLOW	LOW
2977	RCP 2B BACKSTOP OIL FLOW	LOW
2978	RCP 1B BACKSTOP OIL FLOW	LOW

POOR ORIGINAL

2355	RC PUMP 1A SEAL LEAK TK LVL	NORM
2356	RC PUMP 2A SEAL LEAK TK LVL	NORM
2357	RC PUMP 2B SEAL LEAK TK LVL	NORM
2358	RC PUMP 1B SEAL LEAK TK LVL	NORM
2359	RCP 1A LUBE OIL FLOW	LOW
2360	RCP 2A LUBE OIL FLOW	LOW
2361	RCP 2B LUBE OIL FLOW	LOW
2362	RCP 1B LUBE OIL FLOW	LOW
2363	RCP 1A PUMP TRIPPED	TRIP
2364	RCP 2A PUMP TRIPPED	TRIP
2365	RCP 2B PUMP TRIPPED	TRIP
2366	RCP 1B PUMP TRIPPED	TRIP
2367	RCP 1A OIL LIFT PIP OSCING PRESS	LOW
2368	RCP 2A OIL LIFT PIP OSCING PRESS	LOW
2369	RCP 2B OIL LIFT PIP OSCING PRESS	LOW
2370	RCP 1B OIL LIFT PIP OSCING PRESS	LOW
2371	RCP 1A FULL SPEED	NORM
2372	RCP 2A FULL SPEED	LOW
2373	RCP 2B FULL SPEED	LOW
2374	RCP 1B FULL SPEED	LOW
2375	RCP 1A BACKSTOP OIL FLOW	LOW
2376	RCP 2A BACKSTOP OIL FLOW	LOW
2377	RCP 2B BACKSTOP OIL FLOW	LOW
2378	RCP 1B BACKSTOP OIL FLOW	LOW
2379	RCP 1A UPPER OIL POT LVL 1	NORM
2380	RCP 2A UPPER OIL POT LVL 1	NORM
2381	RCP 2B UPPER OIL POT LVL 1	NORM
2382	RCP 1A UPPER OIL POT LVL 2	NORM
2383	RCP 2A UPPER OIL POT LVL 2	NORM
2384	RCP 2B UPPER OIL POT LVL 2	NORM
2385	RCP 1B UPPER OIL POT LVL 1	NORM
2386	RCP 1B UPPER OIL POT LVL 2	NORM
2387	RCP 1A LOWER OIL POT LVL 3	NORM
2388	RCP 2A LOWER OIL POT LVL 3	NORM
2389	RCP 2B LOWER OIL POT LVL 3	NORM
2390	RCP 1B LOWER OIL POT LVL 3	NORM
2391	RCP 1A LOWER OIL POT LVL 4	NORM
2392	RCP 2A LOWER OIL POT LVL 4	NORM
2393	RCP 2B LOWER OIL POT LVL 4	NORM
2394	RCP 1B LOWER OIL POT LVL 4	NORM
2395	RCP 1A VIBASWITCH	NORM
2396	RCP 2A VIBASWITCH	NORM
2397	RCP 2B VIBASWITCH	NORM
2398	RCP 1B VIBASWITCH	NORM
2399	RCP 1A WATER LEAKAGE	NORM
2400	RCP 2A WATER LEAKAGE	NORM
2401	RCP 2B WATER LEAKAGE	NORM
2402	RCP 1B WATER LEAKAGE	NORM

POOR ORIGINAL

04:52:00 GROUP TREND

OPERATOR GROUP C

	2401	2404	2383	2325	2501	2508	2511	2518	2519	2523	2530
04:52:33	257.4	274.3	1063.	283.8	331.6	370.7	521.7	522.1	472.2	232.8	231.8
04:52:55	257.6	274.3	1063.	283.8	331.6	370.7	521.7	527.8	479.0	232.8	231.8
04:54:55	257.6	274.3	1063.	284.0	332.3	370.3	521.1	521.4	473.0	233.3	231.5
04:56:55	257.6	274.3	1063.	283.5	332.5	370.1	519.1	536.7	460.7	232.6	231.8

07:25:33 GROUP TREND
OPERATOR GROUP C

07:25:34

07:26:33

07:27:32

GROUP 11

07:27:37

03/30/79

OPERATOR SPECIAL SUMMARY A

0405	RC PRESSURIZER SPRAY LINE TEMP	249.6
0790	RC PUMP 2B SEAL WTR TEMP	89.0
0789	RC PUMP 1B SEAL WTR TEMP	88.8
0788	RC PUMP 2A SEAL WTR TEMP	88.8
0787	RC PUMP 1A SEAL WTR TEMP	84.5
1002	PLVL RC PRESSURIZER LVL (INH2O)	359.6
0503	1A INCORE T/C 5-K TEMP	285.1
0307	RC LOOP B INLET TEMP WIDE 2	273.3
0474	SP STM GEN B STM PRESS	23.
0473	SP STM GEN A STM PRESS	28.
1733	TSAT STEAM SATURATION TEMP	534.6
1720	WCHR HEAT/COOL RATE (DEGF/HR)	- 2.0
0401	RC PRESSURIZER SURGE LINE TEMP	250.7
0308	RC LOOP A WIDE RANGE PRESS	1032.
0304	RC LOOP A INLET TEMP WIDE 2	273.8
0303	RC PRESSURIZER TEMP	559.4

07:28:55 GROUP TREND
OPERATOR GROUP C

07:28:56

07:29:11 DATA 0347 MU TANK LEVEL (INH2O)

7.

GROUP 12

07:29:44

03/30/79

OPERATOR SPECIAL SUMMARY B

0527	1A INCORE T/C 3-F TEMP	280.4
0526	1A INCORE T/C 4-E TEMP	282.0
0525	1A INCORE T/C 5-D TEMP	281.7
0524	1A INCORE T/C 6-C TEMP	285.8
0523	1A INCORE T/C 7-B TEMP	281.6
0522	1A INCORE T/C 8-B TEMP	285.6
0520	1A INCORE T/C 10-C TEMP	294.9
0519	1A INCORE T/C 10-D TEMP	658.6
0518	1A INCORE T/C 11-E TEMP	407.4
0517	1A INCORE T/C 11-G TEMP	379.0
0516	1A INCORE T/C 12-F TEMP	281.4
0515	1A INCORE T/C 13-F TEMP	278.1
0514	1A INCORE T/C 13-G TEMP	322.4
0513	1A INCORE T/C 13-H TEMP	273.9
0512	1A INCORE T/C 13-K TEMP	296.6
0511	1A INCORE T/C 11-K TEMP	474.7
0510	1A INCORE T/C 11-L TEMP	282.1

POOR ORIGINAL

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0511	IM INCORE T/C	11-S TEMP	282.1
0510	IM INCORE T/C	11-L TEMP	325.8
0509	IM INCORE T/C	10-H TEMP	366.9
0508	IM INCORE T/C	9-H TEMP	231.9
0507	IM INCORE T/C	9-H TEMP	368.0
0506	IM INCORE T/C	8-H TEMP	291.3
0505	IM INCORE T/C	7-H TEMP	284.8
0503	IM INCORE T/C	5-K TEMP	299.7
0502	IM INCORE T/C	5-H TEMP	331.3
0501	IM INCORE T/C	5-G TEMP	321.1
0499	IM INCORE T/C	6-G TEMP	291.1
0498	IM INCORE T/C	7-F TEMP	515.6
0497	IM INCORE T/C	9-E TEMP	207.8
0496	IM INCORE T/C	8-F TEMP	401.1
0495	IM INCORE T/C	9-G TEMP	372.7
0494	IM INCORE T/C	9-H TEMP	-???.?
0493	IM INCORE T/C	8-H TEMP	

07:32:18	DATA	0499	IM INCORE T/C	7-E TEMP	403.3
07:32:26	DATA	0504	IM INCORE T/C	6-L TEMP	235.0
07:32:34	DATA	0521	IM INCORE T/C	9-C TEMP	309.1
07:32:41	DATA	0528	IM INCORE T/C	2-G TEMP	237.0
07:32:49	DATA	0529	IM INCORE T/C	1-H TEMP	281.2
07:32:57	DATA	0530	IM INCORE T/C	2-L TEMP	281.6
07:33:06	DATA	0531	IM INCORE T/C	3-L TEMP	280.9
07:33:13	DATA	0532	IM INCORE T/C	3-H TEMP	279.8
07:33:21	DATA	0533	IM INCORE T/C	4-H TEMP	281.6
07:33:29	DATA	0534	IM INCORE T/C	5-O TEMP	286.3
07:33:36	DATA	0535	IM INCORE T/C	6-O TEMP	283.2
07:33:46	DATA	0536	IM INCORE T/C	6-P TEMP	282.1
07:33:53	DATA	0537	IM INCORE T/C	7-R TEMP	281.5
07:34:01	DATA	0538	IM INCORE T/C	10-R TEMP	282.1
07:34:10	DATA	0538	IM INCORE T/C	10-R TEMP	282.2
07:34:18	DATA	0539	IM INCORE T/C	10-O TEMP	285.1
07:34:25	DATA	0540	IM INCORE T/C	12-O TEMP	232.6
07:34:33	DATA	0541	IM INCORE T/C	14-M TEMP	238.0
07:34:41	DATA	0541	IM INCORE T/C	14-H TEMP	287.7
07:34:50	DATA	0542	IM INCORE T/C	13-L TEMP	-???.?
07:35:12	DATA	0543	IM INCORE T/C	14-D TEMP	281.7
07:35:20	DATA	0544	IM INCORE T/C	13-C TEMP	282.4
07:35:30	ANTICIPATOR GROUP VALUE REVIEW				

WALHP SYSTEM

0551	WALHP PUMP OUTF HLR PRESS	19.4
0550	WALHP FLOW (GPM)	1.7
0547	WALHP LEVEL (INCH)	4.6
0546	UNSUBSTANT RTD SPARE	.1
0540	PWP P1A RADIAL BRG TEMP	66.2
0550	PWP P1B RADIAL BRG TEMP	130.2
0551	PWP P1C RADIAL BRG TEMP	66.3
0552	PWP P1A THRUST-RADIAL BRG TEMP	70.6
0553	PWP P1B THRUST-RADIAL BRG TEMP	145.8
0554	PWP P1C THRUST-RADIAL BRG TEMP	67.3
0555	PWP P1A GEAR BRG TEMP-PWP END	68.2
0556	PWP P1B GEAR BRG TEMP-PWP END	114.1
0557	PWP P1C GEAR BRG TEMP-PWP END	85.3
0558	PWP P1A GEAR BRG TEMP-CENTER PWP	68.2
0559	PWP P1B GEAR BRG TEMP-CENTER PWP	130.6
0560	PWP P1C GEAR BRG TEMP-CENTER PWP	65.0
0561	PWP P1A GEAR BRG TEMP-CENTER MTR	62.4
0562	PWP P1B GEAR BRG TEMP-CENTER MTR	123.0
0563	PWP P1C GEAR BRG TEMP-CENTER MTR	65.5

POOR ORIGINAL

493 - 1078.7 @ C500

POOR ORIGINAL

218 196

GROUP 12
0:11:28
5/30/79

GENERATOR SPECIAL SUMMARY B

517	IN	INCORE	T/C	3-F	TEMP	278.9
513	IN	INCORE	T/C	4-E	TEMP	280.5
515	IN	INCORE	T/C	5-D	TEMP	283.7
514	IN	INCORE	T/C	6-C	TEMP	284.9
523	IN	INCORE	T/C	7-B	TEMP	280.1
522	IN	INCORE	T/C	8-B	TEMP	284.1
510	IN	INCORE	T/C	10-C	TEMP	283.6
513	IN	INCORE	T/C	10-D	TEMP	283.5
519	IN	INCORE	T/C	11-E	TEMP	299.0
517	IN	INCORE	T/C	11-G	TEMP	301.6
516	IN	INCORE	T/C	12-F	TEMP	280.2
515	IN	INCORE	T/C	13-F	TEMP	282.8
514	IN	INCORE	T/C	13-G	TEMP	327.8
513	IN	INCORE	T/C	13-H	TEMP	287.5
512	IN	INCORE	T/C	12-K	TEMP	296.4
511	IN	INCORE	T/C	11-K	TEMP	405.4
510	IN	INCORE	T/C	11-L	TEMP	281.9
509	IN	INCORE	T/C	10-H	TEMP	328.7
508	IN	INCORE	T/C	9-H	TEMP	351.6
507	IN	INCORE	T/C	9-N	TEMP	280.6
506	IN	INCORE	T/C	8-N	TEMP	386.1
505	IN	INCORE	T/C	7-H	TEMP	280.0
503	IN	INCORE	T/C	5-K	TEMP	283.3
502	IN	INCORE	T/C	5-H	TEMP	304.9
501	IN	INCORE	T/C	5-G	TEMP	329.6
500	IN	INCORE	T/C	6-G	TEMP	322.7
498	IN	INCORE	T/C	7-F	TEMP	292.9
497	IN	INCORE	T/C	9-E	TEMP	509.7
496	IN	INCORE	T/C	8-F	TEMP	213.7
495	IN	INCORE	T/C	9-G	TEMP	421.7
494	IN	INCORE	T/C	9-H	TEMP	390.7
493	IN	INCORE	T/C	8-H	TEMP	-???.?

GROUP 13
0:14:10
5/30/79

GENERATOR SPECIAL SUMMARY C

500	IN	INCORE	T/C	2-L	TEMP	280.5
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0:14:07 DATA 0331 CA PHOSPHORIC ACID MIX TANK LVL (IN)

103.6

✓ DHV5 A shut
✓ MV suction for
MV Tank

08:30:34 GROUP TREND

OPERATOR GROUP C

	0401	0334	0338	0525	0501	0508	0511	0518	0519	0523	0530
08:30:56	286.4	273.8	1036.	281.8	331.7	352.7	430.3	410.0	450.3	281.1	280.9
08:31:34	286.8	273.8	1036.	281.6	331.4	352.1	430.1	410.4	450.1	281.3	281.0
08:32:34	286.3	273.8	1035.	282.1	331.1	350.9	430.9	410.6	449.9	281.9	281.2
08:33:34	286.4	273.8	1035.	282.1	330.7	349.4	430.3	410.2	449.7	281.5	281.0
08:34:34	287.2	273.9	1035.	282.1	330.3	350.1	430.4	411.4	449.5	281.1	281.0
08:35:34	286.3	273.9	1035.	281.9	330.3	349.2	430.9	410.9	449.7	281.3	281.0
08:36:34	286.4	274.0	1035.	282.1	329.5	352.1	430.8	413.0	449.8	281.6	281.2
08:37:34	287.6	274.0	1034.	282.5	330.3	351.7	437.4	409.6	449.5	281.4	281.0
08:38:36	286.6	274.0	1033.	282.2	330.6	351.3	438.3	408.6	449.6	281.7	280.9

08:39:14 GROUP TREND

OPERATOR GROUP C

	0401	0334	0338	0525	0501	0508	0511	0518	0519	0523	0530
08:39:41	286.6	274.0	1033.	282.0	330.6	350.2	438.5	408.8	448.6	281.9	281.3
08:40:15	288.9	274.1	1031.	282.6	331.2	347.0	434.9	408.7	448.3	281.8	281.5
08:41:14	292.8	273.6	1030.	282.4	331.9	343.6	436.7	408.5	448.9	281.8	281.3
08:42:15	300.3	273.3	1028.	282.5	330.9	350.3	438.3	408.9	450.1	281.0	280.5
08:43:16	302.4	273.3	1027.	282.5	331.5	352.1	434.2	408.5	448.7	280.9	280.7

08:00:00 03/30/73

GROUP 12

08:03:37

03/30/73

OPERATOR SPECIAL SUMMARY B

0527	14	INCORE T/C	3-F TEMP	279.2
0526	14	INCORE T/C	4-E TEMP	280.8
0525	14	INCORE T/C	5-D TEMP	282.4
0524	14	INCORE T/C	6-C TEMP	285.0
0523	14	INCORE T/C	7-D TEMP	281.2
0522	14	INCORE T/C	8-B TEMP	285.9
0520	14	INCORE T/C	10-C TEMP	284.3
0519	14	INCORE T/C	10-D TEMP	340.3
0518	14	INCORE T/C	11-E TEMP	400.3
0517	14	INCORE T/C	11-G TEMP	390.3
0516	14	INCORE T/C	12-F TEMP	281.0
0515	14	INCORE T/C	13-E TEMP	285.0
0514	14	INCORE T/C	13-G TEMP	323.5
0513	14	INCORE T/C	13-H TEMP	294.5
0512	14	INCORE T/C	12-K TEMP	301.0
0511	14	INCORE T/C	11-K TEMP	425.9
0510	14	INCORE T/C	11-L TEMP	283.6
0509	14	INCORE T/C	10-I TEMP	326.4
0508	14	INCORE T/C	9-H TEMP	350.9
0507	14	INCORE T/C	8-H TEMP	281.2
0506	14	INCORE T/C	8-A TEMP	286.8
0505	14	INCORE T/C	7-H TEMP	280.2
0503	14	INCORE T/C	5-K TEMP	284.1
0502	14	INCORE T/C	5-H TEMP	280.3
0501	14	INCORE T/C	5-G TEMP	331.7

POOR ORIGINAL

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0497	111	INCORE	T/C	0-E TEMP	510.9
0498	111	INCORE	T/C	3-F TEMP	222.0
0499	111	INCORE	T/C	3-G TEMP	413.6
0494	111	INCORE	T/C	3-H TEMP	342.2
0493	111	INCORE	T/C	0-H TEMP	-???.?

03:06:40	DATA	0520	111	INCORE T/C	2-G TEMP	288.0
03:06:47	DATA	0521	111	INCORE T/C	1-H TEMP	281.4
03:06:54	DATA	0530	111	INCORE T/C	2-L TEMP	280.6
03:07:01	DATA	0531	111	INCORE T/C	3-L TEMP	280.2
03:07:08	DATA	0532	111	INCORE T/C	3-H TEMP	279.7
03:07:15	DATA	0533	111	INCORE T/C	4-H TEMP	290.4
03:07:23	DATA	0534	111	INCORE T/C	5-O TEMP	284.3
03:07:31	DATA	0535	111	INCORE T/C	6-O TEMP	282.4
03:07:40	DATA	0535	111	INCORE T/C	6-P TEMP	281.6
03:07:49	DATA	0537	111	INCORE T/C	7-R TEMP	280.9
03:07:57	DATA	0538	111	INCORE T/C	10-R TEMP	281.3
03:08:05	DATA	0539	111	INCORE T/C	10-O TEMP	284.2
03:08:12	DATA	0540	111	INCORE T/C	12-O TEMP	281.6
03:08:20	DATA	0541	111	INCORE T/C	14-H TEMP	280.5
03:08:28	DATA	0542	111	INCORE T/C	13-L TEMP	-???.?
03:08:35	DATA	0543	111	INCORE T/C	14-D TEMP	281.0
03:08:45	DATA	0544	111	INCORE T/C	13-C TEMP	281.5

04:02:13
03:03:59
03/30/73

OPERATOR SPECIAL SUMMARY C

0401	RC	PRESSURIZER SURGE LINE TEMP	302.4			
0504	RC	LOOP A INLET TEMP WIDE 2	273.4			
0508	RC	LOOP A WIDE RANGE PRESS	1024.			
0525						
09:10:51	DATA	0493	111	INCORE T/C	0-H TEMP	-???.?
09:10:51	DATA	0158		MAKE-UP PUMP SUCT HDR PRESS		66.2
09:10:58	DATA	0159		LET DOWN PRESS		49.48
09:11:05	DATA	0160		RC PUMP SEAL WTR CLR OUT TEMP		93.4
09:11:12	DATA	0161		RC PUMP MAKE UP TANK TEMP		94.0
09:11:18	DATA	0346		NU LETDOWN FLOW (GPM)		1.7
09:11:25	DATA	0347		NU TANK LEVEL (INCHES)		45.1
09:11:45	DATA	0904		LETDOWN CLR 1A OUTLET		124.5
09:12:01	DATA	0905		LETDOWN CLR 1B OUTLET		115.6
09:12:15	DATA	0906		LETDOWN CLRS INLET		263.8
09:13:01	DATA	0185		RD SUMP LEVEL		5.900
09:13:19	DATA	1032		REACTOR COOLANT DRAIN TANK TEMP		158.8
09:13:50	DATA	0207		RC DRAIN TANK LEVEL (INCHES)		70.00
09:37:19				GROUP TREND		

OPERATOR GROUP C

	0401	0304	0393	0525	0501	0508	0511	0518	0519	0523	0530
09:37:39	353.7	275.2	1019.	283.8	331.8	363.0	409.0	404.7	449.3	283.1	282.0
09:40:20	285.3	277.0	1020.	286.5	332.5	366.3	471.3	401.1	451.0	286.2	285.4
09:47:19	278.2	280.8	1021.	289.4	333.6	369.2	465.9	415.0	451.2	289.1	287.0
09:52:22	282.1	279.7	1020.	288.4	334.5	370.2	472.8	414.3	450.7	287.6	285.3
09:51:27	DATA	0787		RC PUMP 1A SEAL WTR TEMP						120.9	
09:50:42	DATA	0788		RC PUMP 2A SEAL WTR TEMP						111.7	
09:50:40	DATA	0789		RC PUMP 1B SEAL WTR TEMP						111.5	
09:50:57	DATA	0790		RC PUMP 2B SEAL WTR TEMP						110.2	

ORIGINAL

03:57:47	345.9	278.3	1017.	287.3	334.3	370.7	413.3	452.0	286.8	285.3
03:58:37	DATA	0771	10 RCP 1A SEAL RET FLOW (GPM)							
03:58:45	DATA	0772	10 RCP 2A SEAL RET FLOW (GPM)							
03:58:52	DATA	0773	10 RCP 2B SEAL RET FLOW (GPM)							
03:58:53	DATA	0774	10 RCP 1B SEAL RET FLOW (GPM)							

10:00:00 03/30/73

10:02:20 GROUP TREND

OPERATOR GROUP C

	0401	0394	0392	0525	0501	0503	0511	0513	0519	0523	0530
10:02:47	345.9	278.5	1016.	287.5	333.3	370.0	414.4	414.6	451.6	286.4	285.3
10:07:20	345.2	278.7	1015.	287.3	334.4	365.3	413.9	413.9	452.0	286.8	285.8
10:08:37	ANNUNCIATOR GROUP ALARM REVIEW										

MISC SYSTEMS

340	0097	RB WIDE RANGE PRESS
LOW	0173	SF CLG PUMP 1B DISCH PRESS
LOW	0173	BOUNDED WTR PCVY PIP DISCH PRESS
LOW	0100	SPENT FUEL CLG PIP SF-P-1A DISCH
HIGH	0105	RB SUMP LEVEL
CONT	2650	RB AIR CLG FAN AH-E-11C
CONT	2654	LEAKAGE TRF PIP WDL-P-3A
CONT	2655	LEAKAGE TRF PIP WDL-P-9B
CONT	2726	RB SUMP PUMP WDL-P-2A
CONT	2727	RB SUMP PUMP WDL-P-2B
CONT	2728	RECUALRED BORIC ACID PIP WDS-P-3
CONT	2738	D-G ROOM AIR CPRSR DF-P-2A
CONT	2739	D-G ROOM AIR CPRSR DF-P-2B
CONT	2740	D-G ROOM AIR CPRSR DF-P-2C
CONT	2741	D-G ROOM AIR CPRSR DF-P-2D
CONT	3072	ISTR AIR CPRSR 1A-P-1B

10:11:00 ANNUNCIATOR GROUP VALUE REVIEW

COOLING WATER SYSTEMS

0042	NAT DFT CLG TWR 10 FL (GPM)	2.00
0103	CIRC WTR PUMP 1F DISCH PRESS	35.1
0104	CIRC WTR PUMP 1E DISCH PRESS	38.5
0105	CIRC WTR PUMP 1D DISCH PRESS	4.8
0106	CIRC WTR PUMP 1C DISCH PRESS	5.0
0107	CIRC WTR PUMP 1B DISCH PRESS	35.5
0108	CIRC WTR PUMP 1A DISCH PRESS	37.4
0113	DECAY HT CL CLG PIP 1A DISCH	21.3
0114	DECAY HT CL CLG PIP 1B DISCH	21.3
0150	WTR CLG PUMP SUCT PRESS	16.16
0151	WTR CLG PUMP DISCH PRESS	145.4
0162	WUC SVCE PIP 1A DISCH PRESS	.3
0163	WUC SVCE PIP 1B DISCH PRESS	17.2
0164	WUC SVCE PIP 1C DISCH PRESS	3.2
0165	WUC SVCE PIP 1D DISCH PRESS	17.6
0166	NS PIP 1A/1B HDR DISCH PRESS	14.3
0167	NS PIP 1C/1D HDR DISCH PRESS	15.0
0168	NS CL CLG PUMP SUCT HDR PRESS	23.16
0169	NS CL CLG PUMP DISCH HDR PRESS	91.8
0175	SEC SVCE PUMP SUCTION PRESS	36.45
0176	SEC SVCE PUMP DISCH PRESS	30.8
0177	SSCC WATER MTRK LEVEL	7.196
0181	SEC SVCE PUMP DISCH HDR PRESS	13.78
0184	STATION RIVER WATER DEL T	6.1
0200	RIVER WATER AMBIENT TEMP	46.4

POOR ORIGINAL

218-200

1000	NSCC INSTR AIR CPRSR & MOT 1A	76.0
1001	NSCC INSTR AIR CPRSR & MOT 1B	76.2
1002	NSCC WDS GAS CPRSR 1A SEAL CLR	51.9
1003	NSCC WDS GAS CPRSR 1B SEAL CLR	49.2
1004	NSCC RC-P-23 MOT AIR CLR	49.1
1005	NSCC RC-P-23 LWR BRG OCLR	52.2
1006	NSCC RC-P-23 UPR BRG OCLR TE1417	51.6
1007	NSCC RC-P-23 UPR BRG OCLR TE1418	49.7
1008	NSCC RC-P-13 MOT AIR CLR	50.0
1009	NSCC RC-P-13 LWR BRG OCLR	52.3
1010	NSCC RC-P-13 UPR BRG OCLR TE1421	49.2
1011	NSCC RC-P-13 UPR BRG OCLR TE1422	49.4
1012	NSCC RC-P-2A UPR BRG OCLR TE1423	52.7
1013	NSCC RC-P-2A UPR BRG OCLR TE1424	51.2
1014	NSCC RC-P-2A LWR BRG OCLR	53.0
1015	NSCC RC-P-2A MOT AIR CLR	51.1
1016	NSCC RC-P-1A UPR BRG OCLR TE1427	54.6
1017	NSCC RC-P-1A UPR BRG OCLR TE1428	54.9
1018	NSCC RC-P-1A LWR BRG OCLR	52.9
1019	NSCC RC-P-1A MOT AIR CLR	62.6
1026	WTR FROM SVCE AIR CPRSR SA-P-1A	50.6
1027	WTR FROM SVCE AIR CPRSR SA-P-1B	77.4
1575	CIRC WTR PWP 1A MOT OUTSD BRG	115.2
1576	CIRC WTR PWP 1A MOT WINDING	125.3
1577	CIRC WTR PWP 1A MOT INSD BRG	105.0
1578	CIRC WTR PWP 1A OUTSD BRG	107.9
1579	CIRC WTR PWP 1A INSD BRG	98.1
1580	CIRC WTR PWP 1A THR BRG	110.1
1581	CIRC WTR PWP 1B MOT OUTSD BRG	114.2
1582	CIRC WTR PWP 1B MOT WINDING	128.9
1583	CIRC WTR PWP 1B MOT INSD BRG	109.7
1584	CIRC WTR PWP 1B OUTSD BRG	124.3
1585	CIRC WTR PWP 1B INSD BRG	99.2
1586	CIRC WTR PWP 1B THR BRG	111.4
1587	CIRC WTR PWP 1C MOT OUTSD BRG	71.0
1588	CIRC WTR PWP 1C MOT WINDING	71.9
1589	CIRC WTR PWP 1C MOT INSD BRG	72.6
1590	CIRC WTR PWP 1C OUTSD BRG	64.1
1591	CIRC WTR PWP 1C INSD BRG	63.4
1592	CIRC WTR PWP 1C THR BRG	69.6
1593	CIRC WTR PWP 1D MOT OUTSD BRG	73.4
1594	CIRC WTR PWP 1D MOT WINDING	72.5
1595	CIRC WTR PWP 1D MOT INSD BRG	69.5
1596	CIRC WTR PWP 1D OUTSD BRG	60.7
1597	CIRC WTR PWP 1D INSD BRG	59.1
1598	CIRC WTR PWP 1D THR BRG	93.9
1599	CIRC WTR PWP 1E MOT OUTSD BRG	109.7
1600	CIRC WTR PWP 1E MOT WINDING	132.9
1601	CIRC WTR PWP 1E MOT INSD BRG	106.2
1602	CIRC WTR PWP 1E OUTSD BRG	108.7
1603	CIRC WTR PWP 1E INSD BRG	100.6
1604	CIRC WTR PWP 1E THR BRG	111.2
1605	CIRC WTR PWP 1F MOT OUTSD BRG	122.1
1606	CIRC WTR PWP 1F MOT WINDING	138.2
1607	CIRC WTR PWP 1F MOT INSD BRG	114.2
1608	CIRC WTR PWP 1F OUTSD BRG	117.2
1609	CIRC WTR PWP 1F INSD BRG	106.0
1610	CIRC WTR PWP 1F THR BRG	117.3
1611	CA-P-2A MOT INSD BRG	105.1
1612	CA-P-2A MOT OUTSD BRG	150.3
1614	CA-P-2B MOT INSD BRG	73.2
1615	CA-P-2B MOT OUTSD BRG	79.5

POOR ORIGINAL

218 201

1312	CM-P-2A NOT OUTBD BRG	73.3
1314	CM-P-2B NOT INBD BRG	73.2
1315	CM-P-2B NOT OUTBD BRG	79.5
1317	NR WTR PWP 1A THR BRG	60.7
1318	NR WTR PWP 1A NOT OUTBD BRG	72.6
1319	NR WTR PWP 1A NOT WINDING	73.1
1320	NR WTR PWP 1A NOT INBD BRG	65.1
1321	NR WTR PWP 1B THR BRG	115.6
1322	NR WTR PWP 1B NOT OUTBD BRG	114.9
1323	NR WTR PWP 1B NOT WINDING	173.3
1324	NR WTR PWP 1B NOT INBD BRG	127.9
1325	NR WTR PWP 1C THR BRG	61.6
1326	NR WTR PWP 1C NOT OUTBD BRG	71.8
1327	NR WTR PWP 1C NOT WINDING	72.3
1328	NR WTR PWP 1C NOT INBD BRG	73.9
1329	NR WTR PWP 1D THR BRG	115.3
1330	NR WTR PWP 1D NOT OUTBD BRG	107.6
1331	NR WTR PWP 1D NOT WINDING	170.3
1332	NR WTR PWP 1D NOT INBD BRG	128.5
2639	RB EMER CLG BSTR PWP RR-P-1A	NOVM
2640	RB EMER CLG BSTR PWP RR-P-1B	NOVM
2641	RB EMER CLG BSTR PWP RR-P-1C	NOVM
2642	RB EMER CLG BSTR PWP RR-P-1D	NOVM
F383	SCAN SPARE	
F383	SCAN SPARE	
2695	SEC SVCE RIVER WTR PWP SR-P-1A	NOVM
2696	SEC SVCE RIVER WTR PWP SR-P-1B	TRIP
2697	SEC SVCE RIVER WTR PWP SR-P-1C	NOVM
2710	SEC SVCE CL CLG WTR PWP SC-P-1A	NOVM
2720	SEC SVCE CL CLG WTR PWP SC-P-1B	NOVM
2721	SEC SVCE CL CLG WTR PWP SC-P-1C	NOVM
2723	NS NORMAL CLG WTR PWP RD-P-1A	NOVM
2730	RB NORMAL CLG WTR PWP RD-P-1B	NOVM
2735	NSC SVCE CL CLG WTR PWP NS-P-1A	NOVM
2736	NSC SVCE CL CLG WTR PWP NS-P-1B	NOVM
2737	NSC SVCE CL CLG WTR PWP NS-P-1C	NOVM
2742	MECH DFT CLG THR CM PWP CM-P-2A	NOVM
2743	MECH DFT CLG THR CM PWP CM-P-2B	NOVM
2744	NSC SVCE RIVER WTR PWP NR-P-1A	NOVM
2745	NSC SVCE RIVER WTR PWP NR-P-1B	NOVM
2746	NSC SVCE RIVER WTR PWP NR-P-1C	NOVM
2747	NSC SVCE RIVER WTR PWP NR-P-1D	NOVM
3098	CIRC WTR PWP CM-P-1A	NOVM
3099	CIRC WTR PWP CM-P-1B	NOVM
3100	CIRC WTR PWP CM-P-1C	NOVM
3101	CIRC WTR PWP CM-P-1D	NOVM
3102	CIRC WTR PWP CM-P-1E	NOVM
3103	CIRC WTR PWP CM-P-1F	NOVM
3229	SEC SVCE RIVER WTR PWP SR-P-1A	ON
3230	SEC SVCE RIVER WTR PWP SR-P-1B	OFF
3231	SEC SVCE RIVER WTR PWP SR-P-1C	ON
3233	SEC SVCE CL CLG WTR PWP SC-P-1A	OFF
3239	SEC SVCE CL CLG WTR PWP SC-P-1B	ON
3240	SEC SVCE CL CLG WTR PWP SC-P-1C	ON
3252	CIRC WTR PWP CM-P-1A	ON
3253	CIRC WTR PWP CM-P-1B	ON
3254	CIRC WTR PWP CM-P-1C	OFF
3255	CIRC WTR PWP CM-P-1D	OFF
3256	CIRC WTR PWP CM-P-1E	ON
3257	CIRC WTR PWP CM-P-1F	ON
3260	NSC SVCE RIVER WTR PWP NR-P-1A	OFF
3261	NSC SVCE RIVER WTR PWP NR-P-1B	ON
3262	NSC SVCE RIVER WTR PWP NR-P-1C	OFF

POOR ORIGINAL

218 202

3201	NJC SVCE RIVER WTR P&P NR-P-13	ON
3202	NJC SVCE RIVER WTR P&P NR-P-1C	OFF
3203	NJC SVCE RIVER WTR P&P NR-P-1D	ON

10:22:16 GROUP TREND

OPERATOR GROUP C

	0401	0504	0303	0525	0501	0508	0511	0518	0519	0523	0530
10:22:40	314.4	281.2	1014.	288.8	336.7	365.0	462.2	415.3	052.3	284.3	288.3
10:23:01	314.4	281.2	1014.	288.8	337.0	364.1	462.2	416.2	052.5	289.6	288.3
10:23:21	ANNUNCIATOR GROUP LIMIT REVIEW					HIGH			LOW		

COOLING WATER SYSTEMS

0042	NAT DFT CLG TWR MU FL(GPM)	99.99/-	.16	-99.99/	.16
0103	CIRC WTR PUMP 1F DISCH PRESS	999.9/-	1.0	30.0/	1.0
0104	CIRC WTR PUMP 1E DISCH PRESS	999.9/-	1.0	30.0/	1.0
0105	CIRC WTR PUMP 1D DISCH PRESS	999.9/-	1.0	30.0/	1.0
0106	CIRC WTR PUMP 1C DISCH PRESS	999.9/-	1.0	30.0/	1.0
0107	CIRC WTR PUMP 1B DISCH PRESS	999.9/-	1.0	30.0/	1.0
0108	CIRC WTR PUMP 1A DISCH PRESS	999.9/-	1.0	30.0/	1.0
0113	DECAY HT CL CLG P&P 1A DISCH	999.9/-	1.0	30.0/	1.0
0114	DECAY HT CL CLG P&P 1B DISCH	999.9/-	1.0	30.0/	1.0
0150	INTER CLG PUMP SUCT PRESS	99.99/-	.30	10.00/	.30
0151	INTER CLG PUMP DISCH PRESS	999.9/-	1.6	115.0/	1.6
0162	NJC SVCE P&P 1A DISCH PRESS	999.9/-	1.0	7.5/	1.0
0163	NJC SVCE P&P 1B DISCH PRESS	999.9/-	1.0	7.5/	1.0
0164	NJC SVCE P&P 1C DISCH PRESS	999.9/-	1.0	7.5/	1.0
0165	NJC SVCE P&P 1D DISCH PRESS	999.9/-	1.0	7.5/	1.0
0166	NS P&P 1A/1B HDR DISCH PRESS	999.9/-	1.0	7.5/	1.0
0167	NS P&P 1C/1D HDR DISCH PRESS	999.9/-	1.0	7.5/	1.0
0168	NS CL CLG PUMP SUCT HDR PRESS	99.99/-	.30	10.00/	.30
0169	NS CL CLG PUMP DISCH HDR PRESS	999.9/-	1.0	65.0/	1.0
0175	SEC SVCE PUMP SUCTION PRESS	99.99/-	.60	25.00/	.60
0176	SEC SVCE PUMP DISCH PRESS	999.9/-	1.0	65.0/	1.0
0177	SSCC WATER HDTK LEVEL	6.330/-	.080	2.100/	.080
0181	SEC SVCE PUMP DISCH HDR PRESS	99.99/-	.60	6.50/	.60
0184	STATION RIVER WATER DEL T	7.0/-	.2	- 3.0/	.2
0206	RIVER WATER AMBIENT TEMP	999.9/-	9.1	-999.9/	9.0
0999	NSCC RC EVAP OUT TEMP	105.0/-	1.5	-999.9/	1.5
1000	NSCC INSTR AIR CPRSR & HOT 1A	105.0/-	1.5	-999.9/	1.5
1001	NSCC INSTR AIR CPRSR & HOT 1B	105.0/-	1.5	-999.9/	1.5
1002	NSCC WDS GAS CPRSR 1A SEAL CLR	105.0/-	1.5	-999.9/	1.5
1003	NSCC WDS GAS CPRSR 1B SEAL CLR	105.0/-	1.5	-999.9/	1.5
1004	NSCC RC-P-2B HOT AIR CLR	160.0/-	2.0	-999.9/	2.0
1005	NSCC RC-P-2B LWR BRG OCLR	160.0/-	2.0	-999.9/	2.0
1006	NSCC RC-P-2B UPR BRG OCLR TE1417	160.0/-	2.0	-999.9/	2.0
1007	NSCC RC-P-2B UPR BRG OCLR TE1418	160.0/-	2.0	-999.9/	2.0
1008	NSCC RC-P-1B HOT AIR CLR	160.0/-	2.0	-999.9/	2.0
1009	NSCC RC-P-1B LWR BRG OCLR	160.0/-	2.0	-999.9/	2.0
1010	NSCC RC-P-1B UPR BRG OCLR TE1421	160.0/-	2.0	-999.9/	2.0
1011	NSCC RC-P-1B UPR BRG OCLR TE1422	160.0/-	2.0	-999.9/	2.0
1012	NSCC RC-P-2A UPR BRG OCLR TE1423	160.0/-	2.0	-999.9/	2.0
1013	NSCC RC-P-2A UPR BRG OCLR TE1424	160.0/-	2.0	-999.9/	2.0
1014	NSCC RC-P-2A LWR BRG OCLR	160.0/-	2.0	-999.9/	2.0
1015	NSCC RC-P-2A HOT AIR CLR	160.0/-	2.0	-999.9/	2.0
1016	NSCC RC-P-1A UPR BRG OCLR TE1427	160.0/-	2.0	-999.9/	2.0
1017	NSCC RC-P-1A UPR BRG OCLR TE1428	160.0/-	2.0	-999.9/	2.0
1018	NSCC RC-P-1A LWR BRG OCLR	160.0/-	2.0	-999.9/	2.0
1019	NSCC RC-P-1A HOT AIR CLR	160.0/-	2.0	-999.9/	2.0
1026	WTR FROM SVCE AIR CPRSR SA-P-1A	150.0/-	2.0	-999.9/	2.0
1027	WTR FROM SVCE AIR CPRSR SA-P-1B	150.0/-	2.0	-999.9/	2.0
1575	CIRC WTR P&P 1A HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1576	CIRC WTR P&P 1A HOT INBD BRG	220.0/-	4.0	-999.9/	4.0

POOR ORIGINAL

218 2

1018	NSCC RC-P-1A LTR BRG OULR	150.0/-	4.0	-999.9/	4.0
1019	NSCC RC-P-1A HOT AIR CLR	160.0/-	2.0	-999.9/	2.0
1026	WTR FROM SVCE AIR CPRSR SA-P-1A	150.0/-	2.0	-999.9/	2.0
1027	WTR FROM SVCE AIR CPRSR SA-P-1B	150.0/-	2.0	-999.9/	2.0
1575	CIRC WTR PIP 1A HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1576	CIRC WTR PIP 1A HOT WINDING	220.0/-	4.0	-999.9/	4.0
1577	CIRC WTR PIP 1A HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1578	CIRC WTR PIP 1A OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1579	CIRC WTR PIP 1A INBD BRG	180.0/-	1.5	-999.9/	1.5
1580	CIRC WTR PIP 1A THR BRG	180.0/-	1.5	-999.9/	1.5
1581	CIRC WTR PIP 1B HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1582	CIRC WTR PIP 1B HOT WINDING	220.0/-	4.0	-999.9/	4.0
1583	CIRC WTR PIP 1B HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1584	CIRC WTR PIP 1B OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1585	CIRC WTR PIP 1B INBD BRG	180.0/-	1.5	-999.9/	1.5
1586	CIRC WTR PIP 1B THR BRG	180.0/-	1.5	-999.9/	1.5
1587	CIRC WTR PIP 1C HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1588	CIRC WTR PIP 1C HOT WINDING	220.0/-	4.0	-999.9/	4.0
1589	CIRC WTR PIP 1C HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1590	CIRC WTR PIP 1C OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1591	CIRC WTR PIP 1C INBD BRG	180.0/-	1.5	-999.9/	1.5
1592	CIRC WTR PIP 1C THR BRG	180.0/-	1.5	-999.9/	1.5
1593	CIRC WTR PIP 1D HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1594	CIRC WTR PIP 1D HOT WINDING	220.0/-	4.0	-999.9/	4.0
1595	CIRC WTR PIP 1D HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1596	CIRC WTR PIP 1D OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1597	CIRC WTR PIP 1D INBD BRG	180.0/-	1.5	-999.9/	1.5
1598	CIRC WTR PIP 1D THR BRG	180.0/-	1.5	-999.9/	1.5
1599	CIRC WTR PIP 1E HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1600	CIRC WTR PIP 1E HOT WINDING	220.0/-	4.0	-999.9/	4.0
1601	CIRC WTR PIP 1E HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1602	CIRC WTR PIP 1E OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1603	CIRC WTR PIP 1E INBD BRG	180.0/-	1.5	-999.9/	1.5
1604	CIRC WTR PIP 1E THR BRG	180.0/-	1.5	-999.9/	1.5
1605	CIRC WTR PIP 1F HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1606	CIRC WTR PIP 1F HOT WINDING	220.0/-	4.0	-999.9/	4.0
1607	CIRC WTR PIP 1F HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1608	CIRC WTR PIP 1F OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1609	CIRC WTR PIP 1F INBD BRG	180.0/-	1.5	-999.9/	1.5
1610	CIRC WTR PIP 1F THR BRG	180.0/-	1.5	-999.9/	1.5
1611	CA-P-2A HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1612	CA-P-2A HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1614	CA-P-2B HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1615	CA-P-2B HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1617	NR WTR PIP 1A THR BRG	180.0/-	1.5	-999.9/	1.5
1618	NR WTR PIP 1A HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1619	NR WTR PIP 1A HOT WINDING	220.0/-	4.0	-999.9/	4.0
1620	NR WTR PIP 1A HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1621	NR WTR PIP 1B THR BRG	180.0/-	1.5	-999.9/	1.5
1622	NR WTR PIP 1B HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1623	NR WTR PIP 1B HOT WINDING	220.0/-	4.0	-999.9/	4.0
1624	NR WTR PIP 1B HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1625	NR WTR PIP 1C THR BRG	180.0/-	1.5	-999.9/	1.5
1626	NR WTR PIP 1C HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1627	NR WTR PIP 1C HOT WINDING	220.0/-	4.0	-999.9/	4.0
1628	NR WTR PIP 1C HOT INBD BRG	180.0/-	1.5	-999.9/	1.5
1629	NR WTR PIP 1D THR BRG	180.0/-	1.5	-999.9/	1.5
1630	NR WTR PIP 1D HOT OUTBD BRG	180.0/-	1.5	-999.9/	1.5
1631	NR WTR PIP 1D HOT WINDING	220.0/-	4.0	-999.9/	4.0
1632	NR WTR PIP 1D HOT INBD BRG	180.0/-	1.5	-999.9/	1.5

POOR ORIGINAL

1957:25 GROUP TRED

OPERATOR GROUP C

218-20

1610	NR WTR P&P 1A NOT WINDING	220.0/-	4.0	-999.9/	4.0
1620	NR WTR P&P 1A NOT INSD BRG	180.0/-	1.5	-999.9/	1.5
1621	NR WTR P&P 1B THR BRG	180.0/-	1.5	-999.9/	1.5
1622	NR WTR P&P 1B NOT OUTSD BRG	180.0/-	1.5	-999.9/	1.5
1623	NR WTR P&P 1B NOT WINDING	220.0/-	4.0	-999.9/	4.0
1624	NR WTR P&P 1B NOT INSD BRG	180.0/-	1.5	-999.9/	1.5
1625	NR WTR P&P 1C THR BRG	180.0/-	1.5	-999.9/	1.5
1626	NR WTR P&P 1C NOT OUTSD BRG	180.0/-	1.5	-999.9/	1.5
1627	NR WTR P&P 1C NOT WINDING	220.0/-	4.0	-999.9/	4.0
1628	NR WTR P&P 1C NOT INSD BRG	180.0/-	1.5	-999.9/	1.5
1629	NR WTR P&P 1D THR BRG	180.0/-	1.5	-999.9/	1.5
1630	NR WTR P&P 1D NOT OUTSD BRG	180.0/-	1.5	-999.9/	1.5
1631	NR WTR P&P 1D NOT WINDING	220.0/-	4.0	-999.9/	4.0
1632	NR WTR P&P 1D NOT INSD BRG	180.0/-	1.5	-999.9/	1.5

10:57:26 GROUP TREND

OPERATOR GROUP C

	0401	0394	0398	0525	0501	0508	0511	0518	0519	0523	0530
10:57:53	353.7	281.5	1011.	289.5	337.3	354.2	465.4	415.6	452.2	289.4	288.5
10:52:13	339.0	281.1	1010.	288.8	337.2	353.5	460.7	415.7	451.9	289.1	288.1
10:45:00	DATA	1527	CHDS P&P 1B NOT WINDING						138.4		

10:47:13 GROUP TREND

OPERATOR GROUP C

	0401	0394	0398	0525	0501	0508	0511	0518	0519	0523	0530
10:47:33	417.3	280.7	1008.	289.1	337.3	354.2	461.6	417.2	451.3	288.3	287.8
10:52:13	435.6	280.4	1009.	288.4	337.3	354.3	459.4	415.6	452.0	288.6	287.5
10:57:20	452.1	280.5	1013.	288.7	337.3	354.1	464.5	418.6	452.6	288.3	287.3

POOR ORIGINAL

11:00:23	DATA	1060	FLUX	3-H LEVEL 1 (TANWA:PS)	-7777
11:00:31	DATA	1061	FLUX	3-H LEVEL 2 (TANWA:PS)	-7777
11:00:32	DATA	540			
11:00:41	DATA	1003	13STG EV WTR B PERF(DRAIN CLR)		4.5
11:00:48	DATA	1004	14STG EV WTR A PERF(DRAIN CLR)		4
11:00:54	DATA	1005	14STG EV WTR B PERF(DRAIN CLR)		6

POOR ORIGINAL

GROUP 44
11:04:18
05/30/79

218 206

UNCONNECTED SPIRIT STRING 01 ALL LEVELS IN MANUA PS 03:50:32 03/20/79

GROUP 4-0

1 555

11:00:22 DATA 1003 13STG FLTR 3 PERF(DIAGN CLR) 4.5

POOR ORIGINAL

11:11:23 DATA 1001 FLUX C-H LEVEL 2 (CINEMA IPS) -?????
11:11:31 DATA 1002 FLUX C-H LEVEL 3 (CINEMA IPS) -?????

218 207

	DATA	1498	T-G JHL BRG NO 2 METAL TEMP	107.7
12:00:02	DATA	1499	T-G JHL BRG NO 3 METAL TEMP	110.1
12:00:10	DATA	1500	T-G JHL BRG NO 4 METAL TEMP	109.1

12:00:17 03/30/79

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POOR ORIGINAL

218 203

0527	IM INCORE T/C	3-F TEMP	285.7
0523	IM INCORE T/C	4-E TEMP	286.6
0525	IM INCORE T/C	5-D TEMP	289.0
0524	IM INCORE T/C	6-C TEMP	291.0
0523	IM INCORE T/C	7-B TEMP	285.3
0522	IM INCORE T/C	8-B TEMP	291.3
0520	IM INCORE T/C	10-C TEMP	290.7
0519	IM INCORE T/C	10-D TEMP	620.9
0518	IM INCORE T/C	11-E TEMP	333.0
0517	IM INCORE T/C	11-G TEMP	359.2
0516	IM INCORE T/C	12-F TEMP	290.7
0515	IM INCORE T/C	13-F TEMP	289.8
0514	IM INCORE T/C	13-G TEMP	330.1
0513	IM INCORE T/C	13-H TEMP	287.6
0512	IM INCORE T/C	12-K TEMP	293.7
0511	IM INCORE T/C	11-K TEMP	555.3
0510	IM INCORE T/C	11-L TEMP	284.7
0509	IM INCORE T/C	10-M TEMP	343.2
0508	IM INCORE T/C	9-M TEMP	396.5
0507	IM INCORE T/C	9-N TEMP	286.4
0506	IM INCORE T/C	3-N TEMP	376.3
0505	IM INCORE T/C	7-L TEMP	293.8
0503	IM INCORE T/C	5-K TEMP	283.6
0502	IM INCORE T/C	5-H TEMP	319.2
0501	IM INCORE T/C	5-G TEMP	333.4
0500	IM INCORE T/C	6-G TEMP	323.6
0498	IM INCORE T/C	7-F TEMP	310.3
0497	IM INCORE T/C	9-E TEMP	562.3
0496	IM INCORE T/C	8-F TEMP	292.3
0495	IM INCORE T/C	9-G TEMP	426.2
0494	IM INCORE T/C	9-H TEMP	345.2
0493	IM INCORE T/C	8-H TEMP	-???.?

POOR ORIGINAL

01:58:45 GROUP TREND
 OPERATOR GROUP C
 0401 0394 0398 0525 0501 0508 0511 0518 0519 0523 0530
 01:53:17 285.1 273.4 1048. 288.6 333.2 396.1 552.7 323.0 621.0 285.8 285.7
 01:59:55 285.1 273.4 1048. 288.8 333.4 395.9 552.2 321.2 621.0 285.8 285.3
 02:00:16 DATA 0523 IM INCORE T/C 2-G TEMP 292.0
 02:00:24 DATA 0529 IM INCORE T/C 1-H TEMP 286.0
 02:00:32 DATA 0530 IM INCORE T/C 2-L TEMP 285.3

02:00:41 GROUP TREND
 OPERATOR GROUP C
 0401 0394 0398 0525 0501 0508 0511 0518 0519 0523 0530
 02:01:10 284.8 278.3 1049. 287.5 333.4 395.9 554.2 315.0 620.5 285.6 285.9
 02:01:45 284.8 278.3 1049. 287.5 332.8 396.1 555.5 313.4 621.0 285.1 285.3
 02:02:06 DATA 0531 IM INCORE T/C 3-L TEMP 285.5
 02:02:13 DATA 0532 IM INCORE T/C 3-M TEMP 283.3
 02:02:21 DATA 0533 IM INCORE T/C 4-N TEMP 290.0
 02:02:29 DATA 0534 IM INCORE T/C 5-O TEMP 293.3
 02:02:36 DATA 0535 IM INCORE T/C 6-O TEMP 288.4

02:02:44 GROUP TREND
 OPERATOR GROUP C
 0401 0394 0398 0525 0501 0508 0511 0518 0519 0523 0530
 02:03:04 284.8 278.3 1049. 287.5 333.0 395.0 556.6 307.6 620.8 285.3 285.7
 02:03:34 DATA 0536 IM INCORE T/C 6-P TEMP 287.5
 02:03:43 GROUP TREND

OPERATOR GROUP C
 0401 0394 0398 0525 0501 0508 0511 0518 0519 0523 0530
 02:04:03 284.8 278.3 1049. 288.4 333.0 395.2 556.2 303.8 620.8 285.3 285.5
 02:04:06 DATA 0537 IM INCORE T/C 7-R TEMP 285.7
 02:04:41 GROUP TREND
 OPERATOR GROUP C

218 209