TEST #9

Unit 2 Turbine Perf. Tests

5/16/87 Sat. 415-615

600 MWg - 2nd VP

IP14_006538

EXH.PRESS 2.06 (H CORR -
0.6

TEST POINT 9 5-17-87 12:00PM

TEST LOAD 599283. TEST HR 7763.7

GROUP 1 CORRECTIONS

	DESIGN	TEST	HR	LOAD
TD(F)	-2.00	-4.72	0.9998	0.9972
EXTR DP(%)	3.00	0.70	0.9998	0.9973
AUX EXT(%)	4.44	3.68	0.9960	1.0040
MSD(#/HR)	0.0	0.	1.0000	1.0000
APH(%)	2.37	1.79	0.9967	1.0033
RHD(#/HR)	0.0	0.	1.0000	1.0000
COND SC(F)	0.0	-0.65	1.0000	1.0000
COMBINED FACTOR			0.9922	1.0019

GROUP 2 CORRECTIONS

	DESIGN	TEST	HR	LOAD
PT(PSIA)	2412.20	2393.30	1.0009	0.9917
TT(F)	1000.00	1008.80	0.9988	0.9991
THR(F)	1000.00	1001.60	0.9997	1.0008
DP RH(%)	10.00	7.85	0.9978	1.0054
P EXH(HG)	2.30	2.06	0.9936	1.0065
COMBINED FACTOR			0.9909	1.0034

CORR LOAD 596138. CORR HR 7896.5

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IP14_006539

ELECTRICAL LOAD

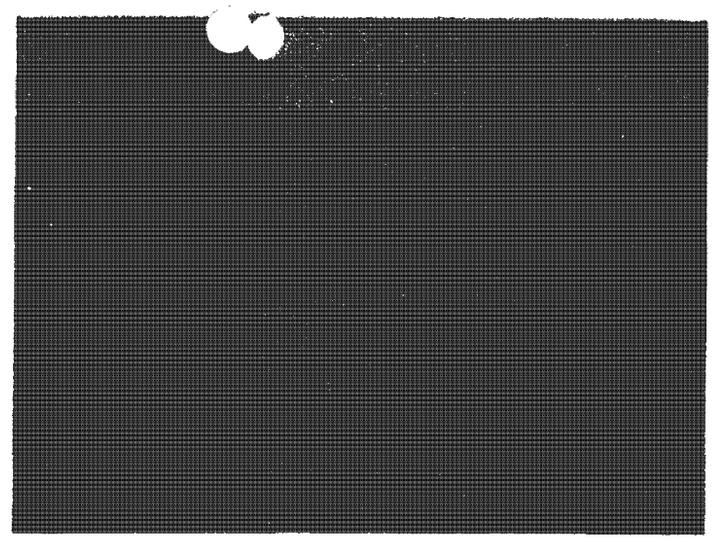
INTERMOUNTAIN POWER PROJECT
UNIT #2 TURBINE 270T151

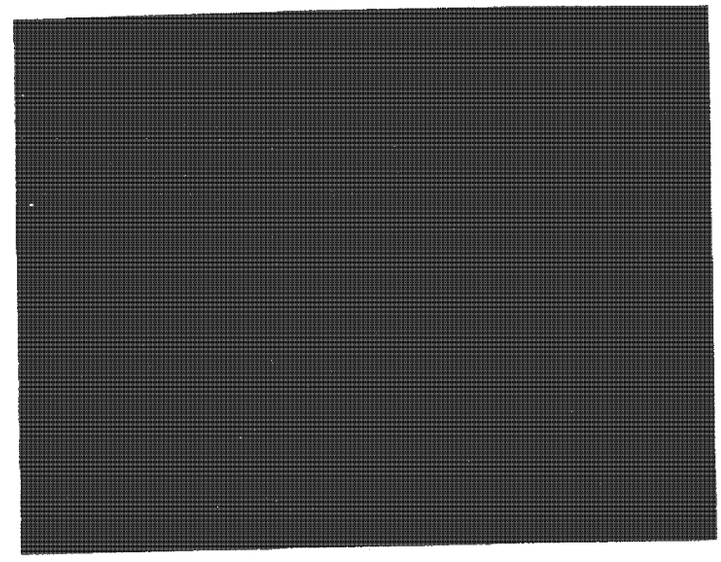
MEASUREMENT (CONTROL ROOM)

TEST POINT # 9
LOAD MWg 600MW (2nd VLV PT)
DATE 5/16/87
NAME R.L. SPAINHOUR

TIME HR/MIN/SEC	COUNTS A PHASE	COUNTS B PHASE	COUNTS C PHASE
03:30:00	0	0	0
03:45	00 1746	15 1770	30 1770
04:00:00	0	0	0
04:15:00	0	0	0
04:30	00 1752	15 1778	30 1779
04:45	3499	3494	3438
05:00	00 5263	15 5269	30 5213
05:15:00	7015	6990	6878
05:30	00 8781	15 8764	30 8652
05:45:00	10525	10478	10311
06:00	00 12271	15 12251	30 12084
06:15:00	14021	13968	13742

NOTE: TAKE PICTURES OF ELECTRICAL LOAD EVERY 15 MINUTES. RECORD VALUES FROM PICTURES TO THIS DATA SHEET.





INTERMOUNTAIN POWER PROJECT
UNIT #2 TURBINE Z70T151

Test Point #
MW g
Date 5-16-87
Observer Z LEWIS

CONDENSER HOT WELL LEVEL \ MEASUREMENT

TIME	C HOOD LEVEL	B HOOD LEVEL	A HOOD LEVEL
0330	13	10 9/16	
0345	12 7/8	10 3/8	
0400	12 3/4	10 3/8	
0415	12 3/4	10 1/4	
0430	12 5/8	10 1/4	
0445	12 1/2	10	
0500	12 1/2	9 3/4	
0515	12 1/4	9 3/4	
0530	12 1/4	9 3/4	
0545	12 1/8	9 1/2	
0600	12 1/8	9 1/2	
0615	12	9 1/2	

NOTE: READ HOT WELL LEVELS LOCALLY OF EACH CONDENSER EVERY 15 MINUETES.

INTERMOUNTAIN POWER PROJECT
UNIT #2 TURBINE 270T151

Test Point #
MW g
Date 5-16-87
Observer B. WARNER

DEARRATOR LEVEL

TIME	LEVEL LOW	LEVEL HIGH
0330	9.50	10.75
0345	9.75	10.50
0400	9.50	10.75
0415	9.75	10.75
0430	10.00	11.00
0445	10.00	11.00
0500	9.75	11.00
0515	10.00	11.00
0530	9.75	11.25
0545	9.75	11.50
0600	10.00	11.00
0615	9.75	11.25

NOTE: READ DEARRATOR LEVEL LOCALLY EVERY 15 MINUTES.

INTERMOUNTAIN POWER PROJECT
UNIT #2 TURBINE Z70T151

Test Point #_____
MW g _____
Date 5-16-87
Observer B. WARNER C. LEWIS

STEAM PACKING EXH DRAIN FLOW

TIME	TIME INCREMENT
0200	3:17.13
0210	3:15.59
0615	3:18.14
0620	3:15.72

Start recording time at low mark.
Stop recording at upper mark.

Distance between upper and lower marks. _____ (in)

Diameter of barrel. _____ (in)

NOTE: One half hour prior to each test take 2 sets of readings, and 2 sets of readings after the test. Do not measure during the test.

EQUIPMENT: STOPWATCH/BARREL/SUMP PUMP/EXTENSION CORD.

1554408
0000000
1050198
87468
1382589
0000000
0965599
80747
1231221
0000000
0858910
71792
1086586
0000000
0751963
62836
0934376
0000000
0645214
53881
0782734
0000000
0538197
44923
0638085
0000000
0431186
35967
0485050
0000000
0324034
27007
0307691
0000000
0216197
18045
0154686
0000000
0108673
09085

STOP
6:28

TP#9 2ND VP START 0400 HRS

TEST NO. 9 2nd VALVE POINT
MAY 16, 1987 600 MW

TIME	ATMOSPHERIC PRESSURE (In Hg)	TEMPERATURE F
3:37	25.41	72
4:02	25.40	72
4:16	25.41	72
5:17	25.40	72
6:22	25.40	72

TEST NO. 9 2nd VLV POINT
600 MW

MAY 16, 1987

BFPT INDIKON READINGS

	BFPT 1A			BFPT 1B		
TIME	SPEED	TORQUE	HP	SPEED	TORQUE	HP
3:32	4535	8050	6950	4576	8650	7540
3:47	4529	8040	6930	4573	8620	7520
4:01	4569	8120	7070	4514	8750	7690
4:16	4580	8160	7120	4619	8780	7710
4:31	4576	8150	7100	4618	8770	7720
4:47	4575	8120	7080	4623	8780	7730
5:01	4579	8130	7090	4618	8756	7700
5:16	4595	8270	7240	4629	8820	7780
5:31	4579	8190	7140	4614	8760	7700
5:47	4576	8150	7100	4623	8800	7750
6:01	4573	8120	7080	4618	8780	7720
6:17	4575	8150	7100	4624	8800	7750

Test #9 5/16/87

2VP

LAB Flow

Sample #2 Condensate Pump Discharge 1 l/14 sec + 100 ml/min

Sample #~~10~~ 8/9 ~~DEA~~ CND AFT GLD COND 1 l/35.5 sec + 100 ml/min

Sample #12 Boiler Water .5 l/50 sec + 200 ml/min

Conversion:

			@ Full stroke
pump stroke	ammonia	16	3 gal/hr
	hydrazine	17	rates 2.4 gal/hr

1 full stroke = 100

IP14_006548

UNDER SOFTWARE LOCK 05/16/87 03:34:53 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	597.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005D	30.51	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3882.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1007.	DEGF	THROTTLE TEMP		
SGGTE0004	1006.	DEGF	MAIN STEAM LINE T		
COAXI012A	2398.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2398.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1000.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	998.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	344.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3882.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3880.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.1	TPH	TOTAL FUEL FLOW		
COAXI080A	3.9	PCT	WEST FLUE GAS O2		
COAXI079A	4.4	PCT	EAST FLUE GAS O2		
COAXI083A	-.4	INWC	FURNACE PRESS		
SGAPT0171	-.3	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006549

UNDER SOFTWARE LOCK 05/16/87 03:35:16 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.9	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.0	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.357	LB/MB	STACK NOX CONVERTED		
SAAKK0002	441.	PPM	SCRUB INLET SO2		
SAAKK0004	16.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.2	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006550

UNDER SOFTWARE LOCK 05/16/87 03:50:23 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	596.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	.00	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3892.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1010.	DEGF	THROTTLE TEMP		
SGGTE0004	1010.	DEGF	MAIN STEAM LINE T		
COAXI012A	2399.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2400.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1004.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1000.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3892.	KPPH	FDW FLOW TO ECONOMIZER		
FWAET0025	3796	KPPH	BOILER FEEDWATER F		
COAXI001A	228.1	TPH	TOTAL FUEL FLOW		
COAXI008A	4.1	PCT	WEST FLUE GAS O2		
COAXI079A	5.0	PCT	EAST FLUE GAS O2		
COAXI003A	-.3	INWC	FURNACE PRESS		
SGAPT0171	-.5	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006551

UNDER SOFTWARE LOCK 05/16/87 03:50:43 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.9	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.1	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.360	LB/MB	STACK NOX CONVERTED		
SAAKK0002	443.	PPM	SCRUB INLET SO2		
SAAKK0004	16.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	82.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.6	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006552

UNDER SOFTWARE LOCK 05/16/87 04:04:11 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	596.	MW	UNIT LOAD		
APEKV0005	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	30.41	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3915.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1011.	DEGF	THROTTLE TEMP		
SGGTE0004	1010.	DEGF	MAIN STEAM LINE T		
COAXI012A	2398.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2398.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1006.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1003.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3915.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3814.	KPPH	BOILER-FEEDWATER F		
COAXI001A	228.8	TPH	TOTAL FUEL FLOW		
COAXI080A	4.4	PCT	WEST FLUE GAS O2		
COAXI079A	5.0	PCT	EAST FLUE GAS O2		
COAXI083A	-.3	INWC	FURNACE PRESS		
SGAPT0171	-.2	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006553

UNDER SOFTWARE LOCK 05/16/87 04:04:36 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.8	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.1	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.364	LB/MB	STACK NOX CONVERTED		
SAAKK0002	488.	PPM	SCRUB INLET SO2		
SAAKK0004	16.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	82.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.9	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006554

UNDER SOFTWARE LOCK 05/16/87 04:18:50 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	598.	MW	UNIT LOAD		
APEKW0005	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	30.35	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3976.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1010.	DEGF	THROTTLE TEMP		
SGGTE0004	1010.	DEGF	MAIN STEAM LINE T		
COAXI012A	2399.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2401.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1006.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1002.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	344.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3886.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3790.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.7	TPH	TOTAL FUEL FLOW		
[illegible]	[illegible]	PCT	WEST FLUE GAS O2		
COAXI079A	4.5	PCT	EAST FLUE GAS O2		
COAXI083A	-.3	INWC	FURNACE PRESS		
SGAPT0171	-.3	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006555

UNDER SOFTWARE LOCK 05/16/87 04:19:13 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.8	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.1	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.360	LB/MB	STACK NOX CONVERTED		
SAAKK0002	438.	PPM	SCRUB INLET SO2		
SAAKK0004	16.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	82.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.1	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006556

UNDER SOFTWARE LOCK 05/16/87 04:33:41 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	597.	MW	UNIT LOAD		
APEKY0005	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	30.45	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3910.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1007.	DEGF	THROTTLE TEMP		
SGGTE0004	1007.	DEGF	MAIN STEAM LINE T		
COAXI012A	2399.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2397.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1004.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1001.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	344.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3910.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3824.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.8	TPH	TOTAL FUEL FLOW		
COAXI080A	4.0	PCT	WEST FLUE GAS O2		
COAXI079A	4.8	PCT	EAST FLUE GAS O2		
COAXI083A	-.3	INWC	FURNACE PRESS		
SGAPT0171	-.5	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006557

UNDER SOFTWARE LOCK 05/16/87 04:34:00 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.0	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.1	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	294.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.357	LB/MB	STACK NOX CONVERTED		
SAAKK0002	434.	PPM	SCRUB INLET SO2		
SAAKK0004	16.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.9	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006558

UNDER SOFTWARE LOCK 05/16/87 04:49:52 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	598.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	29.64	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3878.	KPPH	STEAM FLOW (FW + SSF)		
COAXI013A	1013.	DEGF	THROTTLE TEMP		
SGGTE0004	1012.	DEGF	MAIN STEAM LINE T		
COAXI012A	2399.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2399.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1006.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1003.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3878.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3768.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.9	TPH	TOTAL FUEL FLOW		
COAXI080A	4.5	PCT	WEST FLUE GAS O2		
COAXI079A	4.6	PCT	EAST FLUE GAS O2		
COAXI083A	-.3	INWC	FURNACE PRESS		
SGAFT0171	-.3	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006559

UNDER SOFTWARE LOCK 05/16/87 04:58:11 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.1	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	294.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.361	LB/MB	STACK NOX CONVERTED		
SAAKK0002	434.	PPM	SCRUB INLET SO2		
SAAKK0004	17.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	82.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	181.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	183.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	63.5	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006560

UNDER SOFTWARE LOCK 05/16/87 05:04:38 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	599.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	29.20	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	4013.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1009.	DEGF	THROTTLE TEMP		
SGGTE0004	1009.	DEGF	MAIN STEAM LINE T		
COAXI012A	2402.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2403.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1006.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	1003.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	344.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	4013.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3925.	KPPH	BOILER FEEDWATER F		
COAXI001A	229.3	TPH	TOTAL FUEL FLOW		
COAXI080A	4.0	PCT	WEST FLUE GAS O2		
COAXI079A	4.4	PCT	EAST FLUE GAS O2		
COAXI083A	-.4	INWC	FURNACE PRESS		
SGAPT0171	-.4	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006561

UNDER SOFTWARE LOCK 05/16/87 05:04:50 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.2	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.357	LB/MB	STACK NOX CONVERTED		
SAAKK0002	434.	PPM	SCRUB INLET SO2		
SAAKK0004	17.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	82.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI070A	63.0	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006562

UNDER SOFTWARE LOCK 05/16/87 05:28:35 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	599.	MW	UNIT LOAD		
APEKV0005D	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005D	29.39	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3906.	KPPH	STEAM FLOW (FW + SSP)		
COAXI015A	1007.	DEGF	THROTTLE TEMP		
SGGTE0004	1006.	DEGF	MAIN STEAM LINE T		
COAXI012A	2404.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2405.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1001.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	997.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	344.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3906.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3792.	KPPH	BOILER FEEDWATER F		
COAXI001A	227.7	TPH	TOTAL FUEL FLOW		
COAXI080A	4.2	PCT	WEST FLUE GAS O2		
COAXI079A	4.4	PCT	EAST FLUE GAS O2		
COAXI003A	-.4	INWC	FURNACE PRESS		
SGAPT0171	-.5	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006563

UNDER SOFTWARE LOCK 05/16/87 05:28:57 [illegible]

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.2	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	292.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.344	LB/MB	STACK NOX CONVERTED		
SAAKK0002	435.	PPM	SCRUB INLET SO2		
SAAKK0004	18.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	99.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	103.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	62.1	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006564

[redacted]FTWARE LOCK 05/16/87 05:33:42 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	596.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	29.34	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3894.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1007.	DEGF	THROTTLE TEMP		
SGGTE0004	1007.	DEGF	MAIN STEAM LINE T		
COAXI012A	2399.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2401.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	999.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	996.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3894.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3882.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.8	TPH	TOTAL FUEL FLOW		
COAXI080A	3.8	PCT	WEST FLUE GAS O2		
COAXI079A	4.4	PCT	EAST FLUE GAS O2		
COAXI083A	-.4	INWC	FURNACE PRESS		
SGAPT0171	-.5	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_0065565

UNDER SOFTWARE LOCK 06/16/87 05:34:00 T1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.2	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGDTE0927	292.	DEGF	SEC AH 1A GAS OUT T		
SGDTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.346	LB/MB	STACK NOX CONVERTED		
SAAKK0002	434.	PPM	SCRUB INLET SO2		
SAAKK0004	19.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	102.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	61.9	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006566

UNDER SOFTWARE LOCK 05/16/87 05:49:23 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	597.	MW	UNIT LOAD		
APEKV0005	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	29.49	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3876.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1009.	DEGF	THROTTLE TEMP		
SGGTE0004	1009.	DEGF	MAIN STEAM LINE T		
COAXI012A	2398.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2398.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	999.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	997.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3876.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3778.	KPPH	BOILER FEEDWATER F		
COAXI001A	229.1	TPH	TOTAL FUEL FLOW		
COAXI080A	3.6	PCT	WEST FLUE GAS O2		
COAXI079A	4.8	PCT	EAST FLUE GAS O2		
COAXI083A	-.4	INWC	FURNACE PRESS		
SGAPT0171	-.5	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006567

UNDER SOFTWARE LOCK 05/16/87 05:40:44 PT-28

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.2	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	293.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.348	LB/MB	STACK NOX CONVERTED		
SAAKK0002	435.	PPM	SCRUB INLET SO2		
SAAKK0004	19.9	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	101.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	102.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	62.6	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006568

UNDER SOFTWARE LOCK 05/16/07 06:03:44 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	598.	MW	UNIT LOAD		
APEKV0005	[redacted]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005D	29.39	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3859.	KPPH	STEAM FLOW (FW + SSF)		
COAXI015A	1009.	DEGF	THROTTLE TEMP		
SGGTE0004	1010.	DEGF	MAIN STEAM LINE T		
COAXI012A	2402.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2403.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1000.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	998.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3859.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3768.	KPPH	BOILER FEEDWATER F		
COAXI001A	228.5	TPH	TOTAL FUEL FLOW		
COAXI080A	3.8	PCT	WEST FLUE GAS O2		
COAXI079A	4.9	PCT	EAST FLUE GAS O2		
COAXI083A	-.6	INWC	FURNACE PRESS		
SGAPT0171	-.6	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006569

UNDER SOFTWARE LOCK 05/16/87 06:04:07 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
HRAPT0112	.7	INHGA	HP COND 1A SHELL PR		
HRAPT0113	-.2	INHGA	IP COND 1B SHELL PR		
COAXI110A	1.9	INHGA	CONDENSER ABSOLUTE PRESSURE		
SGBTE0927	294.	DEGF	SEC AH 1A GAS OUT T		
SGBTE0929	269.	DEGF	SEC AH 1B GAS OUT T		
SAAKK0007	.349	LB/MB	STACK NOX CONVERTED		
SAAKK0002	434.	PPM	SCRUB INLET SO2		
SAAKK0004	20.8	PPM	STACK SO2		
HRCTE0377	81.	DEGF	IP COND 1B INLET T		
HRCTE0378	81.	DEGF	IP COND 1B INLET T		
HRCTE0379	81.	DEGF	LP COND 1C EAST INLET T		
HRCTE0380	81.	DEGF	LP COND 1C WEST INLET T		
HRCTE0389	98.	DEGF	IP COND 1B OUTLET T WEST		
HRCTE0394	97.	DEGF	IP COND 1B OUTLET T EAST		
HRCTE0397	181.	DEGF	HP COND 1A WEST OUTLET T		
HRCTE0401	182.	DEGF	HP COND 1A EAST OUTLET T		
COAXI078A	62.2	PCT	TOTAL AIR FLOW		

FORWARD PAGING DESK2

IP14_006570

UNDER SOFTWARE LOCK 05/16/87 06:20:39 F1-20

MEASUREMENT DISPLAY

UNIT 2 PERFORMANCE LOG

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
COAXI027A	597.	MW	UNIT LOAD		
APEKV0005	[illegible]	MW	AUX PWR USED	BYPASS	NO-IN
APEKK0005B	29.52	MW	TOTAL AUX POWER (ANALOG)		
COAXI023A	3882.	KPPH	STEAM FLOW (FW + SSP)		
COAXI015A	1010.	DEGF	THROTTLE TEMP		
SGGTE0004	1010.	DEGF	MAIN STEAM LINE T		
COAXI012A	2396.	PSIG	TURBINE THROTTLE PRESS		
SGGPT0001	2395.	PSIG	MAIN STEAM LINE PR		
SGJTE0013	1001.	DEGF	TURBINE N HOT REHEAT INLET T		
SGJTE0016	999.	DEGF	TURBINE S HOT REHEAT INLET T		
SGJPT0006	339.	PSIG	TURBINE N HOT REHEAT INLET PR		
SGJPT0007	341.	PSIG	TURBINE S HOT REHEAT INLET PR		
COAXI021A	3882.	KPPH	FDW FLOW TO ECONOMIZER		
FWAFT0025	3768.	KPPH	BOILER FEEDWATER F		
COAXI001A	229.6	TPH	TOTAL FUEL FLOW		
COAXI080A	3.3	PCT	WEST FLUE GAS O2		
COAXI079A	4.9	PCT	EAST FLUE GAS O2		
COAXI090A	-.5	INWC	FURNACE PRESS		
SGAPT0171	-.3	INWC	SG EAST FLUE GAS PR		

FORWARD PAGING DESK1

IP14_006571

BLR AUX TEST-3 05/16/87 03:32:16

02132304.	00343458.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

00006481.	00004960.	00007338.	00004981.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCH L/L < > L/L L/L GTD

IP14_006572

BLR AUX TEST-3 05/16/87 03:46:26

TOTAL OIL	TOT COAL
02132357.	00343503.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

1A1 AUX P	1A2 AUX P	1B1 AUX P	1B2 AUX P
00006483.	00004961.	00007339.	00004982.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006573

BLR AUX TEST-3 05/16/87 04:01:28

TOTAL OIL	TOT COAL
02132415.	00343561.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

1A1 AUX P	1A2 AUX P	1B1 AUX P	1B2 AUX P
00006484.	00004961.	00007341.	00004982.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006574

BLR AUX TEST-3 05/16/87 04:16:48

02132474.	00343618.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

00096485.	00004962.	00007342.	00004983.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

BLR AUX TEST-3 05/16/87 04:29:58

00000000	00000000
02132527.	00343669.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

101 AUX POWER	102 AUX POWER	1B1 AUX POWER	1B2 AUX POWER
00006486.	00004963.	00007343.	00004984.
MW/HR	MW/HR	MW/HR	MW/HR
101 AUX POWER	102 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006576

BLR AUX TEST-3 05/16/87 04:45:02

TOTAL OIL	TOT COAL
02132588.	00343726.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

1A1 AUX P	1A2 AUX P	1B1 AUX P	1B2 AUX P
00006487.	00004964.	00007345.	00004984.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006577

BLR AUX TEST-3 05/16/87 04:59:19

02132648.	00343780.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

00006488.	00004965.	00007346.	00004985.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006578

BLR AUX TEST-3 05/16/87 05:14:49

TOTAL OIL	TOT COAL
02132712.	00343839.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

1A1 AUX P	1A2 AUX P	1B1 AUX P	1B2 AUX P
00006489.	00004965.	00007347.	00004986.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006579

BLR AUX TEST-3 05/16/87 05:32:59

TOTAL IGN	TOT FUEL
02132790.	00343908.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

1A1 AUX P	1A2 AUX P	1B1 AUX P	1B2 AUX P
00006490.	00004966.	00007349.	00004986.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD

IP14_006580

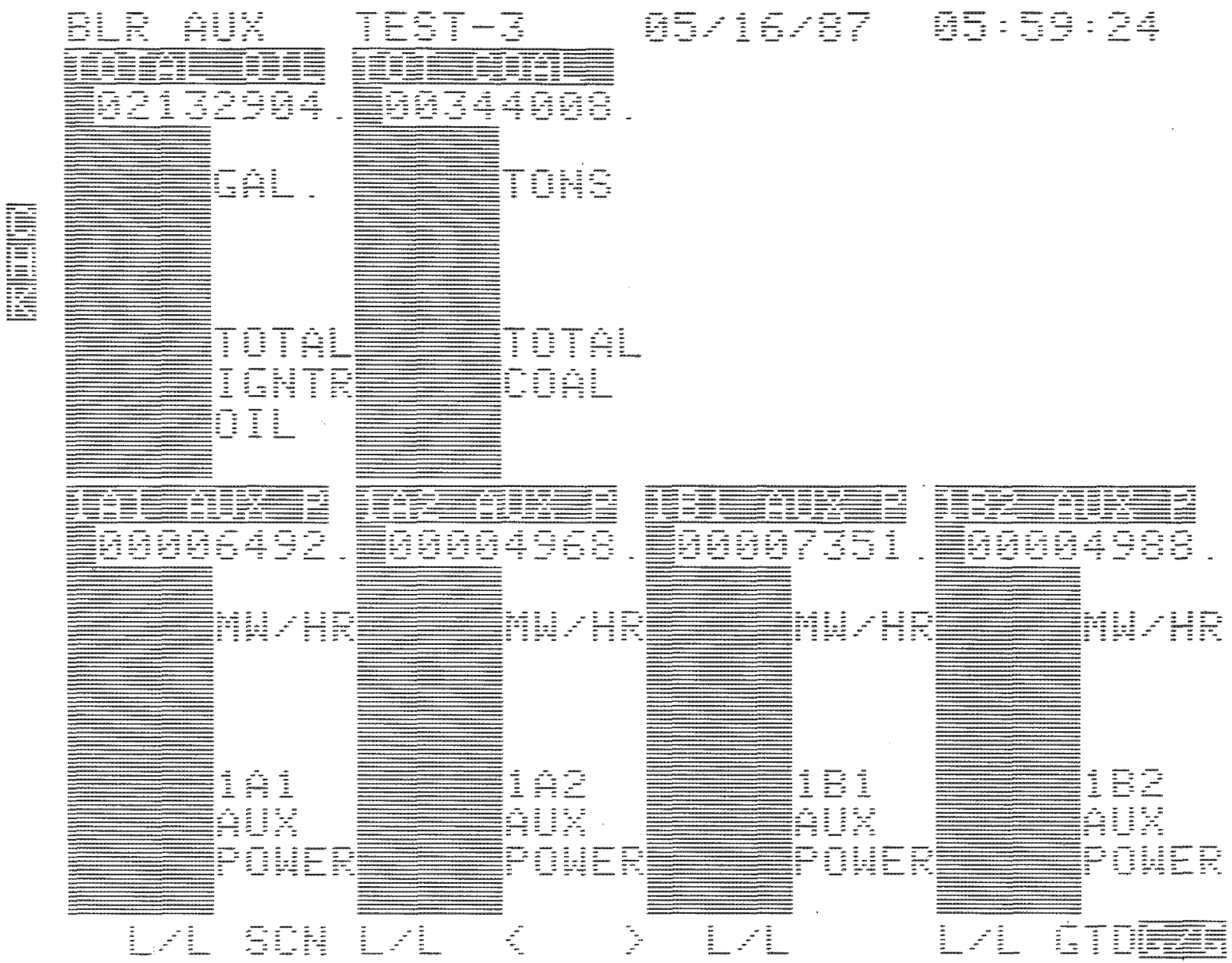
BLR AUX TEST-3 05/16/87 05:44:16

[illegible]	[illegible]
02132838.	00343950.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

[illegible]	[illegible]	[illegible]	[illegible]
00006491.	00004967.	00007350.	00004987.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCN L/L < > L/L L/L GTD[illegible]

IP14_006581


BLR AUX TEST-3 05/16/87 05:59:24
TOTAL OIL
02132904.
GAL.
TOTAL
IGNTR
OIL
TOT COAL
00344008.
TONS
TOTAL
COAL
1A1 AUX P
00006492.
MW/HR
1A1
AUX
POWER
1A2 AUX P
00004968.
MW/HR
1A2
AUX
POWER
1B1 AUX P
00007351.
MW/HR
1B1
AUX
POWER
1B2 AUX P
00004988.
MW/HR
1B2
AUX
POWER
L/L SCN L/L < > L/L L/L GTD

IP14_006582

BLR AUX TEST-3 05/16/87 06:19:34

02132993.	00344084.
GAL.	TONS
TOTAL IGNTR OIL	TOTAL COAL

00006494.	00004969.	00007353.	00004988.
MW/HR	MW/HR	MW/HR	MW/HR
1A1 AUX POWER	1A2 AUX POWER	1B1 AUX POWER	1B2 AUX POWER

L/L SCH L/L < > L/L L/L GTD

IP14_006583

UNDER SOFTWARE LOCK 05/16/87 03:35:47 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	6.0 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.0 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	596. MW	UNIT LOAD		
APEKV0007	565.6 MW	NET UNIT MEGAWATTS		
APEKK0001D	6.58 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002D	8.37 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003D	5.40 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004D	10.25 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005D	30.70 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006584

UNIFD SOFTWARE LOCK

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	11.4 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	596. MW	UNIT LOAD		
APEKV0007	562.4 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.15 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.40 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.43 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.30 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	30.07 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006585

UNDER SOFTWARE LOCK 05/16/87 04.05.13.F1_20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	8.4 MW	SWGR 1A2 MEGAWATT		
APEKK0003	6.0 MW	SWGR 1B1 MEGAWATT		
APEKK0004	11.4 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXT027A	595. MW	UNIT LOAD		
APEKV0007	565.3 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.27 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.31 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.64 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.26 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	30.47 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006586

UNDER SOFTWARE LOCK 05/16/87 04:19:47 F1-28

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	6.0 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[redacted] MW	AUX PWR USED	BYPASS	NO-IN
COAXT027A	598. MW	UNIT LOAD		
APEKV0007	562.3 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.36 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.36 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.19 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.27 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	30.18 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006587

UNDER SOFTWARE LOCK 05/16/87 04:34:26 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	7.2 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.8 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	598. MW	UNIT LOAD		
APEKV0007	566.8 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.44 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.33 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.97 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.37 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	30.51 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006588

UNDER SOFTWARE LOCK 05/16/87 04:34:26 F1-28

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	7.2 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.8 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	598. MW	UNIT LOAD		
APEKV0007	566.8 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.44 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.33 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.37 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.37 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	30.51 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006589

UNDER SOFTWARE LOCK 05/16/87 04:58:48 F1-28

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAX1827A	598 MW	UNIT LOAD		
APEKV0007	568.2 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.24 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.22 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	4.94 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.23 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.64 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006590

UNDER SOFTWARE LOCK 05/16/87 05:05:36 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	8.4 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	598. MW	UNIT LOAD		
APEKV0007	568.5 MW	NET UNIT MEGAWATTS		
APEKK0001D	6.16 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002D	8.07 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003D	4.76 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004D	10.15 MW	SWGR 2B2 POWER (ANALOG)		
APEKR0006D	69.11 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006591

UNDER SOFTWARE LOCK 05/16/87 05:21:26 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXT027A	597. MW	UNIT LOAD		
APEKV0007	569.2 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.13 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	7.96 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	4.84 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.09 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.15 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006592

UNDER SOFTWARE LOCK 03/16/87 05:21:26 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	597. MW	UNIT LOAD		
APEKV0007	569.2 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.13 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	7.96 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	4.84 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.09 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.15 MW	TOTAL AUX POWER (ANALOG)		

IP14_006593

UNDER SOFTWARE LOCK 05/16/87 05:34:33 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	8.4 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
[illegible]	[illegible] MW	UNIT LOAD		
APEKV0007	567.2 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.31 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.13 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.01 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.21 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.66 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006594

UNDER SOFTWARE LOCK 05/16/07 05:58:21.F1-28

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	7.2 MW	SWGR 1A1 MEGAWATT		
APEKK0002	9.0 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[redacted] MW	AUX PWR USED	BYPASS	NO-IN
COAX1027A	596. MW	UNIT LOAD		
APEKV0007	567.3 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.29 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.02 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	5.04 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.22 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.56 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_0006595

UNDER SOFTWARE LOCK 05/16/87 06:04:35 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	8.4 MW	SWGR 1A2 MEGAWATT		
APEKV0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	598. MW	UNIT LOAD		
APEKV0007	569.6 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.28 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.04 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	4.93 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.15 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.60 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006596

UNDER SOFTWARE LOCK 05/16/87 06:21:48 F1-20

MEASUREMENT DISPLAY

AUX POWER FEED 1A1, 1A2, 1B1, 1B2

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
APEKK0001	6.6 MW	SWGR 1A1 MEGAWATT		
APEKK0002	8.4 MW	SWGR 1A2 MEGAWATT		
APEKK0003	10.2 MW	SWGR 1B1 MEGAWATT		
APEKK0004	10.8 MW	SWGR 1B2 MEGAWATT		
APEKV0005	[illegible] MW	AUX PWR USED	BYPASS	NO-IN
COAXI027A	598. MW	UNIT LOAD		
APEKV0007	569.1 MW	NET UNIT MEGAWATTS		
APEKK0001B	6.44 MW	SWGR 2A1 POWER (ANALOG)		
APEKK0002B	8.19 MW	SWGR 2A2 POWER (ANALOG)		
APEKK0003B	4.77 MW	SWGR 2B1 POWER (ANALOG)		
APEKK0004B	10.32 MW	SWGR 2B2 POWER (ANALOG)		
APEKK0005B	29.42 MW	TOTAL AUX POWER (ANALOG)		

FORWARD PAGING AUXFDR

IP14_006597

TURBINE PERF TEST

Nissen 5/16/87

- Punch List for Test Package -

TEST # 9

Date Sat 5/16/87

Time Period 3:30-6:15

Test Conditions:

Load MWg 599

VP 2nd

Throttle Press 2393

Throttle Temp 1009

HRH 1002

BP 2.06

X	Preliminary Results (GE)	
X	Electrical Load	
X	Pictures - copy	X Field / Test Notes
X	HW Level	X-no Test Notes - (am test)
X	DA Level	
X	Stm Packing Exh flow	
X	Turbine Meter - copy	
X	Baro	
X	Inakon Readings	
X	Lab Sample Flow Rates	
	Coal Sample Pts	
X	Videocopies DesK1 / DesK2	
X	Test-3 Totalizers	
X	Aux Fdr	

X	Cycle Isolation - Temp Walkdown	Cycle Isolation Check List
	Htr2 Altr Drn Metal Temps	
X	DRN1 / DRN2 / DRN3	

IP14_006598

LOGS

TEST # 9

Date Sat 5/16/87
(test duration)
Time 330-615

Times

GE Raw Data

_____ Temps

_____ Press / Flows / Misc

_____ FoxIA Class II Calcs

330-615 FoxIA Trend #2 Standard Log
330-615 Perf #9 " "
330-615 Perf #10 " "

415-615 FoxIA Perf #9 Average Log
415-615 " #10 " "

_____ TGSI Status Printout
std / DLS

_____ TAC hourly printouts

TURB PERF TEST - Unit #2

5/16 Sat
(1st test)

Test #9

2nd VP - ~~595~~ 600 MWg /2400/1000/100

Start: ~~3:30~~ - ~~4:00~~ ① - 415 - 615 ②

① Restart / GE not data collecting / tape drive problem - new tape
Reset Electrical Load

② GE - computer crash

Boiler - ~~Weird~~ setup to get temps SH/RH

(- Makeup test for 3rd VP to follow)

Backpressure: TGSI measurements acting weird
started ↓ ↑ ↑ ↓
GE showed no change - thru test period

TREND #2 330 - 615

Logs #9/#10 330 - 615

Class II 3:30 - 5:30

4:15 - 615

Ave Log ~~330 - 530~~

IP14_006600

NOTES:

1) Backpressure: major air in-leakage problem resolved / BPs back down to reasonable values

2) LP Htr #2 - normal drains problem (100%)
- alternate drains (50%) controlling level
FT - alter closed / No level
Send all drains thru alternate drain valve to condenser
(same as 1st test of LP#2)
Read local - metal temps in alter line for reference temp.
Heat cycle must be corrected back to normal operation (test case bypassing flash tank / stm to Htr 1A / Drain cooler)

3) Aux Stm:
Crossties between Unit #1 + #2 valve frozen open / all other lines isolated

Aux Boilers - fired up for aux stm supply to Unit #1
(Unit #1 coming back up from outage)

4) Reheat Temps - difficult to make
Biel Dampers RH 100% PSH 15%
(@ Low loads)
Pully: upper biased down bottom pully o/s - min airflow
pully upper o/s max'd air flow
should have specified pully configuration

5) Steam Pipe Drain Valve {Recirc on steam Leads}
2TGC ~~AA~~VC-51 open
Paul Albert - OK as long as MBV-49 stays close
(Main Steam Lead Drain Valve to Cond)
AVC-51 allows recirculation of other steam leads
to keep condensate from building up when on
Partial Arc Admission

6) Setting Control Valve
Load set to close actual running open
(not assured close - Walt Kellyhouse OK)
When setting Valve point run Load fit
way up + then back load limit down to
set valve point

7) INDIKON settings have been left set on A
thru testing local checks made switched both
to B channel + back

IP14_006602

	@ 4:00	@ 5:00	@ 6:00	
MWg	600	600	599	
	2394	2405	2400	
	2378	2390	2384	
	1203	1208	1205	
	365	366	365	
Loadset	<612>			
	1009	1008	1009	
	0/0			
	1005/1006	1005/1005	1002/1003	
	0			
CV	70/66/4/0			
	TGSI 61%			
	Partial Arc			
Gen	H_2 62.0			
	PF lead 0.99			
	VAR 24 (TGSI -75)			
	Aux 30.47			
8th Stg WSP TE/GE	887/872		887/872	
Throttle Flow	3897		3910	
FW Flow	3805		3969	
BP	1.31/1.23/1.18	2.19/2.28/1.62	2.19/2.28/1.64	Dropped back down
CCW	81½	81		
HCW	103/102/97/99	103/102/97/98		
HW	41"	40¾	40	
DA	103"	102	~~104~~ 102	

DC - Block Valves - Out

SSH 1807° 1811

Bias Dampers RH 100 / PSH 15

Excess Air E 4.9 / W 4.2

Pulverizers 5 I/S 2D O/S WB - 100%

Bias 2E down 14%

Level +3/4 / -1 1/2 / -3

PA Flow Bias

(PA Fans were max'd out)

Gland stm 2.8 psi

FW Htrs LP Htr 2 - all thru alternate drain

FT No Level

For entire test duration { HP Htr 8B - shows no level (Rise / TTD -3 / DCA 3 - OK)

3 Vacumn Pumps

BBFP 2B O/S

Scrubbers - 3 I/S

Makeup flow indication

FOX/A wrong shows indication when isolated

3 Polishers

2 CP's

IP14_006604

"60 to 6:15

Test # 9
2nd VP
5/16/87

1/

IPP # 1

ISOLATION - CHECK LIST

BOILER Roof

6 MS Relief VALVES
1 Vent from Main Steam
4 HRH Relief valves
8 CRH Relief valves
6 Aux Stm Relief valves
1 HTR Relief valve header
1 DA Vent
5 Boiler Vent to Roof
2 Drum Vents to the Roof
8 Drum Relief valves

Blowdown Tank Vent (north side)

IP14_006605

IPP #1

ISOLATION - CHECK LIST

18th Floor - Top of Boiler

Vent from each Reheat line
Steam leakage near relief valves

189 T Boiler Drum to Aux Steam (South) (Valve 1 & MBV2)
105 T Trap open
373 T Superheat Steam to Aux Stm - (18th & 17th floor) (west)
121 T Superheat Steam to Air Heater Soot Blowers (139, MBV 140)
264 T Superheat Steam to Boiler Soot Blowers (141, MBV 142)
306 T MS to Reheater Bypass (ACV 134, MUV 133)

288 T Superheat Steam to Boiler Soot Blowers (143, MBV144) - east
103 / 102 T Combustion gas Reheat Soot Blowers (17, MBV-24) - east

Contenuous Blowdown (MBV-4) - east
Chemical feed to drum
Drain from site glass to Blowdown header

Drain from drum pressure tap - west
2- Drains from site glass to Blowdown header

IPP #1
ISOLATION - Check LIST

13th - 17th Floors

17th Superheat Steam to Scrubber Soot blowing
(44, ACV 45, 46, 47, ACV 48, 49)

16th Feedwater to Scrubber soot blower desuperheater
(142, 137, 139 TT 246)

15th Pegging Steam to the DA
___ Aux Stm HDR Press
Boiler drains (west side) 37, 39, 41, 43, 45, 47, 49, 51
Boiler drains (east side) 53

14th DA startup Vents to ATM
___ # of ORIFICED Vents Open
AIR Preheat Return to DA VALVE 140
HP HTR Vent to DA
TRAP FROM AUX STM HDR

13th 3 - RECIRC'S FROM BOOSTER PUMPS
3 - RECIRC'S FROM BFP'S - also check relief valve (3) to floor
Aux Stm to DA Storage TK BV6, BV133
DA Level
MID - Roof : Relief valves from CRH to Aux Stm, Aux Steam to Steam Seals, Aux Stm to Plant Heating, Steam Seals

IPP #1

ISOLATION - Check List

8th - 12th floors

509 T 12th MS to Reheat Steam Bypass (MBV 135, 125)

T downstream 189/ T upstream 245 11th 4" Drain from DA to Bsmt sump (valve #23)
CRH pressure taps

~~10th~~

10th Sample from Final Feedwater
Phosphate feed to Feedwater
Feedwater drain to economizer inlet drain header
Boiler drains (west side) 28, 30, 33, 35
Boiler drains (east side) 55, 57

9th CRH to Aux Steam HDR - DV&TT
Relief valve from final feedwater - before flow section
Aux Steam for plant heating - Status

8th TC station @ FFW
Trap from CRH to Aux Stm
FFW Ruska

@4:35 @5:15

351 307 T
274 256 T
336 289 T

9th South-East CRH SPLY To Aux Hdr (west) (BV 11/12)
CRH SPLY To Aux Hdr (center) (BV 13/14)
CRH SPLY To Aux Hdr (east) (BV 15)

IPP # 1

ISOLATION - CHECK LIST

4th - 7th Floors

7th
RHT SPRAY VALVE STATION - ISOLATE
TB BLDG Roof Vents

6th
2 Relief valves from final feedwater to sump near HTR 8
HTR 8A & 8B Vents and Drains to sump
HTR 8A & 8B Vents to DA

5th
Chem. CLEANING CONNECTION TO AUX. STM.
CONDENSATE FOR AUX. Stm. Desuperheating
CONDENSATE TO AND FROM BOILER Lighters
HTR 7A & 7B Vents and drains to sump
HTR 7A & 7B Vents to DA
HTR 4 Vents and drains to Sump / Relief valves
HTR 4 Vents to Condenser - startup vent top of HTR
HTR 3 Condensate Bypass MBV 17
HTR 4 Condensate Bypass MBV 18
Steam to Air HTR Soot Blowers
Aux steam to oil heater

4th
Boiler drains (west side) MBV-29, 31, 34, MBV-36, 38
40, MBV-42, MBV-44, MBV-46, 48, MBV-50, MBV-52

BOILER drains (east side) 54, MBV-56, MBV-58
Continuous Blowdown 5
Soot Blowing (Boiler) drain to condenser - MBV-
2 - Trap from Aux Stm HDR (east side)

IPP # 1

ISOLATION Check LIST

TB DECK

MS to BFPT(A) MBV-9
Drain to sump/Vents
Seal Injection pressure ____
Seal Return temp. ____

MS to BFPT(B) MBV-10
Drain to sump/Vents
Seal Injection pressure ____
Seal Return Temp. ____

Feedwater Bypass around HTR's 6, 7, & 8
HTR 6A & 6B Vents and drains to sump
HTR 6A & 6B Vent to the DA
HTR 3 Vents to sump / Relief valve to sump
HTR 3 Vents to condenser - start up vent top of HTR

IP warming valve
Ventelator valve

Hood sprays
Hood Spray press Reading

Computer Trailer

Control Room

IPP #1

Isolation Check List

Boiler - 3 floor to Bsmt

2ND FLOOR - SOUTH
Boiler Drains [62,61], [65, MBV66], [63,64], [67,68]

2ND FLOOR - WEST
Traps (2) from Aux Steam to Blowdown Tank

2ND FLOOR - EAST
BOILER DRAINS 170,69

2ND FLOOR - (NORTH - EAST)
Air HTR soot Blowing drain to Condenser MBV-35

Bsmt

DA Drain to Air Preheat
Valve 24 - 1 floor above FGR pumps
valves 113, 114, 119, 122, 123 - Bsmt

APH Return to DA and Condenser.
ACV 134, 130, 131

Combustion gas Reheat to Condensate after HTR 2
150, 435 tell tale 436
~~Elec~~ FGR pump Recirc 110, 113, 114, 117
Pump leakage

2ND FLOOR West
Boiler drains.

IPP # 1

Isolation Check List

Scrubber Bldg.

- Soot Blower Condensate drain return to the Miscellaneous Drains receiver tank - Behind FGR Control Room valve # 127 & 125

IPP # 1

ISOLATION Check LIST

MEZZ

4- Overflow lines from Vac Pump Separator tank to Misc drain tank
2- Relief valves from Feedwater to HTR 6A & 6B

HTR 2 Vents and drains to sump, Relief valve to sump
HTR 2 Vents to Condenser - startup vent top of HTR shell
HTR 2 Condensate Bypass MBV-16
Boot Strap from Condensate to Feedwater DV & TT
Relief valve from BFP(B') to sump.
EXTR LINE Drain from LP steam to BFPT "B"
Warm-up drain from Feedwater to Condenser
Relief valve from BFP(A) to sump
Aux Steam to BFPT DV & TT
CRH to Steam Seals
Aux Steam to Steam Seals
TDV to Condenser

MS to Steam Seal 10, MBV-2, MBV-3
Steam Seal header Relief valves
HPLO steam to Steam Seal header.
2500 # Ruska

MS drains to Blowdown tank MBV-11/12/13/14
MS drains to Condenser MBV 55/56/25/26
4 Control valve ~~before~~ before seat drains
4 Stop valve before seat drains
Main Steam Bypass to Condenser DV & TT
Condensate for desuperheating ACV 59, ACV89, ACV86
Drains from Rotor cooling line to CRH line
CIV drain to Condenser
CIV drain to sump - mezz near condensate for HRH drains damper
mezz ~~near~~ BFPT A exhaust to Condenser

IPP # 1

ISOLATION - Check List

Mezz - Cont.

Normal make-up to Condenser (DI & TT) 31, 30 telltale 148
Condensate for desuperheating the steam to the SPE

* Condenser DWG - TB END
* CONDENSER DWG - South side
  HTR # 1A, 1B, 1C Vent & drain to sump
  Start up Vent to the Condenser

HTR #1 & DC Condensate Bypass

* CONDENSER DWG - GEN END
  DA Drain to the Condenser 85, 86, 26, 27
  HTR # 4 Hi Level dump to the Condenser
  Boiler Bypass to Condenser 136, 138, 169, 170
  Condensate to and from lighters for boiler

* Condenser DWG - North side
  3-Vacuum Breakers - Find out how to check for make-up leaking into the Condenser.
  BFPT "B" Drains to the Condenser
  BFPT "A" Drains to the Condenser.

11/

IPP #1

ISOLATION Check List

BSMT

TB Meter Bypass 1½" TB meter
TB meter Bypass 2" TB meter
Booster pumps drain to sump
Drain to sump from the seal return tank under the BSMT floor - also any tank leaks

Make-up from Feedwater to Aux Boiler
- also valve unit #2
valve @ Aux boiler

Standby pump drain to sump
Relief on Suction to standby pump
HP HTR drain pump drains to sump

Make-up to Condensate Polishers
Drains to Sump from Polishers
Condensate pump leak to sump
Make-up to Condensate pump seals DV & TT
Cycle make-up to drain cooler line to the Condenser
Valve 129 (above drain cooler) Valve 66 (above walkway)
Drain Cooler vents and drains
Condensate Recirc ACV 25
Condensate to Storage Tank 19, 20, 23, 24
Air Preheat Return to the Condenser 137, 139, 141
* CONDENSER DWG - GEN END
HTR #3 Hi Level drain to Condenser
HTR #2 Hi Level drain to the Condenser
HTR #1 & #2 Hi Level drain to the Condenser
Generation Bldg Heating Return to Condenser
H_2 Pressure _____
H_2 Purity _____

SUMPS

IP14_006615

IPP #1

ISOLATION - Check List

Bsmt - Cont.

* CONDENSER DWG - South side
  - Hotwell Level
  - Emergency Make-up (OV & TT) 33, 34 TT 175

Misc Drain tank to Sump
Trap from Aux Steam HDR
HRH drain to Condenser
CRH drain to Condenser
TDV drain to Condenser
MS line Bypass to Condenser

* Condenser DWG - TB END
  - HTR 6A & 6B Hi level dumps to Condenser
  - HTR 7A & 7B Hi level dumps to Condenser
  - HTR 8A & 8B Hi level dumps to Condenser
  - SV & CV above seat drains
  - Equalizer Valve
  - Stm lead drains
  - CIV drains

* HP Drain Header
  SPE DRAIN FLOW
* Condenser DWG - North side
* { LP drain Header to A hood
  { 2 LP drain Headers to Condenser under C hood

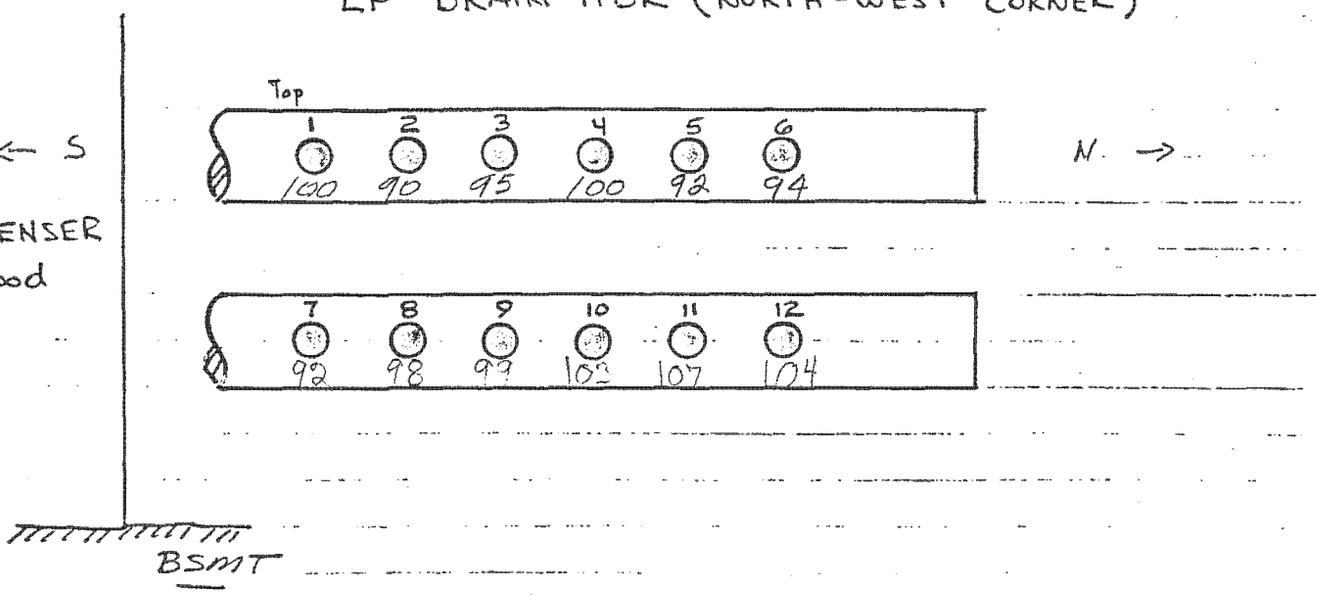
Samples

Chem. Feed

Sumps

started @ 3:25

LP DRAIN HDR (NORTH-WEST CORNER)



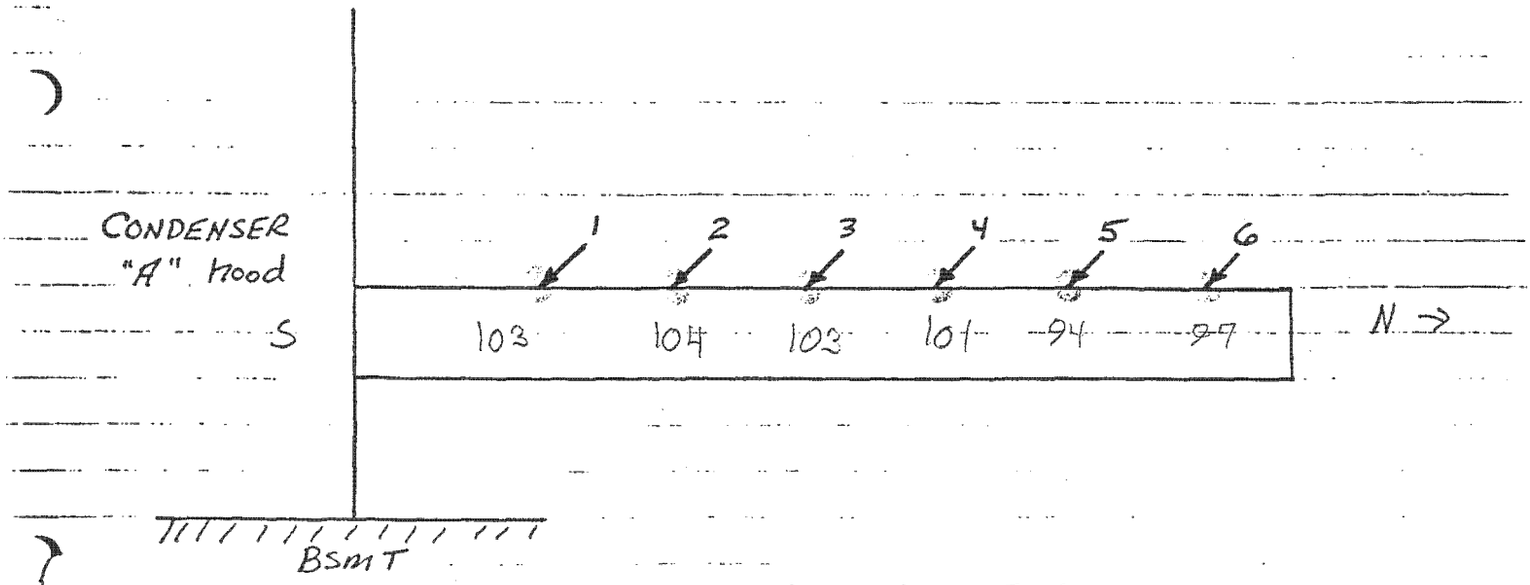
ELEVATION VIEW
(LOOKING WEST)

1) EXTR TO HTR 2 from hood "C" - Drain after non-return valve
2) " " " " " " " - " before " " "
3) " " HTR 3 " " " - " after " " "
4) " " " " " " " - " before " " "
5) " " HTR 4 " " " - " after " " "
6) " " " " " " " - " before " " "
7) " " HTR 2 " hood "B" - " after " " "
8) " " " " " " " - " before " " "
9) " " HTR 3 " " " - " after " " "
10) " " " " " " " - " before " " "
11) " " HTR 4 " " " - " after " " "
12) " " " " " " " - " before " " "

* ALSO CHECK TRAPS AND DRAIN TO SUMP

IP14_006617

LP DRAIN HDR (NORTH-EAST CORNER)

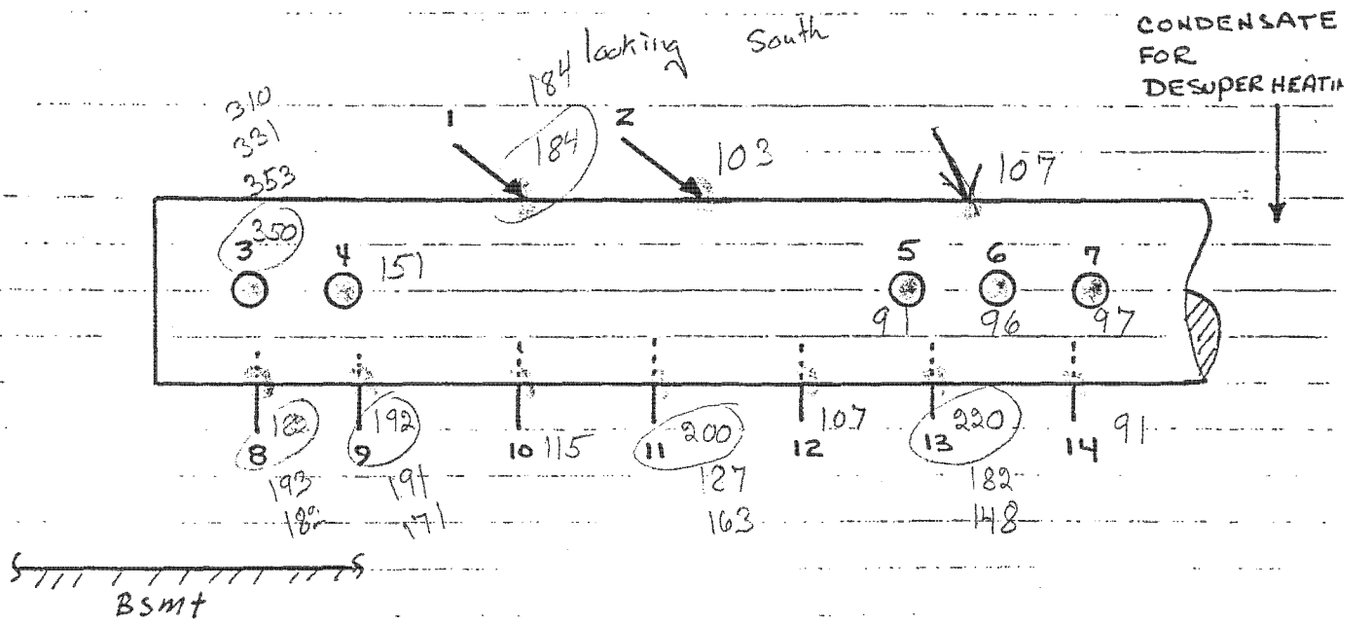


ELEVATION VIEW
(LOOKING WEST)

1) EXTR TO HTR #2 FROM "A" hood - Drain after non-return valve
2) " " " " " " " " before " " "
3) " " HTR #3 " " " " after " " "
4) " " " " " " " " before " " "
5) " " HTR #4 " " " " after " " "
6) " " " " " " " " before " " "

* ALSO CHECK TRAPS AND DRAINS TO SUMP

HP DRAIN HDR
(EAST SIDE - BSMT LEVEL)



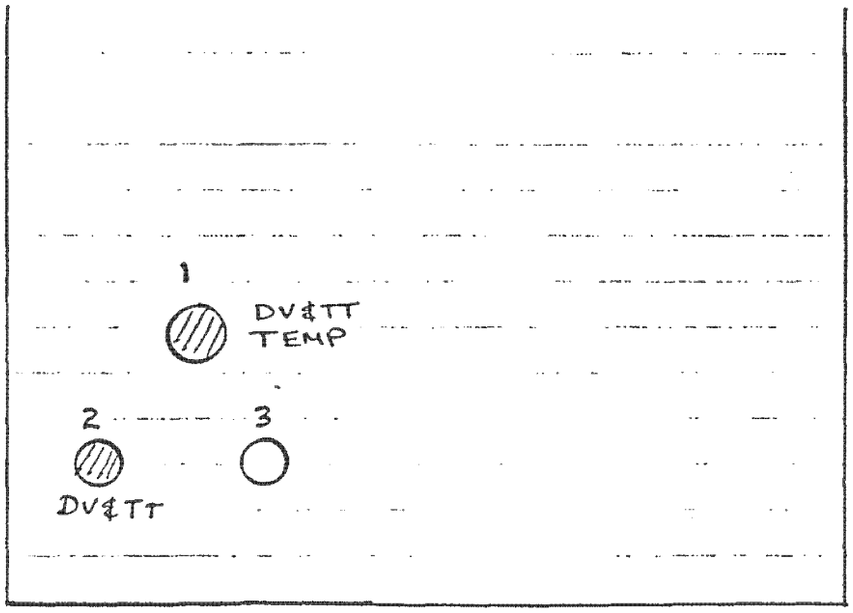
ELEVATION VIEW
(LOOKING SOUTH)

1) Drain from APH soot blowers
2) Drain from boiler soot blowers
3) Drain from 4th stg Extr to HTR 8A & 8B (before seat)
4) " " " " " " HTR 8A (after seat)
5) " " 14 stg " " BFPT 1B (after MBV-9)
6) " " " " " " DA (after seat)
7) " " " " " " " " "
8) " " 4th stg " " HTR 8B " "
9) " " 11th stg " " HTR 6A & 6B (before seat)
10) " " " " " " HTR 6A (after seat)
11) " " " " " " HTR 6B " "
12) " " 14 stg " " BFPT 1A (after BV-9)
13) " " " " " " BFPT 1A & 1B
14) " " " " " " DA (before seat)

* ALSO CHECK TRAPS AND DRAINS TO SUMP

IP14_006619

CONDENSER CONNECTIONS MEZZ - TB END



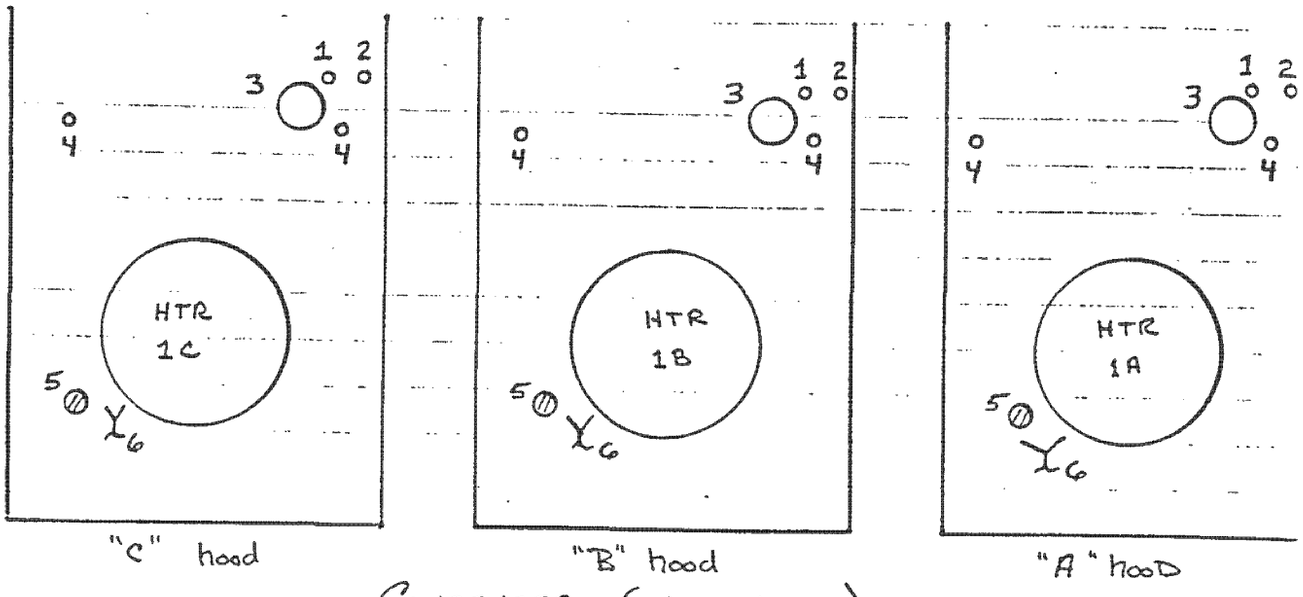
CONDENSER (MEZZ LEVEL)
(TB-END)

1) MS Bypass to Condenser and MS drains to Bypass line - check temp before desuperheater

2) Normal Hotwell make-up

3) Drain from Misc drain tank

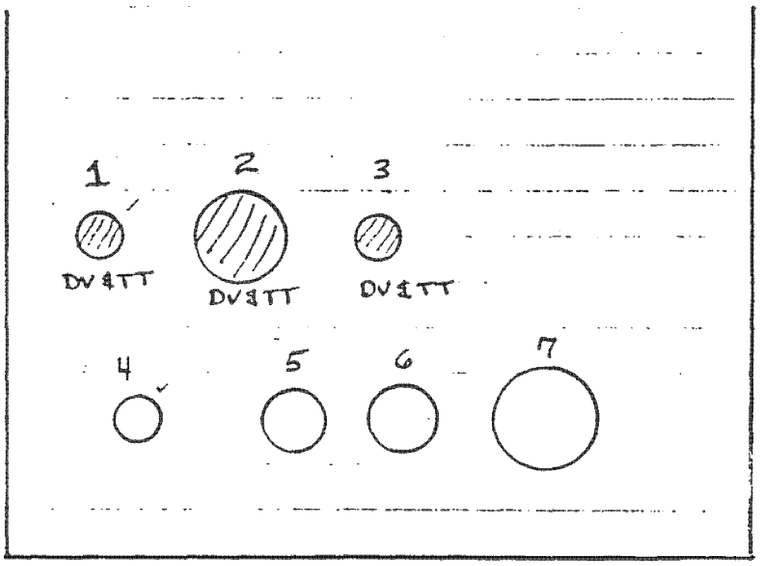
CONDENSER CONNECTIONS MEZZ - SOUTH



CONDENSER (MEZZ LEVEL)
(SOUTH SIDE)

1) TE
2) Pressure Tap
3) LP Steam Seals to SPE
4) Waste water & oil from turbine
5) HTR # 1 Vent to condenser
6) HTR # 1 drains to sump.

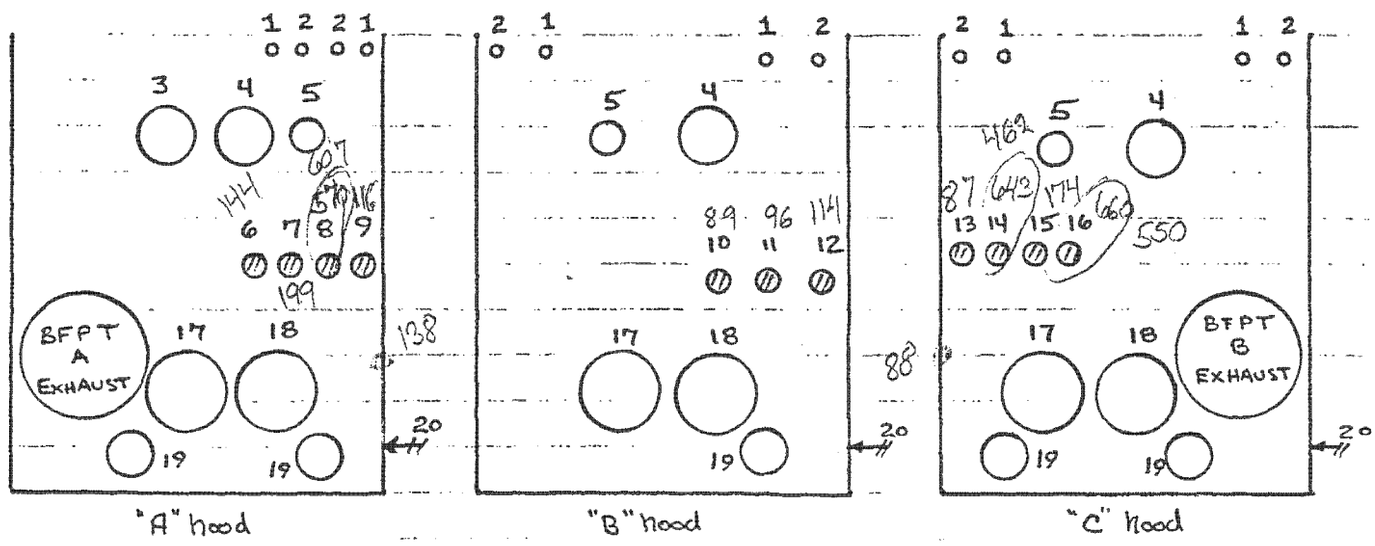
CONDENSER CONNECTIONS MEZZ – GEN. END



Condenser (Mezz Level)
(GEN END)

1) DA drain to Condenser DV&TT BV26, BV27
   DA drain to Condenser DV&TT BV85, BV86
   Condensate return from lighters BV 375
2) Bypass from boiler to condenser BV 136, ACV 137, BV 138, BV 169, BV 170
3) HTR 4 Hi level drain to Condenser BV 9, BV 17
4) Booster pump and standby pump seal return
5) Condensate pump startup recirc valve to Condenser
6) Condensate recirc to Condenser
7) Drain Cooler drain to Condenser

CONDENSER CONNECTIONS MEZZ - NORTH SIDE



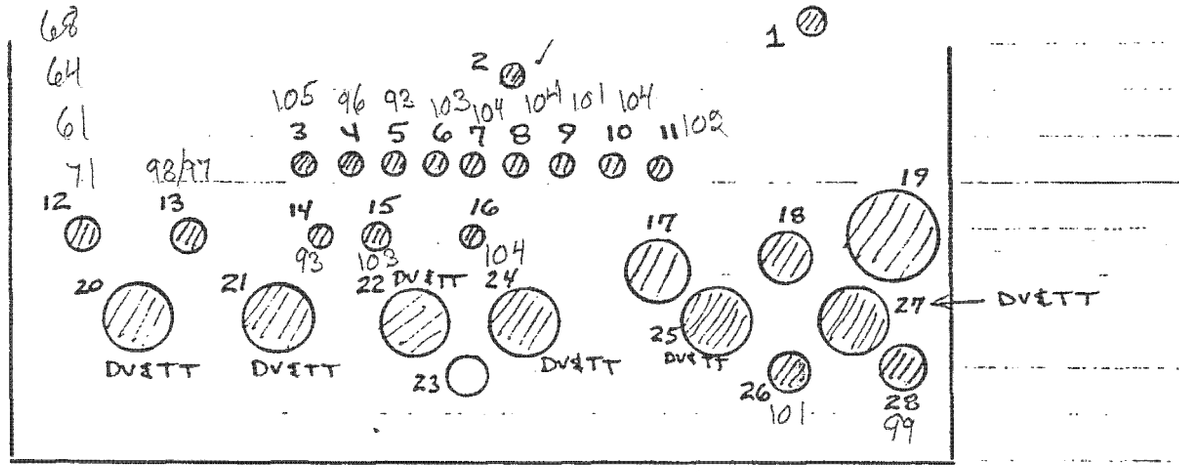
CONDENSER (MEZZ LEVEL)
(NORTH SIDE)

1) TE
2) Pressure Tap
3) TDV to HTR 1A
4) EXTR TO HTR #4
5) SSH to LP Seals
6) BFPT "A" HP STOP VALVE DRAIN
7) BFPT "A" LP STOP VALVE BELOW SEAT DRAIN
8) BFPT "A" HP STOP VALVE DRAIN
9) BFPT "A" FIRST Stage Drain
10) HTR #4 Vent to Condenser
11) HTR #3 Vent to Condenser
12) HTR #2 Vent to Condenser
13) BFPT "B" FIRST STAGE DRAIN
14) BFPT "B" HP STOP VALVE DRAIN
15) BFPT "B" LP STOP VALVE below SEAT DRAIN
16) BFPT "B" HP STOP VALVE DRAIN
17) EXTR TO HTR #2

CONT.
(18) EXTR TO HTR #3
(19) TO VACUUM PUMPS
(20) VAC. Breaker - Check for MAKE-UP LEAKAGE TO CONDENSER

IP14_006623

CONDENSER CONNECTIONS Bsmt - TB END



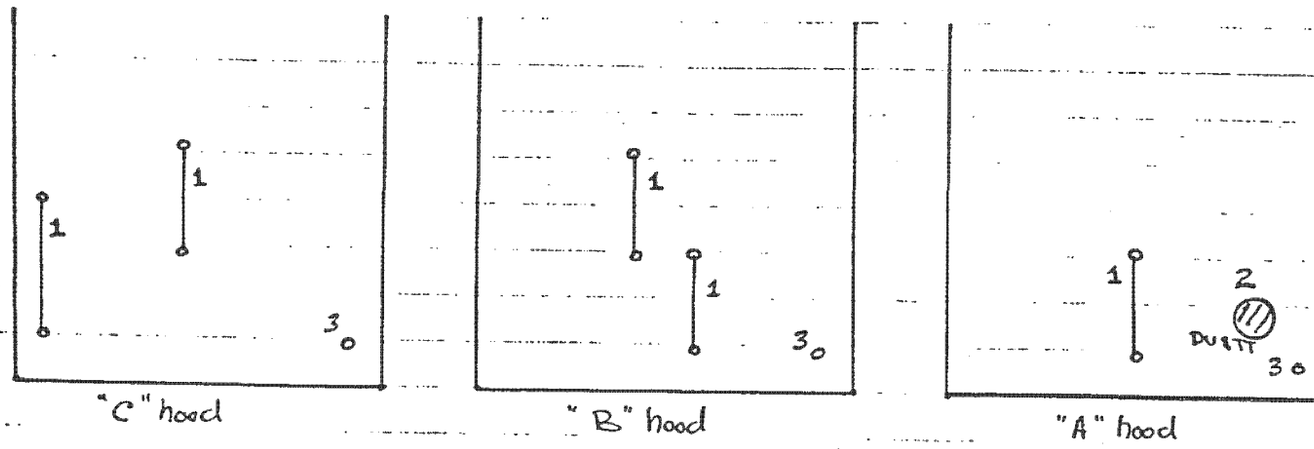
CONDENSER - Bsmt
(TB END)

1) Orificed drain from TDV to HTR
2) Drain from Feedwater to HTR #6
3) Drain RHT Bowl to Condenser
4) Control valve drain to Condenser
5) " " " " "
6) " " " " "
7-10) Stop valve drain to Condenser
11) Drain from RHT Bowl
12) CRH low point drains - check before desuperheating
13) HRH low point drains - check before desuperheating
14) Low point drain from MS Bypass to condenser
15) Control valve drain to Condenser
16) Main Steam lead drain to condenser
17) TDV to Condenser
18) Equalizer valve
19) HP extn line drain header
20, 21) HTR 6A & 6B Hi level dumps 20) HTR 6A ; 21) HTR 6B
22, 24) HTR 8A & 8B Hi level dumps 22) HTR 8A ; 24) HTR 8B
23) Drain from Misc Drain Tank
25, 27) HTR 7A & 7B Hi level dump 25) HTR 7B ; 27) HTR 7A
26) SSH low point drain
28) Drain from LP extn steam to BFPT "A"

IP14_006624

CONDENSER CONNECTIONS

BSMT - SOUTH SIDE

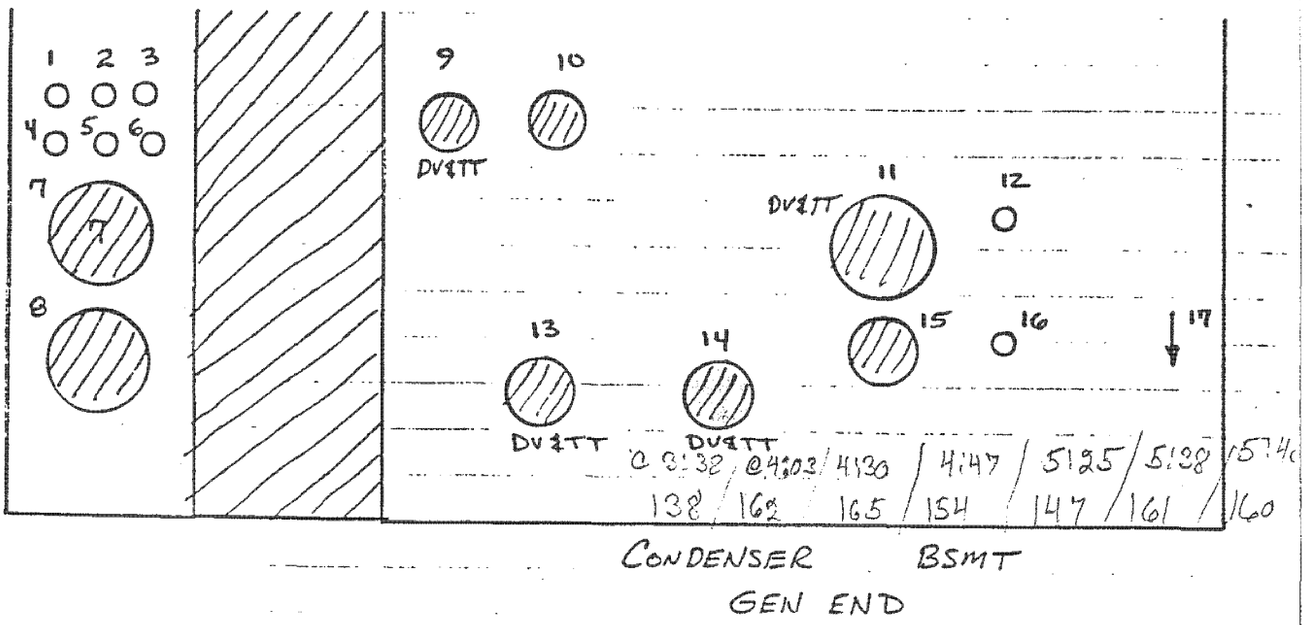


CONDENSER - BSMT
SOUTH SIDE

1) SITE GLASS OR LEVEL INDICATOR
2) EMERGENCY MAKE-UP TO HOTWELL
3) TE

CONDENSER CONNECTIONS

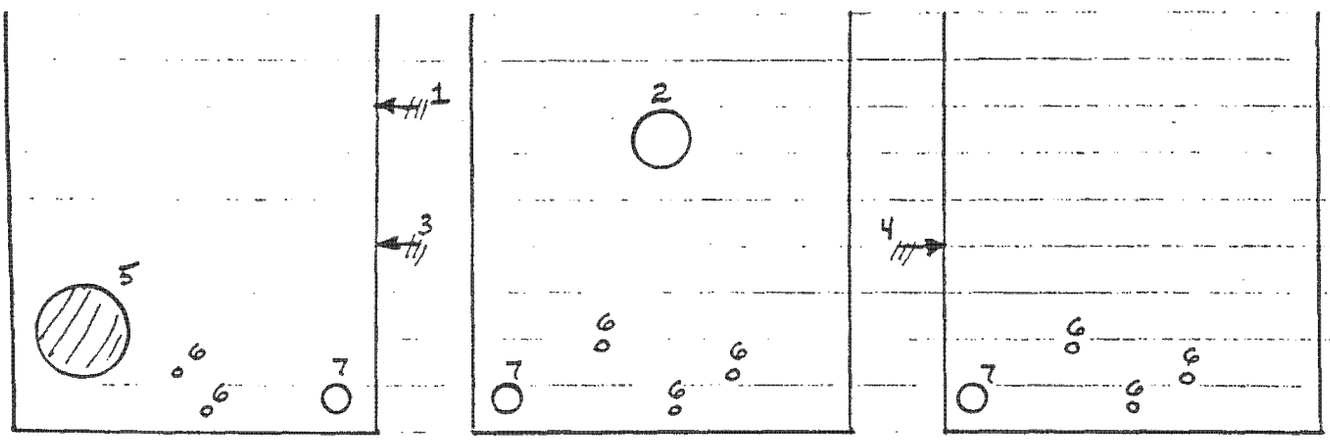
BSMT - GEN END



1,2,3) Condensate pump suction vents
4,5,6) Condensate pump disch vents
7) LP HTR EXTR LINE HDR
8) LP HTR EXTR LINE HDR
9) APH Return to Condenser
10) Extn line drain from LP steam to BFPT "B"
11) Flash tank Hi level drain to the condenser
12) Vent to Condenser from the drain cooler drain line to Condenser
13) HTR #3 Hi level drain to Condenser
14) HTR #2 Hi level drain to condenser
15) Generation Bldg Heating return to condenser
16) Sample from drain cooler drain line to condenser
17) Local sample from drain cooler.

CONDENSER CONNECTIONS

BSMT - NORTH SIDE



Condenser Bsmt
North Side

1) SSH Low point drain - check MEZZ Level
2) To VACUUM Pumps
3) BFPT "1A" LP STOP VALVE above seat drain - check Mezz level
4) BFPT "1B" LP " " " " " " " "
5) LP extraction line drain header
6) Hotwell sample
7) Hotwell drain.

MEZZANINE TC'S

LP HTR 2 DR
To Flash TK 1
135

MS WARM LINE
86

BOOSTER BFP DISC
TO MAIN + STBY BF
119

MS DRAIN WARM LINE - 1MSDSH
97

MS DRAIN WARM LINE - 1MSDSH
90

MS DRAINS TO
BLOWDOWN TANK
169
107

ST. SEAL
EXTRACTIONS
UP 1/2 LEVEL
200
277
202
390
37
220

DOWN ON MEZZANINE
TDV TO CONDENSER

UNDER SOFTWARE LOCK 05/16/87 03:33:45 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	624.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	125.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	376.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	81.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	74.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0000	100.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	395.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	53.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	363.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	184.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRM1

IP14_006629

UNDER SOFTWARE LOCK 05/16/87 03:34:06 M-28

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	432. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	122. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	192. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	247. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	104. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	219. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	103. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	108. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	111. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	217 DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	107. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	114. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE0959	310. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	145. DEGF	BFPT 1A EXTR DR T		
TECTE1046	172. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006630

UNDER SOFTWARE LOCK 05/16/87 03:34:24 F1-28

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	90. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	99. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	136. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	128. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	123. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	110. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	107. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	104. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	150. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	114. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	136. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	104. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	113. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	129. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	90. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	110. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006631

UNDER SOFTWARE LOCK 05/16/87 03:49:07 F1-28

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
SGGTE1154	619. DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE8418	125. DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	368. DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE8417	81. DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE8419	73. DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE8888	100. DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	395. DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	58. DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377. DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	363. DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE8997	103. DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006632

UNDER SOFTWARE LOCK 05/16/87 03:49:27 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	410. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	134. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	193. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	239. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	184. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	215. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	183. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	187. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	118. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	289. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	186. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	112. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE0959	383. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	145. DEGF	BFPT 1A EXTR DR T		
TECTE1046	172. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006633

UNDER SOFTWARE LOCK 05/16/87 03:49:49 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	89. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	99. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	134. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	128. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	122. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	117. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	107. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	104. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	148. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	135. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	104. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	112. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	128. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	89. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	110. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006634

UNDER SOFTWARE LOCK 05/16/87 04:03:03 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	619.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	124.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	361.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	88.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	73.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0808	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	394.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	55.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	361.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	183.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006635

UNDER SOFTWARE LOCK

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	395. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	145. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	192. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	234. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	184. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	218. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	183. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	187. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	189. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	282. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	186. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	111. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE0959	296. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	144. DEGF	BFPT 1A EXTR DR T		
TECTE1046	172. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006636

UNDER SOFTWARE LOCK 05/16/87 04:03:41 F1-28

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	89. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	98. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	133. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	128. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	121. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	116. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	107. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	103. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	147. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	133. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	104. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	111. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	126. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	89. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	110. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006637

UNDER SOFTWARE LOCK 05/16/87 04:17:41 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	620.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	124.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	355.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	88.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	73.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0888	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	595.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	65.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	359.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	103.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING ... DOWN

IP14_006638

UNDER SOFTWARE LOCK 05/16/87 04:17:59 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	378. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	155. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	191. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	225. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	184. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	283. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	183. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	186. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	187. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	195. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	186. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	189. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	288. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	143. DEGF	BFPT 1A EXTR DR T		
TECTE1046	172. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING BACK

IP14_006639

UNDER SOFTWARE LOCK 05/16/87 04:18:24 F1-28

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	88. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	97. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	132. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	127. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	121. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	114. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	107. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	102. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	145. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	132. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	104. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	110. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	125. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	89. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	109. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006640

UNDER SOFTWARE LOCK 05/16/87 04:32:23 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	619.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	124.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	349.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	88.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	73.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0008	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	395.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	71.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	359.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	103.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006641

UNDER SOFTWARE LOCK 05/16/87 04:32:40 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
TECTE1015	364.	DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	168.	DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	189.	DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	219.	DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	104.	DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	198.	DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	183.	DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	186.	DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	186.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	187.	DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	186.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	188.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	281.	DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	143.	DEGF	BFPT 1A EXTR DR T		
TECTE1046	172.	DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006642

UNDER SOFTWARE LOCK 05/16/87 04:32:58 F1-28

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	87. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	96. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	131. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	126. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	128. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	112. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	107. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	101. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	145. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	138. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	103. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	109. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	124. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
ECTE1043	89. DEGF	LP HTR 4 EXTR DRAIN T		
CTE1044	108. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006643

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	628.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	123.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	342.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	79.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	73.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0888	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	394.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	74.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	357.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	103.	DEGF	HOT RH DR DSUPHTR 3 T		

IP14_006644

UNDER SOFTWARE LOCK 05/16/87 04:49:02 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
TECTE1015	348.	DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	166.	DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	189.	DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	211.	DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	183.	DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	191.	DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	183.	DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	186.	DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	188.	DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	186.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	187.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	273.	DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	143.	DEGF	BFPT 1A EXTR DR T		
TECTE1046	172.	DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006645

UNDER SOFTWARE LOCK 05/16/87 04:49:27 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	86. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	95. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	130. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	124. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	119. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	110. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	106. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	100. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	143. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	121. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	109. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	126. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	103. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	100. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	123. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	109. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	106. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006646

UNDER SOFTWARE LOCK 05/16/07 05:03:27 PT-28

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	621.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	123.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	336.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	79.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0112	75.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0008	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	394.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	76.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	183.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006647

UNDER SOFTWARE LOCK 05/16/87 05:03:40 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	335. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	169. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	187. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	283. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	183. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	163. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	182. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	184. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	172. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	187. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	266. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	143. DEGF	BFPT 1A EXTR DR T		
TECTE1046	170. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006648

UNDER SOFTWARE LOCK [redacted]16/87 05:04:08 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	86. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	95. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	129. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	122. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	117. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	107. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	166. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	99. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	142. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	121. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	108. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	124. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	103. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	106. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	122. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	105. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006649

UNDER SOFTWARE LOCK 05/16/87 05:19:27 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	619.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	123.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	330.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	79.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	72.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0008	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	395.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	77.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	183.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006650

UNDER SOFTWARE LOCK 05/16/87 05:19:44 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
TECTE1015	322.	DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	172.	DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	187.	DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	194.	DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	183.	DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	176.	DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	182.	DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	184.	DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	165.	DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	186.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
ECTE8959	253.	DEGF	HP COND TO DSUPHTR LINE T		
CTE1045	142.	DEGF	BFPT 1A EXTR DR T		
CTE1046	178.	DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006651

UNDER SOFTWARE LOCK 05/16/97 05:28:05-51-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	85. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	94. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	128. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	119. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	115. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	104. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	105. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	98. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	141. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	121. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	108. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	121. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	102. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	104. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	121. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	103. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006652

UNDER SOFTWARE LOCK 05/16/87 05:32:39 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	618.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	122.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	325.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	79.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	72.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0888	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	394.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	76.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	182.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006653

UNDER SOFTWARE LOCK 05/16/87 05:32:58 F1-28

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	312. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	172. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	186. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	191. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	182. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	169. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	182. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	184. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	155. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	239. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	142. DEGF	BFPT 1A EXTR DR T		
TECTE1046	178. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006654

UNDER SOFTWARE LOCK 05/16/87 05:33:18 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	85. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	93. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	127. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	117. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	114. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	103. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	105. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	97. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	140. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	121. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	108. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	119. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	102. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	103. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	120. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	102. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	102. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006655

UNDER SOFTWARE LOCK 05/16/87 05:48:09 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	628.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	122.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	319.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	78.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	72.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0000	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	394.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	77.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	377.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	182.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006656

UNDER SOFTWARE LOCK 05/16/87 05:48:29 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1015	297. DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	171. DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	184. DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	183. DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	182. DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	168. DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	182. DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	184. DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	145. DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	184. DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE8959	227. DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	141. DEGF	BFPT 1A EXTR DR T		
TECTE1046	170. DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRW2

IP14_006657

UNDER SOFTWARE LOCK 05/16/87 05:48:53 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	84. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	92. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	126. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	113. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	112. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	100. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	104. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	96. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	139. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	120. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	115. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	102. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	101. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	119. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	102. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	100. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006658

UNDER SOFTWARE LOCK 05/16/87 06:02:15 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	619.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0418	122.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	314.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE0417	78.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE0419	72.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE0088	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1205	995.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1206	80.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	376.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE0997	102.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006659

UNDER SOFTWARE LOCK [redacted] 05/16/87 06:02:32 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
TECTE1015	286.	DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	169.	DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	185.	DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	179.	DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	182.	DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	147.	DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	182.	DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	184.	DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	140.	DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	184.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE0959	219.	DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	141.	DEGF	BFPT 1A EXTR DR T		
TECTE1046	170.	DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006660

UNDER SOFTWARE LOCK 05/16/87 06:03:12 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	84. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	92. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	126. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	111. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	111. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	98. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	104. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	95. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	138. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	119. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	116. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	113. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	101. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	100. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	118. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	102. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	98. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006661

UNDER SOFTWARE LOCK 05/16/87 06:19:18 F1-20

MEASUREMENT DISPLAY

HP STM DRAIN TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
SGGTE1154	617.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE8418	122.	DEGF	MN ST LINE DRN TO BLWDN TANK T		
SGGTE1153	309.	DEGF	MAIN STEAM DR TO BLOWDOWN TK T		
SGFTE8417	78.	DEGF	BFPT DRAIN TO BLOWDOWN TANK T		
SGGTE8419	72.	DEGF	MN ST LINE WRMG DSUPHTR 1 IN T		
SGGTE8888	99.	DEGF	MN ST LINE WRMG DSUPHTR 1 OUT T		
SGJTE1285	395.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1286	83.	DEGF	COLD RH DR DSUPHTR INLET TEMP		
SGJTE1157	374.	DEGF	SG S HOT RH OUT TO DR DSUPHTR		
SGJTE1158	358.	DEGF	SG N HOT RH OUT TO DR DSUPHTR		
SGJTE8997	102.	DEGF	HOT RH DR DSUPHTR 3 T		

FORWARD PAGING DRN1

IP14_006662

UNDER SOFTWARE LOCK 05/16/87 06:19:39 F1-20

MEASUREMENT DISPLAY

HP/IP EXTR STM DRN HDR TEMPS

BLOCK	VALUE		DESCRIPTION	STATUS	ALARM
TECTE1015	273.	DEGF	HP HTRS 8A & 8B TURB DRAIN T		
TECTE1016	166.	DEGF	HP HTR 8A EXTRACTION DRAIN T		
TECTE1017	185.	DEGF	HP HTR 8B EXTRACTION DRAIN T		
TECTE1018	171.	DEGF	HP HTRS 6A & 6B TURB DRAIN T		
TECTE1019	101.	DEGF	HP HTR 6A EXTRACTION DRAIN T		
TECTE1020	110.	DEGF	HP HTR 6B EXTRACTION DRAIN T		
TECTE1021	101.	DEGF	BFPT 1B EXTRACTION DRAIN T		
TECTE1022	103.	DEGF	BFPT 1A EXTRACTION DRAIN T		
TECTE1023	103.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1024	137.	DEGF	BFPT 1A & 1B TURB EXTR DRAIN T		
TECTE1025	103.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE1026	104.	DEGF	DEA HTR 5 TURB EXTR DRAIN T		
TECTE0959	289.	DEGF	HP COND TO DSUPHTR LINE T		
TECTE1045	141.	DEGF	BFPT 1A EXTR DR T		
TECTE1046	170.	DEGF	BFPT 1B EXTR DR T		

FORWARD PAGING DRN2

IP14_006663

UNDER SOFTWARE LOCK 05/16/87 06:20:00 F1-20

MEASUREMENT DISPLAY

LP 1A/1B/1C EXTR STM DRN HDR TEMPS

BLOCK	VALUE	DESCRIPTION	STATUS	ALARM
TECTE1027	84. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1028	91. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1029	125. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1030	108. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1031	108. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1032	95. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1033	103. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1034	94. DEGF	LP HTR 2 EXTRACTION DRAIN T		
TECTE1035	138. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1036	117. DEGF	LP HTR 3 EXTRACTION DRAIN T		
TECTE1037	121. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1038	110. DEGF	LP HTR 4 EXTRACTION DRAIN T		
TECTE1039	101. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1040	98. DEGF	LP HTR 2 EXTR DRAIN T		
TECTE1041	117. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1042	103. DEGF	LP HTR 3 EXTR DRAIN T		
TECTE1043	88. DEGF	LP HTR 4 EXTR DRAIN T		
TECTE1044	96. DEGF	LP HTR 4 EXTR DRAIN T		

FORWARD PAGING DRN3

IP14_006664

ASME - TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: CONDENSATE P+ID# 2FWC-M2037

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-26	DA Recirc to Cond	Mezz - West Side Condenser	CRI	O	C							
BV-27	" " " "	"	CRI	O	C							
MBV-90	" " " "	"	CRI	C	C							
BV-85	" " " "	"	N	O	C	C	C	mp				
BV-86	" " " "	"	N	O	C	C	C	mp				
BV-105	-telltale	"	N	C	C	C	C	mp				
BV-110	-telltale	"	N	C	C	C	C	mp				
BV-24	APH CNDS Supply	Mezz above CGR pumps	N	O	C	C	C	mp				
BV-23	DA tank Belly Drn	11th floor	N	C	C	C	C	mp				
1BV-9	CNDS Bypass Htr 1	Mezz 2 floor SW turb-next to stairs	N	C	C	C	C	mp				
1BV-16	CNDS Bypass Htr 2	Mezz floor SW of manelev	N	C	C	C	C	mp				
1BV-17	CNDS Bypass Htr 3	5th floor SW Boiler	N	C	C	C	C	mp				
1BV-18	CNDS Bypass Htr 4	" "	N	C	C	C	C	mp				

IP14_0066665

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: CONDENSATE POLISHERS P+ID #2FWD-MJ038A/38B

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
3V-121 (38B)	MU to Regen Pumps	1st floor next to CNDS MU Bster Pump	CR III	O	C							Regen Pumps - off
3V-125	" " " "	"	CR III	O	C							make sure pu
1BV-76 (38A)	CNDS DEMIN 2A DRN	1st floor East of Demin	N	C	C	C	C					don't start
1BV-77	" " 2B "	"	N	C	C	C	C					
1BV-78	" " 2C "	"	N	C	C	C	C					
1BV-79	" " 2D "	"	N	C	C	C	C					
1BV-72	DM 2A Resin Xfer Valve	"	N	C	C	C	C					
1BV-73	" 2B " " "	"	N	C	C	C	C					
1BV-74	" 2C " " "	"	N	C	C	C	C					
1BV-75	" 2D " " "	"	N	C	C	C	C					

IP14_006666

[illegible] TURBINE PERFORMANCE TESTING UNIT # 2 Test # 9 & 10

6193

Cycle Isolation Check off Sheets

Before Test-Isolation: Start 0200 End 0205

After Test-Isolation: Start _____ End _____

Name [illegible]

Date: 05/16/87

SYSTEM: STEAM CYCLE SAMPLING & ANALSIS P+ID # 2SAC-M2054A (1 of 2)

alve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
BV-17	LAB SAMPLE #1 MU to Cond	Water Lab Panel Behind	CRII	O	C	O	C	[illegible]	C	O	DH	
BV-5	" BD		N		C	C	C	[illegible]	C	C		
BV-30	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-6	LAB SAMPLE #2 CP Disc BD		N		C	C	C	[illegible]	C	C		Sample #2 - OPEN
BV-19	LAB SAMPLE #3 Demin 1A Outlet		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-7	" BD		N		C	C	C	[illegible]	C	C		
BV-32	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-20	LAB SAMPLE #4 Demin 1B Outlet		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-8	" BD		N		C	C	C	[illegible]	C	C		
BV-33	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-21	LAB SAMPLE #5 Demin 1C Outlet		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-9	" BD		N		C	C	C	[illegible]	C	C		
BV-34	" Needle Valve		CRII	O	C	C	C	[illegible]	C	O	DH	
BV-22	LAB SAMPLE #6 Demin 1D Out		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-10	" BD		N		C	C	C	[illegible]	C	C		
BV-35	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-23	LAB SAMPLE #7 Cnds Polishing Out		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-11	" BD		N		C	C	C	[illegible]	C	C		
BV-36	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-1 (BV 25)	LAB SAMPLE #10 Cnds after Gland Cond	(Switches w/ #8)	CRII	O	C	O	C	[illegible]	C	O	DH	
BV-12	" BD		N		C	C	C	[illegible]	C	C		
BV-24	"		CRII	O	C	O	C	[illegible]	C	O	DH	
BV-37	" Needle Valve		CRII	O	C	O	C	[illegible]	C	O	DH	
[illegible]								[illegible]				

IP14_006667

[illegible] TESTING UNIT 2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: STM CYCLE SAMPLING + ANALYSIS P+ID # 2SAC-M2054A (2 of 2)

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
BV-2	LAB SAMPLE 9 DA Inlet	WATER LAB - Behind Panel	CR II	O	C	C	C	[illegible]	C	C	DH	
BV-13	LAB SAMPLE 10 DA Outlet BD		N		C	C	C	[illegible]	C	C		Sample #10 - OPEN
BV-26	LAB SAMPLE 11 ECON INLET		CR II	O	C	O	C	[illegible]	C	O	DH	Sample #11 - close ro valves
BV-14	" BD		N		C	C	C	[illegible]	C	C		
BV-39	" Needle Valve		CR II	O	C	O	C	[illegible]	C	O	DH	
BV-15	LAB SAMPLE 12 Drum BD		N	O	C	C	C	[illegible]	C	C	DH	Sample #12 - OPEN
BV-3	LAB SAMPLE 13 Sat Stm		CR II	O	C	C	C	[illegible]	C	O	DH	Sample #13 - close ro valve
BV-4	LAB SAMPLE 14 Main Stm		CR II	O	C	C	C	[illegible]	C	C	DH	Sample #14 - close ro valves
BV-16	" BD		N		C	C	C	[illegible]	C	C		
BV-26	"		CR II	O	C	C	C	[illegible]	C	O	DH	
BV-41	"		CR II	O	C	C	C	[illegible]	C	O	DH	
3V-107	Sample Recovery Pump Suction		N	O	C	C	C	[illegible]	C	C		
3V-110	Discharge		N	O	C	C	C	[illegible]	C	C	[illegible]	

IP14_006668

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: STEAM GENERATOR P&ID# 2SGA-M2063A

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
1BV-142	BLR SB STM SUPPLY	18th floor East End - Middle Blr	N	C	C	O	C		+ C	C	RoG	
BV-141	" " " "	"	N	O	C	O	C		+ C	O	DMa	
1BV-144	BLR SB Stm SUPPLY	"	N	C	C	C	C					
BV-143	" " " "	"	N	O	C	C	C					
1BV-24	CGR SB STM SUPPLY	"	N	C	C	C	C					
BV-17	" " " "	"	N	O	C	C	C					
1BV-140	RAH SB STM SUPPLY	18th floor West Side	N	C	C	C	C					
BV-139	" " " "	"	N	O	C	O	C		+ C	O	DMa	
1BV-194	STM SUPPLY AUX HDR	17th floor West Side	N	C	C	C	C					
BV-10	" " " "	"	CRII	O	C							
1CV-134	SH BYPASS TO RH	18th floor West Side	N	C	C	C	C					
1UV-133	" " " "	"	N	C	C	C	C					
1BV-135	" " " "	12th floor N West Side	N	C	C	C	C					
BV-125	" " " "	"	N	O	C	C	C					
BV-136	SH BYPASS to COND	Mezz floor West Cond IC	N	O	C	C	C					
BV-138	"	"	N	O	C	C	C					
BV-169	"	"	N	O	C	C	C					
BV-170	"	"	N	O	C	C	C					
BV-195	STM TRAP 2	16th west	CRII	O	C							

IP14_006669

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: STEAM GENERATOR P&ID # 2SGA-M2063B

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-3	CONTINUOUS BLOW DOWN	18th E. END DRUM	CR II	O	C							
4BV-4	"	18th E. END DRUM	CR II	O	C							
BV-1	AUX STEAM SUPPLY	18th S. Drum MIDDLE	CR II	O	C							
4BV-2	"	"	CR II	C	C							
BV-18	DRAIN TO BLOWDOWN HEADER	18th W. END BOILER DRUM	N	C	C	C	C	mp				
BV-19	FROM LG-2	"	N	C	C	C	C	mp				
BV-208	"	"	N	C	C	C	C	mp				
BV-25	DRAIN TO BLOWDOWN HEADER FROM LG-3	"	N	C	C	C	C	mp				
BV-26	"	"	N	C	C	C	C	mp				
BV-209	"	"	N	C	C	C	C	mp				
BV-31	DRAIN TO BLOWDOWN HEADER FROM PS-5	"	N	C	C	C	C	mp				
BV-32	"	"	N	C	C	C	C	mp				
BV-11	DRAIN TO BLOWDOWN FROM LG-1	18th E. END BOILER DRUM	N	C	C	C	C	mp				
BV-12	"	"	N	C	C	C	C	mp				
BV-207	"	"	N	C	C	C	C	mp				
BV-172	SAMPLE 13	18 S. SIDE DRUM	CR II	O	C							
BV-199	STM TRP 3	"	CR II	O	C							

IP14_006670

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: AIR PREHEAT P+ID# 25GC-M2065

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-113	DA WATER SUPPLY	Basement @ APH Pumps	N	O	C	C	C					
BV-114	" " "	"	N	O	C	C	C					
BV-119	" " "	"	N	O	C	C	C					
BV-122	APH Recirc to Pump	"	N	O	C	C	C					
BV-123	" " "	"	N	O	C	C	C					
BV-130	APH EMGCY RTN COND	"	N	O	C	C	C					
BV-131	" " " "	"	N	O	C	C	C					
BV-140	APH RTN to DA	13½ floor-east	N	O	C	C	C					
3V-141	APH RTN to COND	Basement West Side	N	O	C	C	C					
3V-137	" " "	"	N	O	C	C	C					
3V-139	" " "	"	N	O	C	C	C					

IP14_006671

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: BOILER VENTS AND DRAINS P&ID # 2SGF-M2068

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-28	LWR CONVECTION PASS HEADER DRAIN	10th WEST SIDE	CR~~III~~	O	C							
BV-35	"	"	CR~~III~~	O	C							
BV-41	SECONDARY SUPERHEAT OUTLET HEADER DRAIN	15th WEST SIDE	CR~~III~~	O	C							
BV-43	SECONDARY SUPERHEAT INTERM. INLET HEADER	"	CR~~III~~	O	C							
BV-45	"	"	CR~~III~~	O	C							
BV-49	SECONDARY SUPERHEAT PLATEN OUTLET DRAIN	"	CR~~III~~	O	C							
BV-51	ROOF INLET HEAD. DRAIN	"	CR~~III~~	O	C							
BV-55	LWR. CONVEC. PASS HEADER DRAIN	10th EAST SIDE	CR~~III~~	O	C							
BV-57	"	"	CR~~III~~	O	C							
BV-65	DOWN COMER DRAIN BLOW DOWN	2nd S. SIDE BOILER	CR~~III~~	O	C							
BV-30	ECONOMIZER INLET HEADER DRAIN	10th WEST SIDE	N	C	C	C	C	mp				
BV-33	REHEATER INLET HEADER DRAIN	" "	N	C	C	C	C	mp				
MBV-29	LOWER CONVECTION PASS HDR. DRN.	4th floor	N	C	C	C	C	mp				
BV-31	ECONOMIZER INLET HDR. DRAIN	" "	N	C	C	C	C	mp				
BV-34	REHEATER INLET HDR. DRAIN	" "	N	C	C	C	C	mp				
MBV-36	LOWER CONVECTION PASS HDR. DRN	" "	N	C	C	C	C	mp				
BV-38	REHEATER OUTLET HDR. DRAIN	" "	N	C	C	C	C	mp				
BV-40	"	" "	N	C	C	C	C	mp				
MBV-42	SECONDARY SUPERHEAT OUTLET HDR DRN	" "	N	C	C	C	C	mp				
MBV-44	SECONDARY SPRHTR INTERMED INLET DRN	" "	N	C	C	C	C	mp				
MBV-46	"	" "	N	C	C	C	C	mp				
BV-48	ECONOMIZER DISCH. HDR. DRN	" "	N	C	C	C	C	mp				
MBV-50	SECONDARY SPRHTR PLATEN INLET HDR DRN		N	C	C	C	C	mp				
MBV-52	ROOF INLET HDR. DRAIN		N	C	C	C	C	mp				

IP14_006672

MDME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Name _____

Before Test-Isolation: Start _____ End _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: BOILER VENTS & DRAINS P+ID# 2SGF-M2068 (CONT.)

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
BV-54	EAST ECONOMIZER DISCH. HDR. DRN.	4th FLOOR	N	C	C	C	C	mp				
MBV-56	LOWER CONVECTION PASS HDR. DRAIN	"	N	C	C	C	C	mp				
MBV-58	"	"	N	C	C	C	C	mp				
MBV-66	DOWNCOMER DRAIN MANIFOLD DRAIN	2ND S. BOILER	N	C	C	C	C	mp				
BV-59	WEST END DOWNCOMER DRAIN	"	N	C	C	C	C	mp				
BV-60	"	"	N	C	C	C	C	mp				
BV-61	WEST SHELL DOWNCOMER DRAIN	"	N	C	C	C	C	mp				
BV-62	"	"	N	C	C	C	C	mp				
BV-63	CENTER SHELL DOWNCOMER DRAIN	"	N	C	C	C	C	mp				
BV-64	"	"	N	C	C	C	C	mp				
BV-67	EAST SHELL DOWNCOMER DRAIN	"	N	C	C	C	C	mp				
BV-68	"	"	N	C	C	C	C	mp				
BV-69	EAST END DOWNCOMER DRAIN	"	N	C	C	C	C	mp				
BV-70	"	"	N	C	C	C	C	mp				
BV-37	REHEATER OUTLET HDR	15th WEST	N	C	C	C	C	mp				
BV-39	" " "	"	N	C	C	C	C	mp				
BV-47	ECONOMIZER DISCH. LINE	"	N	C	C	C	C	mp				
BV-53	"	"	N	C	C	C	C	mp				

IP14_006673

HSME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: MAIN STEAM P&ID # 25GG-M2069

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
1BV-9	HP STM to BFPT 1A	Turb Deck NE Corner on BFPT1A	CR I	O	C							
1BV-10	HP STM to BFPT 1B	Turb Deck SW on BFPT1B	CR I	O	C							
BV-23	MBV-9 Bypass	Turb Deck BFPT 1A NE	N	C	C	C	C					
BV-24	MBV-10 Bypass	Turb Deck BFPT 1B SW	N	C	C	C	C					
BV-58	MStm WARMING LINE	Mezz Deck East of MCC 2A03	CR III	O	C							
MCV-18	" " "	"	N	C	C	C	C					
1BV-17	" " "	"	N	C	C	C	C					
MBV-11	BFPT HPSTM DRN to BD Tank	Mezz Floor Under Mstm Line NE	N	C	C	C	C					
1BV-12	" "	"	N	C	C	C	C					
1BV-55	" "	"	N	C	C	C	C					
1BV-56	" "	"	N	C	C	C	C					
1BV-13	MStm DRN to BD Tank	"	N	C	C	C	C					
1BV-14	" " "	"	N	C	C	C	C					
1BV-25	" " "	"	N	C	C	C	C					
MBV-26	" " "	"	N	C	C	C	C					
1BV-21	MStm Vent to Atm	14th floor middle	N	C	C	C	C					
BV 15	SAMPLE 14	MEZZ E. END	CR II	O	C							
BV 16	"	MEZZ E END	CR II	O	C							

IP14_0006674

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-18

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: SOOT BLOWING P&ID # 25GI-M2070

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
ACV-26	SECONDARY SUPERHTR. PLATEN OUTLET HDR.	18th WEST SIDE BOILER	N		C	O	C	[illegible]				DISABLE SOOT
ACV-25	"	18th EAST SIDE BOILER	N		C	C	C					BLOWING SYSTE
ACV-3	SECONDARY SUPERHTR. OUTLET HDR.	18th WEST SIDE BOILER	N		C	C	C					AT CONTROL
ACV-4	"	"	N		C	C	C					PANEL
MBV-35	HP EXTRACTION DRAIN HDR.	4th S.E. Side BOILER	N		C	C	C					
MBV-178	"	1½ floor N.E side of BOILER (M201)	N		C	C	C					

IP14_006675

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: REHEAT SYSTEM P&ID # 2SGJ-M2071

alve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-56	Steam trap 1 INLET ISOL. VLV.	GF 204-B	CRII	O	C							
BV-57	STEAM TRAP 1 OUTLET ISOL. VLV.	"	CRII	O	C							
MBV-16	HOT Reheat DRAIN to DESPRHTR 3	GF - 204-C	N	C	C	C	C	MP				
MBV-14	"	"	N	C	C	C	C	MP				
MBV-18	COLD REHEAT DRN TO DESPRHTR 2	GF - 204-B	N	C	C	C	C	MP				
ACV-58	ATTEMPERATOR SPRAY WATER From BFPT's	7th FLOOR EAST ELEV.	N	C	C	C	C	MP				
ABV-66	"	"	N	C	C	C	C	MP				
ACV-59	"	"	N	C	C	C	C	MP				
ABV-67	"	"	N	C	C	C	C	MP				
BV-90	COND to CRH DSPRHTR 2	MEZZ	CRII	O	C							

IP14_0006676

HSME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date _____

SYSTEM: EXTRACTION TRAPS & DRAINS P&ID # 2TEC-M2075

CRITICAL VALVES (1/4)

Valve #	Description		Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-27	LP HTR 2	LP TURB SECTION 1B	BSMT. N.W. CORNER OF CONDENSER ON BOTTOM ROW	CRIII	O	C							
BV-31	LP HTR 2			CRIII	O	C							
BV-35	LP HTR 3			CRIII	O	C							
BV-39	LP HTR 3			CRIII	O	C							
BV-43	LP HTR 4			CRIII	O	C							
BV-47	LP HTR 4			CRIII	O	C							
BV-3	LP HTR 2	LP TURB SECTION 1A	BSMT N.E CORNER OF CONDENSER	CRIII	O	C							
BV-7	LP HTR 2			CRIII	O	C							
BV-11	LP HTR 3			CRIII	O	C							
BV-15	LP HTR 3			CRIII	O	C							
BV-19	LP HTR 4			CRIII	O	C							
BV-23	LP HTR 4			CRIII	O	C							
BV-51	LP HTR 2	LP TURB. SECTION 1C	BSMT. N.W. CORNER OF CONDENSER TOP ROW	CRIII	O	C							
BV-55	LP HTR 2			CRIII	O	C							
BV-59	LP HTR 3			CRIII	O	C							
BV-63	LP HTR 3			CRIII	O	C							
BV-67	LP HTR 4			CRIII	O	C							
BV-71	LP HTR 4			CRIII	O	C							
BV-65	LT. HTR 4		BSMT. N.W CORNER CONDENSER CEILING	CRIII	O	C							
BV-73	HP HTR's 8A & 8B		GF - EAST OF LUBE OIL CENT	CRI	O	C							
BV-79	HP HTR 8A		"	CRI	O	C							
BV-75	HP HTR's 8A & 8B		"	CRI	O	C							
BV-81	HP HTR 8A		"	CRI	O	C							
BV-105	HP HTR 6B			CRI	O	C							

IP14_006677

TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Name _____

Before Test-Isolation: Start _____ End _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: EXTRACTION TRAPS & DRAINS P&ID # 2 TEC-M2075

CRITICAL VALVES (Cont.) 2/4

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-121	EXTRC. RFPT 1A & 1B	GF EAST OF LUBE OIL CENT	CRI	O	C							

TURBINE PERFORMANCE TESTING UNIT "C" Test # 9-10

Cycle 1 Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: EXTRACTION TRAPS & DRAINS P&ID# 2TEC-M2075 pg 3 of 4

NON-CRITICAL VALUES

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
TEC-ACV-74	HP HTRS 8A & 8B EXTRACTION DRAIN	GF BY Lo CONT.	N	C	C	C	C	[illegible]				
ACV-80	HP HTR 8A EXTRACTION DRAIN	"	N	C	C							
ACV-86	HP HTR 8B EXTRACTION DRN.	"	N	C	C							
ACV-92	HP HTRS 6A & 6B EXTRCT. DRN.	"	N	C	C							
ACV-98	HP HTR 6A EXTRCT. DRN.	"	N	C	C							
ACV-104	HP HTR 6B EXTRCT. DRN.	"	N	C	C							
ACV-140	BFPT 1B EXTRCT DRN.	"	N	C	C							
ACV-134	BFPT 1A EXTRCT. DRN.	"	N	C	C							
ACV-128	DEA HTR 5 EXTRCT. DRN.	"	N	C	C							
ACV-122	BFPT 1A & 1B EXTRCT DRN.	"	N	C	C							
ACV-116	DEA HTR 5 EXTRCT. DRN.	"	N	C	C							
ACV-110	"	"	N	C	C							
ACV-26	LP HTR 2 EXTRCT DRN	GF NWEST OF LP COND	N	C	C							
ACV-30	"	"	N	C	C							
ACV-34	LP HTR 3 EXTRCT DRN	"	N	C	C							
ACV-38	"	"	N	C	C							
ACV-42	LP HTR 4 EXTRCT DRN	"	N	C	C							
ACV-46	"	"	N	C	C							
ACV-50	LP HTR 2 EXTRACTION DRN	"	N	C	C							
ACV-54	"	"	N	C	C							
ACV-58	LP HTR 3 EXTRACTION DRN	"	N	C	C							
ACV-62	"	"	N	C	C							
ACV-66	LP HTR 4 EXTRACTION DRN	"	N	C	C							
ACV-70	"	"	N	C	C							

IP14_006679

... TURBINE PERFORMANCE TESTING UNIT "C" Test " 470

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: EXTRACTION TRAPS & DRAINS P&ID# 2TEC-M2075 pg. 4 of 4

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
ACV-2	LP HTR 2 EXTRACTION DRN	WEST OF GF 40 CENT.	N	C	C	C	C					
ACV-6	"	"	N	C	C	C	C					
ACV-10	LP HTR 3 EXTRACTION DRN	"	N	C	C	C	C					
ACV-14	"	"	N	C	C	C	C					
ACV-18	LP HTR 4 EXTRACTION DRN	"	N	C	C	C	C					
ACV-22	"	"	N	C	C	C	C					
ACV-146	BFPT 1C to LP COND	2ND	N	C	C	C	C					
ACV-152	BFPT 1A to HP COND	"	N	C	C	C	C					
BV-163	MISC. DRAINS RECV. TANK DRN	GF MISC. DRAINS RECVR.	N	C	C	C	C					

IP14_0066680

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: HIGH PRESSURE HEATER DRAINS P&ID # 2TED-M2076

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-20	HTR 8A ALTN (HI LEVEL) DUMP	Ground Floor East Side Cond 1A	CRI	O	C							
BV-19	"	"	CRI	O	C							
BV-22	HTR 8B ALTN (HI LEVEL) DUMP	"	CRI	O	C							
BV-21	"	"	CRI	O	C							
BV-28	HTR 7A ALTN (HI LEVEL) DUMP	"	CRI	O	C							
BV-27	"	"	CRI	O	C							
BV-30	HTR 7B ALTN (HI LEVEL) DUMP	"	CRI	O	C							
BV-29	"	"	CRI	O	C							
BV-36	HTR 6A ALTN (HI LEVEL) DUMP	"	CRI	O	C							
BV-35	"	"	CRI	O	C							
BV-38	HTR 6B ALTN (HI LEVEL) DUMP	"	CRI	O	C							
BV-37	"	"	CRI	O	C							
NCV-13	HP Htr Drains Pump 1A Recirc	3rd Floor Near HP Htr 6A	N	C	C	C	C	mp				
NCV-14	" 1B	" 6B	N	C	C	C	C	mp				

IP14_006681

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: LOW PRESSURE HEATER DRAINS P&ID# 2TEE-M2077 / 2FWF-M2040

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-17	Htr 4 ALTN (HI LEVEL) DUMP	Mezz floor West Side Cond IC	CRI	O	C							
BV-9	"	"	CRI	O	C							
BV-19	Htr 3 ALTN (HI LEVEL) DUMP	Ground floor West Side Cond IC	CRI	O	C							
BV-11	"	"	CRI	O	C							
BV-21	Htr 2 ALTN (HI LEVEL) DUMP	"	CRI	O	C							AT LOW LOAD MAY LEAVE ALT DRN VLV to LP HTR 2 OPEN & CLOSE NORMAL DRAIN RV-12, 20
BV-13	"	"	CRI	O	C							
BV-22	FLASH TANK ALTN (HI LEVEL) DUMP	Ground floor SW Corner Cond IC	CRI	O	C							
BV-15	"	"	CRI	O	C							
BV-129	Cycle MU to LP DRNS	Ground floor @ DRN COOLER	N	C	C	c	c	[illegible]				
FWF (M2040) BV-66	Cycle MU to LP DRNS	Ground floor Overhead So. of DRNCLR	N	O	C	c	c	[illegible]				

IP14_006682

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: HEATER VENTS & MISCELLANEOUS DRAINS P&ID # 2TEF-M2078A page 1 of 2

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-3	DEA HTR 5 CONTINUOUS VENT to ATM	14th	CR II	O	C							
BV-7	"	"	CR II	O	C							
BV-11	"	"	CR II	O	C							
BV-75	CONTINUOUS VENT HP HTR 8A TO DEA 5	6th	CR II	O	C							
BV-76	HP HTR 7A CONTINUOUS VENT TO DEA HTR 5	5th	CR II	O	C							
BV-77	HP HTR 6A CONTINUOUS VENT TO DEA HTR 5	3rd	CR II	O	C							
BV-80	"	"	CR II	O	C							
BV-79	HP HTR 7A "	5th	CR II	O	C							
BV-78	HP HTR 8A	6th	CR II	O	C							
BV-85	HP HTR 6A S/u VENT TO DEA HTR 5	3rd	N	C	C	C	C	mp				
BV-86	"	"	N	C	C	C	C	mp				
BV-91	HP HTR 6B S/u VENT TO DEA HTR 5	"	N	C	C	C	C	mp				
BV-92	"	"	N	C	C	C	C	mp				
BV-83	HP HTR 7A S/u VENT TO DEA HTR 5	5th	N	C	C	C	C	mp				
BV-84	"	"	N	C	C	C	C	mp				
BV-89	HP HTR 7B S/u VENT TO DEA HTR 5	"	N	C	C	C	C	mp				
BV-90	"	"	N	C	C	C	C	mp				
BV-81	HP HTR 8A S/u VENT TO DEA HTR 5	6th	N	C	C	C	C	mp				
BV-82	"	"	N	C	C	C	C	mp				
BV-87	HP HTR 8B S/u VENT TO DEA HTR 5	"	N	C	C	C	C	mp				
BV-88	"	"	N	C	C	C	C	mp				
BV-2	DEA HTR 5 Bypass CONTINUOUS VENT TO ATMOS	14th	N	C	C	C	C	mp				
BV-4	"	"	N	C	C	C	C	mp				
BV-6	"	"	N	C	C	C	C	mp				

IP14_006683

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: HEATER VENTS & MISCELLANEOUS DRAINS P&ID# 2TEF-M2078A page 2 of 2

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
BV-8	DEA HTR 5 Bypass CONTINUOUS VNT TO ATMS	14th	N	C	C	C	C	mp				
BV-10	"	"	N	C	C	C	C	mp				
BV-12	"	"	N	C	C	C	C	mp				
BV-14	"	"	N	C	C	C	C	mp				

IP14_0066684

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: HEATER VENTS & MISCELLANEOUS DRAINS P&ID # 2 TEF-M2078B

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-162	LP HTR 4 CONT. VENT	5th	CRII	O	C							
BV-163	LP HTR 3 CONT VENT	3RO	CRII	O	C							
BV-170	LP HTR 3 S/u VENT TO COND	"	N	C	C	C	C	mp				
BV-171	LP HTR 2 S/u VENT TO COND	MezZ	N	C	C	C	C	mp				
BV-174	LP HTR 1A S/u VENT TO COND	"	N	C	C	C	C	mp				
BV-173	LP HTR 1B S/u VENT	"	N	C	C	C	C	mp				
BV-172	LP HTR 1C S/u VENT	"	N	C	C	C	C	mp				
BV-168	DRAIN COOLER 1 VENT TO COND	GF	N	C	C	C	C	mp				
BV-169	LP HTR 4 S/u VENT	5th	N	C	C	C	C	mp				

IP14_006685

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: TURBINE P&ID # 2TGA-M2079

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
TGA-BV-5	SPRAY SUPPLY VLV FROM CONDENSING	3rd BY GE TRAILER	CRII	O	C							

IP14_006686

TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: TURBINE SEALS & DRAINS P&ID # 2TGG-M2080A

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-58	aux. STEAM TO COLD REHEAT	MEZZ. top of VALVE DECK	CRII	O	C							
BV-10	MAIN STEAM TO TURBINE seals & drns	MEZZ. MN STEAM	CRI	O	C							
MBV-16	aux. STEAM to COLD REHEAT	MEZZ. top of VALVE DECK	N	C	C	C	C	mf				
ACV-5	aux. STEAM to STEAM seal HDR	"	N	C	C	C	C	mf				
MBV-6	"	"	N	C	C	C	C	mf				
ACV-17	HP TURBINE LEAKOFF to STEAM seal HDR	"	N	O	C	C	C	mf				
ACV-1	MAIN STEAM to STEAM seal HDR	"	N	O	C	C	C	mf				
MBV-2	"	"	N	O	C	C	C	mf				
MBV-3	"	"	N	O	C	C	C	mf				
BV-25	COND. TO STEAM SEAL DSPRHTR 1	MEZZ - STEAM PACKING EXHAUSTER	N	C	C	C	C	mf				

IP14_006687

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: TURBINE SEALS & DRAINS P&ID# 2TGC-M2080B

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
MBV-31	COMBINED REHEAT VALVE 1A3 AFTER SEAT DRN	MEZZ	N	O	C	C	C	[illegible]				
MBV-32	COMB. REHEAT VLV 1B3 AFTER SEAT DRN	"	N	O	C	C	C	[illegible]				
MBV-33	MN. STM. STOP VLV. 1A1 BEFORE SEAT DRN	"	N	O	C	C	C	[illegible]				
MBV-37	TURB. CNTRL VLV 1A2 BEFORE SEAT DRN	"	N	O	C	C	C	[illegible]				
MBV-34	MN. STM STOP VLV 1B1 BSD	"	N	O	C	C	C	[illegible]				
MBV-38	TURB CNTRL VLV 1B2 BSD	"	N	O	C	C	C	[illegible]				
MBV-35	MN. STEAM STOP VLV. 1C1 BSD	"	N	O	C	C	C	[illegible]				
MBV-39	TURB CNTRL VLV. 1C2 BSD	"	N	O	C	C	C	[illegible]				
MBV-36	MN. STEAM STOP VLV. 1D1 BSD	"	N	O	C	C	C	[illegible]				
MBV-40	TURB. CONTROL VLV. 1D2 BSD	"	N	O	C	C	C	[illegible]				
MBV-49	DRAIN HDR CONTROL VLV.	GF	N	O	C	C	C	[illegible]				

IP14_006688

TEST # 9, 10 DATE 5/16/87

MASTER

TURBINE PERFORMANCE TESTING - CRITICAL VALVES

I - HIGHEST PRIORITY, IMMEDIATELY AFTER TRIP
II - RETURN TO SERVICE AFTER PRIOR. #1
} RESTORE BETWEEN TESTS
III - " " " " END OF DAY OR TRIP

PRIORITY I VALVES (PAGE 1 OF 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOCK INIT.	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
M2076	2TED-BV-0019	HP HTR 8A ALT. HLVL DUMP	GF - EAST OF COND	C / CG	CG	DA	TM
"	" 0020	" 8A "	"	C / CG	CG	DA	TM
"	" 0027	" 7A "	"	O / CG	CG	DA	TM
"	" 0028	" 7A "	"	O / CG	CG	DA	TM
"	" 0035	" 6A "	"	C / CG	CG	DA	TM
" GF EAST	" 0036	" 6A "	"	C / CG	CG	DA	TM
"	" 0021	" 8B "	"	O / CG	CG	DA	TM
"	" 0022	" 8B "	"	O / CG	CG	DA	TM
"	" 0029	" 7B "	"	O / CG	CG	DA	TM
"	" 0030	" 7B "	"	O / CG	CG	DA	TM
"	" 0037	" 6B "	"	C / CG	CG	DA	TM
"	" 0038	" 6B "	"	C / CG	CG	DA	TM
M2020	2HRA-BV-0019	COND. NORMAL DRAWOFF	GF SW CORNER OF COND	O / cm	CM	Cm	DA
"	-0020	"	"	O / cm	CM	Cm	DA
M2077	2TEE-BV-0011	LP HTR 3 ALT. HLVL DUMP	GF - WEST OF COND	O / cm	CM	Cm	DA
"	" 0019	" 3 "	"	O / cm	CM	Cm	DA
"	" 0013	" 2 "	"	O / cm	CM	Cm	DA
	LOW LOAD 0012	" 2 NORMAL					
"	" 0021	" 2 "	"	O / cm	CM	Cm	DA
	LOW LOAD 0020	" 2 NORMAL					
"	" 0015	FLASH TANK "	GF - SW OF COND	O / cm	CM	Cm	DA
"	" 0022	" " 6021	"	O / cm	CM	Cm	DA

IP14_006689

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 1 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2054A	2SAC-BV-0017	SAMPLE 1 MU to COND.	GF Chem LAB				
"	" 0030	"	"				
"	" 0019	SAMPLE 3 DEMIN. 1A OUTLET	"				
"	" 0032	"	"				
"	" 0020	SAMPLE 4 DEMIN. 1B OUTLET	"				
"	" 0033	"	"				
"	" 0021	SAMPLE 5 DEMIN. 1C OUTLET	"				
"	" 0034	"	"				
"	" 0022	SAMPLE 6 DEMIN 1D OUTLET	"				
"	" 0035	"	"				
" LAB	" 0023	SAMPLE 7 COND. POL. OUTLET	"	LAB			
"	" 0036	"	"		LAB		
"	" 0001	SAMPLE 8 COND. AFTER GLAND COND.	"				
"	" 0002	SAMPLE 9 DA INLET	"			LAB	
"	" 0024	"	"				
"	" 0037	"	"				LAB
"	" 0026	SAMPLE 11 ECON. INLET	"				
"	" 0039	"	"				
"	" 0003	SAMPLE 13 SAT. STEAM	"				
"	" 0004	SAMPLE 14 MN. STEAM	"				
"	" 0028	"	"				
"	" 0041	"	"				
M2075	2TEC-BV-0065	LP HTR 4 LP TURBIN SECT. 1C	GF NW CORNER COND CEILING	O CG	CG	DA	DA
M2071	2SGJ-BV-0056	COLD RH STM TRP 1 INLET	GF 204-B	O CG	CG	DA	DA
"	" 0057	" OUTLET	"	O CG	CG	DA	DA
M2069	2SGG-BV-0015	MN. STM. SAMPLE 14	TOP OF MEZZ MN STM	O CG	CG	DA	DA
"	" 0016	" GF EAST	"	O CG	CG	DA	DA

IP14_006690

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 2 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	KV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2021	2HRB-BV-0109	SEPARATOR 1D Mu	MEZZ. CONDENSER VAC. PMPS	0 cm	CM	cm	DA
"	" 0110	" 1C "	"	0 cm	CM	cm	DA
"	" 0111	" 1B "	"	0 cm	CM	cm	DA
"	" 0112	" 1A "	"	0 cm	CM	cm	DA
M2071	2SGJ-BV-0090	COND to CRH DSPRHTR 2	MEZZ 3rd by	0 cm	CM	cm	DA
M2079	2TGA-BV-0005	HOOD SPRAY SUPPLY	GE Trailer	0 cm	CM	cm	DA
M2078B	2TEF-BV-0163	LP HTR 3 CONTINUOUS vent to COND	3rd LP HTR 3	0 cm	CM	cm	DA
M2078A	2TEF-BV-0077	HP HTR 6A CONTINUOUS vent to DEA	3rd HP HTR 6A	0 cm	CM	cm	DA
"	" 0080	" 6B "	3rd HP HTR 6B	0 cm	CM	cm	DA
"	" 0076	" 7A "	5th HP HTR 7A	0 km	Km	Km	Km
"	" 0079	" 7B "	5th HP HTR 7B	0 km	Km	Km	Km
M2078B	" 0162	LP HTR 4 " to COND	5th LP HTR 4	0 km	Km	Km	Km
M2078A	" 0075	HP HTR 8A " to DEA	6th HP HTR 8A	0 km	Km	Km	Km
"	" 0078	" 8B "	6th HP HTR 8B	0 km	Km	Km	Km
M2035B	2FWA-BV-0202	Boiler Feed Sample 11	10th S OF MCC 2B09	0 km	Km	Km	Km
"	" 0203	"	"	0 km	Km	Km	Km
M2078A	2TEF-BV-0003	DEA CONTINUOUS VNT TO ATMOS.	14th top OF DEA	0 DC	DC	Km	Km
"	" 0007	"	"	0 DC	DC	Km	Km
"	" 0011	"	"	0 DC	DC	Km	Km
M2063B	2SGA-BV-0199	STM. TRAP 3	18th	0 DC	DC	Km	Km
M2063B	2SGA-BV-0172	STM. GEN. SAMPLE 13	17th S	0 DC	DC	Km	Km
"	" 0003	CONTINUOUS BLOWDOWN	18th E END OF DRUM	0 DC	DC	Km	Km
"	" MBV-4	"	"	0 DC	Closed →		→
"	" MBV-2	STM SUPPLY to Aux Stm	18th S OF DRUM	0 DC	Closed →		→
"	" BV-0001	"	"	0 DC	Closed →		→
M2008	2PSA-MBV-17	CRH SUPPLY to Aux Stm	9th Behind E ELEVATOR	0 km	CLOSED →		Km
"	" BV-12	" TURB	"	0 km	CLOSED →		Km
"	" BV-14	"	"	0 km	CLOSED →		Km
"	" BV-58	2ND SUPERHEAT to Aux Stm	17th W. SIDE	0 DC	CLOSED →		→
M2063A	2SGA-BV-0195	STEAM TRAP 2		0 DC	DC	Km	mP
M2063A	2SGA-BV-0010	M.S. Stm to Aux S...	"				→

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TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	NORM POSITION CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP 2A	Closed Closed	OPEN OPEN	Closed Closed	open open
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.	Closed Closed	OPEN OPEN	Closed Closed	open open

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	NEW POSITION / CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP 2A	Closed Closed	OPEN OPEN	CLOSED Closed	open open
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.	Closed Closed	OPEN OPEN	Closed Closed	Open Open

TEST #_____ DATE_____

P&ID	VALVE #	DESCRIPTION		LOCATION	PRIORITY	CLOSED C INITIAL	OPEN O INITIAL
M2075	2TEC-BV-0027	LP HTR 2	LP TURB. SECTION 1B	GF - NW CORNER OF COND. - Bottom Row	III	CM	DA
"	" 0031	"			III	CM	DA
"	" 0035	LP HTR 3			III	CM	DA
"	" 0039	"			III	CM	DA
"	" 0043	LP HTR 4			III	CM	DA
"	" 0047	"			III	CM	DA
"	" 0003	LP HTR 2	LP TURB. SECTION 1A	GF - NE CORNER OF COND.	III	CG	DA
"	" 0007	"			III	CG	DA
"	" 0011	LP HTR 3			III	CG	DA
"	" 0015	"			III	CG	DA
"	" 0019	LP HTR 4			III	CG	DA
"	" 0023	"			III	CG	DA
"	" 0051	LP HTR 2	LP TURB. SECTION 1C	GF - NW CORNER OF COND. TOP Row	III	CG	DA
"	" 0055	"			III	CG	DA
"	" 0059	LP HTR 3			III	CG	DA
"	" 0063	"			III	CG	DA
"	" 0067	LP HTR 4			III	CG	DA
"	" 0071	"			III	CG	DA
M2038 B	2FWD-BV-0121	COND. POLISH Regen Pump		GF	III	Km	Km
"	" 0125	"		"	III	Km	Km
M2008	2PSA-BV-0082	AUX. STM. TRAP 5		"	III	Km	Km
M2080A	2TGC-BV-0058	AUX. STM. to COND. RH		MEZZ. TOP OF VLV DECK	III	Km	Km
M2069	2SGG-BV-0058	MN. STM. WARMING LINE		MEZZ. NE OF MCC 2A03	III	Km	Km
M2068	2SGF-BV-0065	DOWNCOMER DRN. BLOWDOWN		MEZZ. S. SIDE Boiler	III	Km	Km
"	" 0055	LWR. CONVECTION PASS HDR		10th east	III	DC	MF
"	" 0057	"		"	III	DC	MF
"	" 0035	"		10th west	III	DC	MF
"	" [illegible]	"		"	III	DC	MF

Both GF's

IP14_006694

TEST # _____ DATE _____

P&ID	VALVE #	DESCRIPTION	LOCATION	PRIORITY	CLOSE C INITIAL	OPEN O INITIAL
M2068	2SGF-BV-0041	SECOND. SPRHTR OUT HDR.	15th - West	III	DC	MF
"	" 0043	" " INTERMED HDR	"	III	DC	MF
"	" 0045	" " " "	"	III	DC	MF
"	" 0049	" " PLATEN "	"	III	DC	MF
"	" 0051	ROOF INLET HDR	"	III	DC	MF
M2008	2PSA-BV-0026	TURBINE SEALS W/A STM	MEZZ 203-D	III	KM	KM

TEST 9:10
5/16/87

P&ID Checkoff List

P&I's	NON-CRITICAL COMPLETE	CRITI. COMPLETE	OPEN CRITICAL COMPLETE	OPEN NON-CRITICAL COMPLETE
9 PSA - M2008	RDG			
2 PSA - M2008	RDG			
2CCD - M2013A	RDG			
2HRA - M2020	RDG			
2HRB - M2021	N/A			
2 FWA - M2035A	RDG			
2 FWA - M2035 B	RDG			
2 FWA - M2035 C	RDG			
2 FWC - M2037	RDG			
2 FWD - M2038A	RDG			
2 FWD - M2038 B	N/A			
2 SAC - M2054 A	RDG			
2SCA - M2056A	RDG			
2SGA - M2063A	RDG			
2 SGA - M2063 B	RDG			
2 SGC - M2065	RDG			
2 SGF - M2068	RDG			
2 SGG - M2069	RDG			
2 SGI - M2070	RDG			
2 SGJ - M2071	RDG			
2 TEA - M2073	RDG			
2 TEC - M2075	RDG			
2 TED - M2076	RDG			
2TEE - M2077	RDG			
2FWF - M2040	RDG			
2TEF - M2078A	RDG			
2 TEF - M2078 B	RDG			
2 TGA - M2079	N/A			
2 TGC - M2080A	RDG			
2 TGC - M2080B	RDG			
2 FWB - M2036	N/A			

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9/10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: AUX. STEAM P+ID# 9PSA-M2008

alve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-16	Make-up from U2 D.A.	Bsmt. near BBFP 2C	N		C	C	C	mp				
BV-20	Make-up from U1/U2 D.A	Aux. Boiler	N		C	C	C	mp				
BV-22	Make-up from U1/U2 D.A	Aux Boiler	N	C	C	C	C	mp				
BV-18	Make-up from U1 D.A	Unit 1 Bsmt BBFP 2C	N		C	C	C	mp				

IP14_0069697

MDME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9 & 10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: AUX. STEAM P&ID # 2PSA-M2008 / 2TEA-M2073

alve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-21	DA-Pegging Stm	15th floor - North of east elevator	CRI	O	C							
BV-22	DA-Pegging Stm	"	CRI	O	C							
(BV-118)	" - tell tale valve	"	N	C	C	C	C	mp				
MBV-17	CRH Supply to Aux Stm	9th floor behind east elevator	CRII	O	C							
BV-36/37)	tell tale valves	"	N	C	C	C	C	mp				
BV-12	CRH Supply to Aux Stm	"	CRII	O	C							
BV-14	CRH Supply " "	"	CRII	O	C							
BV-15	CRH Supply " "	"	N	C	C	C	C	mp				
BV-133	Aux Stm to DA Tank	13th floor behind west elev - on DA tank	N	O	C	C	C	mp				
BV-6	" " " "	"	N	O	C	C	C	mp				
BV-134)	tell tale valve	"	N	C	C	C	C	mp				
BV-7	CNDS to Aux Stm DSH	5th floor by east elevator	N	O	C	O+	C	cm	+ C	O	Dma	
BV-8	" " " " "	"	N	O	C	O+	C	cm	+ C	O	Dma	
BV-9	" " " " "	"	N		C	C	C	mp				
BV-19	Aux Stm to BFPT	Mezz Floor NE corner	N	O	C	C	C	mp				
BV-18	" " " "	" "	N	O	C	C	C	mp				
V-39/40)	tell tale	" "	N	C	C	C	C	mp				
BV-11	CRH Supply to Aux Stm	9th behind east elevator	N	O	C	O+	C	cm	+ C	O	mp	
A(M2073) BV-118	Aux Stm to BFPT	Mezz Floor NE corner	N	O	C	C	C	mp				
BV-13	CRH Supply to Aux Stm	9th behind east elevator	N	O	C	O+	C	cm	+ C	O	mp	
V-82	STEAM TRAP #5	BSMT. NE CORNER OF TURB PEDISTAL	CRIII	O	C							
V-83	"	" "	N	C	C	C	C	mp				
BV-58	Aux. Steam from 2nd superheater	17th West side of Boiler	CRII	O	C							
BV-26	Aux Steam supply to steam seals	MEZZ NE CORNER TURBINE	CRIII	O	C							

IP14_006698

TEST _____ DATE _____

PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	MEZZ. WEST OF COND	O Km	Km	Km	Km
"	" 0017	"	"	O Km	Km	Km	Km
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"	O Km	Km	Km	Km
"	" 0027	"	"	O Km	Km	Km	Km
"	2FWC-MBV-90	"	"	O Km	Km	Km	Km
M2020	2HRA-BV-0030	COND. NORMAL MU	MEZZ. SW CORNER OF COND.	O EW	EW	CN	CN
"	2HRA-ACV-32	"	"	O EW	EW	CN	CN
	" 0031	"		O EW	EW	CN	CN
M2080A	2TEC-BV-0010	MN. STM. to turbine seals	MEZZ W. OF MN. STM HDR	O Km	Km	Km	Km
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd NE OF BFPT 1A	O DC	DC	KM	Km
"	" -10	" 1B	3rd SW OF BFPT 1B	O DC	DC	Km	Km
M2008	2PSA-BV-0021	DA PEGGING STEAM	15th ELEVATOR N of E	O DC	CLOSED →		MP
"	" 0022	"	"	O DC	CLOSED →		MP
~~M2035A~~	~~2FWA-BV-37~~	~~BFPT 1A Recirc~~	~~13th FLOOR~~				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	GF E OF LUBE OIL CENT.	O cm	CM	cm	DA
"	" 0079	HP HTR 8A "	"	O cm	CM	cm	DA
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAKOFF	MEZZ NW OF COND	O Km	Km	Km	Km
"	" 0390	" Seat DRAIN	"	O Km	Km	Km	Km
"	" 0389	" 1A1 " "	MEZZ N OF COND	O Km	Km	Km	Km
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	GF E OF LUBE OIL CENTRIFUGE	O cm	CM	cm	DA
"	" 0081	HP HTR 8A "	"	O cm	CM	cm	DA
"	" 0105	HP HTR 6B "	"	O cm	CM	cm	DA
"	" 0121	BFPT 1A & 1B "	"	O cm	CM	cm	DA

TEST _____ DATE _____

PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	WEST OF COND MEZZ	O Km	Km	Km	Km
"	" 0017	"	"	O Km	Km	Km	Km
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"	O Km	Km	Km	Km
"	" 0027	" TURB	"	O Km	Km	Km	Km
"	2FWC-MBV-90	"	"	O Km	Km	Km	Km
M2020	2HRA-BV-0030	COND. NORMAL MU	SW CORNER OF COND. MEZZ	O EW	EW	CN	CN
	2HRA-ACV-32	"	"	O EW	EW	CN	CN
"	" 0031	"	"	O EW	CW	CN	CN
M2080A	2TEC-BV-0010	MN. STM. to turbine seal	W. OF MN. STM HDR. MEZZ	O Km	Km	Km	Km
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd BFPT 1A	O DC	DC	KM	KM
"	" -10	" 1B	SW OF 3rd BFPT 1B	O DC	DC	Km	Km
M2008	2PSA-BV-0021	DA PEGGING STEAM	N of E 15th ELEVATOR	O DC	CLOSED →		MP
"	" 0022	"	"	O DC	CLOSED →		MP
~~M2035A~~	~~2FWA-BV-37~~	~~BFPT 1A Recirc~~	~~13th FIRST~~				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	E OF LUBE OIL CONT. GF	O cm	CM	cm	DA
"	" 0079	HP HTR 8A "	"	O cm	CM	cm	DA
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAKOFF	NW OF COND MEZZ	O Km	Km	Km	Km
"	" 0390	" Seat DRAIN	"	O Km	Km	Km	Km
"	" 0389	" 1A1 " "	N OF COND MEZZ	O Km	Km	Km	Km
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	E OF LUBE OIL GF	O cm	CM	cm	DA
"	" 0081	HP HTR 8A "	CENTRIFUGE	O cm	CM	cm	DA
"	" 0105	HP HTR 6B "	"	O cm	CM	cm	DA
"	" 0121	BFPT 1A & 1B "	"	O cm	CM	cm	DA

ASME Turbine Performance Testing — Unit #2 — Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____

After Test-Isolation: Start _____ End _____

Name _____

Date: _____

SYSTEM: Combustion Gas Reheat P&ID # M2013A

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
3V-44	Sootblowing Supply to CGR	18th floor east side	N	O	C	C	C					
3V-47	" " "	" " "	N	O	C	C	C					
3V-137	Sprays from BFP	16th floor east side	N	O	C	C	C					
3V-139	" " "		N	O	C	C	C					
3V-142	" " "		N	O	C	C	C					
3V-110	CGR pump Recirc	Basement by CGR pumps	N	O	C	C	C					
3V-113	" " "	"	N	O	C	C	C					
3V-114	" " "	"	N	O	C	C	C					
3V-117	" " "	"	N	O	C	C	C					
3V-150	Return to CNDS	2nd floor above pumps	N	O	C	C	C					
3V-435	" " "	Basement @ pumps 12' up	N	O	C	C	C					
3V-436	- telltale	"	N	O	C	C	C					
3V-125	SBCND Return	North AQCS Control Room	N	O	C	C	C					SBCNDS Return Pump OFF
3V-127	" " "	"	N	O	C	C	C					

IP14_006701

ASME - TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____

After Test-Isolation: Start _____ End _____

Name _____

Date: _____

SYSTEM: CONDENSING P&ID# 2HRA-M2020/2SCA-M2056A

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-30	Condensate Normal	M22, SE Corner condenser	CRI	O	C							
BV-31	make-up	"	CRI	O	C							
BV-19	Condensate Normal DRAW OFF	BSMT. SW CORNER CONDENSER	CRI	O	C							
BV-20	"	"	CRI	O	C							
BV-33	Condensate EMERG. MAKE-UP	BSMT. SE CORNER CONDENSER	N	O	C	+ O	C	DC	+ C	O	Dma	
BV-34	"	"	N	O	C	+ O	C	DC	+ C	O	Dma	
BV-23	COND. EMERG. DRAW-OFF	BSMT SW CORNER CONDENSER	N	O	C	+ O	C	DC	+ C	O	Dma	
BV-24	"	"	N	O	C	+ O	C	DC	+ C	O	Dma	
BV-148)	TELL TAIL	LOCAL	N	C	C	C CAPPED	C	DRO				
BV-175)	"	"	N	C	C	C	C	DRO				
BV-176)	"	"	N	C	C	C CAPPED	C	DRO				
BV-177)	"	"	N	C	C	C BROKEN	C	DRO				
ICV-25	COND. RECIRC.	BSMT. SW CORNER CONDENSER	N	C	C	C	C	DRO				MAY HAVE TO CLOSE BV-28
BV-29	" BYPASS	"	N	C	C	C	C	DRO				
BV-71	COND. MISC. SERVICE PUMP OUTLET	BSMT. "1C" COND PUMP ABOVE HEAD	N	O	C	C	C	DRO				
BV-179	"	"	N	O	C	- C	C	DRO				
BV-178)	TELL TAIL	"	N	C	C	C	C	DRO				
BV-90	HOT WELL DRAINS	N. OF CONENSER BSMT.	N	C	C	C	C	DRO				
BV-91	"	"	N	C	C	C	C	DRO				
BV-89	"	"	N	C	C	C	C	DRO				
BV-92	HYDRAZINE FEED	"	N	C	C	C	C	DRO				
BV-112	COND. LEAK DETECTION 1C	Basement - N. End to 1C Cond	N	O	C	C	C	DRO				OPEN after TEST
BV-113	"		N	O	C	C	C	DRO				"
BV-114	"		N	O	C	C	C	DRO				"

IP14_006702

[illegible] TESTING UNIT 2 Test # 9-10

Cycle I. olation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: CONDENSING P&ID# 2HRA-M2020/2SCA-M2056A (CONT.)

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	Position - Before Test As left	Position - Before Test Initials	Position - After Test As Found	Position - After Test As Left	Position - After Test Initials	Comments
BV-115	COND. LEAK DETECTION 1B	N. SIDE COND. 1B COND.	N	O	C	C	C	DRO				OPEN after tes
BV-116	"	"	N	O	C	C	C	DRO				"
BV-117	"	"	N	O	C	C	C	DRO				"
BV-118	COND. LEAK DETECTION 1A	N. SIDE COND. 1A COND.	N	O	C	C	C	DRO				"
BV-119	"	"	N	O	C	C	C	DRO				"
ACV-32	COND. NORMAL MU	MEZZ SE CORNER OF COND	CCI	O	C							
	P&ID 2SAC-M2056A											
BV-529	GEN. BLDG. SP. COND DRAIN to UNIT 2	BASEMENT W. END TO K COND	N		C	C	C	DRO				

IP14_006703

MJME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____

After Test-Isolation: Start _____ End _____

Name _____

Date: _____

SYSTEM: CONDENSER AIR EXTRACTION P&ID # 2HRB-M2021

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-109	SEPARATOR MAKE-UP	MEZZ. CONDEN. VAC PUMPS	CR II	O	C							WATCH SEPARATOR
BV-110	"	"	CR II	O	C							TANK LEVEL
BV-111	"	"	CR II	O	C							
BV-112	"	"	CR II	O	C							

IP14_006704

MDME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: BOILER FEED P&ID # 2FWA-M2035A

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
BV-298	Bootstrap	MEZZ NEAR HTR. 2 (207-E)	N	C	C	C	C	MJ				
BV-299	"	"	N	C	C	C	C	MJ				
BV-108)	TELL TAIL	"	N	C	C	C	C	MJ				
BV-188	WARM-UP LINE	MEZZ UNDER 1A BFPT (203E)	N	O	C	C	C	MJ				
BV-189	"	"	N	C	C	C	C	MJ				
BV-385/107	TELL TAIL	"	N	C	C	C	C	MJ				
ACV-14	BBFP RECIRC	13th W. END D.A (202G)	N	C	C	C	C	MJ				
ACV-15	"	"	N	C	C	C	C	MJ				
ACV-16	"	"	N	C	C	C	C	MJ				
ACV-17	BFP RECIRC	13th E. END DA. (207G)	N	C	C	C	C	MJ				
ACV-18	"	"	N	C	C	C	C	MJ				
ACV-19	"	"	N	C	C	C	C	MJ				
BV-37	"	"	CRI	O	C							

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date _____

SYSTEM: BOILER FEED P&ID # 2 FWA-M2035B

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
MBV-44	HP HEATERS BYPASS	TURBINE DECK E. OF HP HTR. 6 (202H)	N	C	C	C	C	mp				
SGA-131	ECONOMIZER INLET HDR. DRAIN	11th FLOOR ECONOMIZER INLET	N	C	C	C	C	mp				
SGA-132	"	"	N	C	C	C	C	mp				
BV-202	SAMPLE 11	10th S. of mec 2BD9	CRII	O	C							
BV-203	"	"	CRII	O	C							

IP14_006706

ASME TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: BOILER FEED P&ID # 2 FWA-M2035C

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
1BV-303	ABOVE SEAT DRAIN. HP STOP VALVE (BFPT 1A)	1A BFPT N. SIDE TURB DECK	N	C	C	C	C					check in control ROOM
1BV-305	BELOW SEAT DRAIN HP STOP VALVE	"	N	C	C	C	C					
1BV-307	ABOVE SEAT DRAIN LP STOP VALVE	" S. SIDE	N	C	C	C	C					
1BV-309	BELOW SEAT DRAIN LP STOP VALVE	"	N	C	C	C	C					
1BV-311	1ST STAGE DRAIN	MEZZ - NE CORNER TURB. PEDISTAL - UP	N	C	C	C	C					
1BV-304	ABOVE SEAT DRAIN HP STOP VALVE	1B BFPT S. SIDE	N	C	C	steam						
1BV-306	BELOW SEAT DRAIN HP STOP VALVE	"	N	C	C		leak					
1BV-308	ABOVE SEAT DRAIN LP STOP VALVE	" N. SIDE	N	C	C							
1BV-310	BELOW SEAT DRAIN LP STOP VALVE	"	N	C	C							
1BV-312	1ST STAGE DRAIN	MEZZ NW CORNER TURB PEDSTAL - UP	N	C	C	C	C					
3V-0388	HP STOP VLV 1B1 STEM LEAKOFF	MEZZ. NW OF COND	CRI	O	C							
3V-0390	" SEAT DRN	"	CRI	O	C							
3V-0389	" 1A1 "	MEZZ N OF COND	CRI	O	C							

IP14_006707

ASME - TURBINE PERFORMANCE TESTING UNIT #2 Test # 9-10

Cycle Isolation Check off Sheets

Before Test-Isolation: Start _____ End _____ Name _____

After Test-Isolation: Start _____ End _____ Date: _____

SYSTEM: BOILER FEED PUMP INJECTION P&ID # 2FWB-M2036

Valve #	Description	Location	Class	Position Normal	Position Test	Position - Before Test As Found	As left	Initials	Position - After Test As Found	As Left	Initials	Comments
B-1	FM-1 BYPASS	BSMT. E.of 2A BBFP	CR II	O	C							Valve-in Flow Meter Carefully
B-2	"	"	CR II	O	C							
B-3	Flow Meter 1	"	CR II	C	O							
B-4	"	"	CR II	C	O							
B-5	FM-2 BYPASS	BSMT. BFPT LUBE OIL centrifuge, ceiling	CR II	O	C							
B-6	"		CR II	O	C							
B-7	Flow Meter 2	"	CR II	C	O							
B-8	"	"	CR II	C	O							

IP14_006708

TEST # 9 DATE 5/16/87

GF-EAST

TURBINE PERFORMANCE TESTING - CRITICAL VALVES

I - HIGHEST PRIORITY, IMMEDIATELY AFTER TRIP
II - RETURN TO SERVICE AFTER PRIOR. #1
} RESTORE BETWEEN TESTS
III - " " " " END OF DAY OR TRIP

PRIORITY I VALVES (PAGE 1 OF 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INIT.	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
M2076	ZTED-BV-0019	HP HTR 8A ALT. HLVL DUMP	GF - EAST OF COND	C			
"	" 0020	" 8A "	"	C			
"	" 0027	" 7A "	"	O			
"	" 0028	" 7A "	"	O			
"	" 0035	" 6A "	"	C			
"	" 0036	" 6A "	"	C			
"	" 0021	" 8B "	"	O			
"	" 0022	" 8B "	"	O			
"	" 0029	" 7B "	"	O			
"	" 0030	" 7B "	"	O			
"	" 0037	" 6B "	"	C			
"	" 0038	" 6B "	"	C			
M2020	ZHRA-BV-0019	COND. NORMAL DRAWOFF	GF SW CORNER OF COND				
"	-0020	"	"				
M2077	ZTEE-BV-0011	LP HTR 3 ALT. HLVL DUMP	GF - WEST OF COND				
"	" 0019	" 3 "	"				
"	" 0013	" 2 "	"				
"	" 0021	" 2 "	"				
"	" 0015	FLASH TANK "	GF - SW OF COND				
"	" 0022	" "	"				

IP14_006709

TEST _____ DATE _____

PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	MEZZ WEST OF COND				
"	" 0017	"	"				
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"				
"	" 0027	"	"				
"	2FWC-MBV-90	"	"				
M2020	2HRA-BV-0030	COND. NORMAL MU	MEZZ SW CORNER OF COND.				
"	2HRA-ACV-32 " 0031	" "	"				
M2080A	2TGC-BV-0010	MN. STM. to turbine seals	MEZZ W. OF MN. STM HDR				
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd NE OF BFPT 1A				
"	" -10	" 1B	3rd SW OF BFPT 1B				
M2008	2PSA-BV-0021	DA PEGGING STEAM	15th N of E ELEVATOR				
"	" 0022	"	"				
M2035A	2FWA-BV-37	BFPT 1A RECIRC	13th EAST				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	GF E OF LUBE OIL CONT.				
"	" 0079	HP HTR 8A "	"				
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAKOFF	MEZZ NW OF COND				
"	" 0390	" Seat DRAIN	"				
"	" 0391	" 1A1 " "	MEZZ N OF COND				
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	GF E OF LUBE OIL				
"	" 0081	HP HTR 8A "	CENTRIFUGE				
"	" 0105	HP HTR 6B "	"				
"	" 0121	BFPT 1A & 1B "	"				

TEST _____ DATE _____

PRIORITY II VALVES (PAGE 1 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2054A	2SAC-BV-0017	SAMPLE 1 MU to COND.	GF Chem LAB				
"	" 0030	"	"				
"	" 0019	SAMPLE 3 DEMIN. 1A OUTLET	"				
"	" 0032	"	"				
"	" 0020	SAMPLE 4 DEMIN. 1B OUTLET	"				
"	" 0033	"	"				
"	" 0021	SAMPLE 5 DEMIN. 1C OUTLET	"				
"	" 0034	"	"				
"	" 0022	SAMPLE 6 DEMIN 1D OUTLET	"				
"	" 0035	"	"				
"	" 0023	SAMPLE 7 COND. POL. OUTLET	"				
"	" 0036	"	"				
"	" 0001	SAMPLE 8 COND. AFTER GLAND COND.	"				
"	" 0002	SAMPLE 9 DA INLET	"				
"	" 0024	"	"				
"	" 0037	"	"				
"	" 0026	SAMPLE 11 ECON. INLET	"				
"	" 0039	"	"				
"	" 0003	SAMPLE 13 SAT. STEAM	"				
"	" 0004	SAMPLE 14 MN. STEAM	"				
"	" 0028	"	"				
"	" 0041	"	"				
M2075	2TEC-BV-0065	LP HTR 4 LP TURBIN SECT. 1C	GF NW CORNER COND CEILING	0	04	04	DMA DMA
M2071	2SGJ-BV-0056	COLD RH STM TRP 1 INLET	GF 204-B	0	04	04	DMA DMA
"	" 0057	" OUTLET	"	0	04	04	DMA DMA
M2069	2SGG-BV-0015	MN. STM. SAMPLE 14	TOP OF MEZZ MN STM	0	04	04	DMA DMA
"	" 0016	"	"	0	04	04	DMA DMA

IP14_006711

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 2 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	KW POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	O INITIAL
M2021	2HRB-BV-0109	SEPARATOR 1D MU	MEZZ. CONDENSER VAC. PMPS				
"	" 0110	" 1C "	"				
"	" 0111	" 1B "	"				
"	" 0112	" 1A "	"				
M2071	2SGJ-BV-0090	COND to CRH DSPRHTR 2	MSZE 3rd by				
M2079	2T6A-BV-0005	HOOD SPRAY SUPPLY	GE Trailer				
M2078B	2TEF-BV-0163	LP HTR 3 CONTINUOUS vent to COND	3rd LP HTR 3				
M2078A	2TEF-BV-0077	HP HTR 6A CONTINUOUS vent to DEA	3rd HP HTR 6A				
"	" 0080	" 6B "	3rd HP HTR 6B				
"	" 0076	" 7A "	5th HP HTR 7A				
"	" 0079	" 7B "	5th HP HTR 7B				
M2078B	" 0162	LP HTR 4 " to COND	5th LP HTR 4				
M2078A	" 0075	HP HTR 8A " to DEA	6th HP HTR 8A				
"	" 0078	" 8B "	6th HP HTR 8B				
M2035B	2FWA-BV-0202	Boiler Feed Sample 11	10th S OF MCC 2B09				
"	" 0203	"	"				
M2078A	2TEF-BV-0003	DEA CONTINUOUS VNT TO ATMOS.	14th top OF DEA				
"	" 0007	"	"				
"	" 0011	"	"				
M2063B	2SGA-BV-0199	STM. TRAP 3	18th				
M2063B	2SGA-BV-0172	STM. GEN. SAMPLE 13	17th S				
"	" 0003	CONTINUOUS BLOWDOWN	18th E END OF DRUM				
"	" MBV-4	"	"				
"	" MBV-2	STM SUPPLY to AUX STM	18th S OF DRUM				
"	" BV-0001	"	"				
M2008	2PSA-MBV-17	CRH SUPPLY to AUX STM	9th Behind E ELEVATOR				
"	" BV-12	"	"				
"	" BV-14	"	"				
"	" BV-58	2ND SUPERHEAT to AUX STM	17th W. SIDE				
M2063A	2SGA-BV-0195	STEAM TRAP 2					
M2063A	2SGA-BV-0010	M.S. STM to AUX STM	"				

IP14_006712

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	MAN POSITION / CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP 2A				
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.				

TEST #_____ DATE_____

P&ID	VALVE #	DESCRIPTION		LOCATION	PRIORITY	CLOSED C INITIALS	
M2075	2TEC-BV-0027	LP HTR 2	LP TURB. SECTION 1B	GF - NW CORNER OF COND. - Bottom Row	III	CM	DMC
"	" 0031	"			III	CM	DMC
"	" 0035	LP HTR 3			III	CM	DMC
"	" 0039	"			III	CM	DMC
"	" 0043	LP HTR 4			III	CM	DMC
"	" 0047	"			III	CM	DMC
"	" 0003	LP HTR 2	LP TURB. SECTION 1A	GF - NE CORNER OF COND.	III	CM	DMC
"	" 0007	"			III	CM	DMC
"	" 0011	LP HTR 3			III	CM	DMC
"	" 0015	"			III	CM	DMC
"	" 0019	LP HTR 4			III	CM	DMC
"	" 0023	"			III	CM	DMC
"	" 0051	LP HTR 2	LP TURB. SECTION 1C	GF- NW CORNER OF COND.	III	CM	DMC
"	" 0055	"			III	CM	DMC
"	" 0059	LP HTR 3			III	CM	DMC
"	" 0063	"			III	CM	DMC
"	" 0067	LP HTR 4		TOP Row	III	CM	DMC
"	" 0071	"			III	CM	DMC
M2038 B	2FWD-BV-0121	COND. POLISH Regen Pump		GF	III		
"	" 0125	"		"	III		
M2008	2PSA-BV-0082	AUX. STM. TRAP 5		"	III		
M2080A	2TGC-BV-0058	AUX. STM. to COND. RH		MEZZ. TOP OF VLV DECK	III		
M2069	2SGG-BV-0058	MN. STM. WARMING LINE		MEZZ. NE OF MOC 2A03	III		
M2068	2SGF-BV-0065	DOWNCOMER DRN. BLOWDOWN		MEZZ. S. SIDE Boiler	III		
"	" 0055	LWR. CONVECTION PASS HDR		10th east	III		
"	" 0057	"		"	III		
"	" 0035	"		10th west	III		
"	" 0028	"		"	III		

HELP OTHER GF PERSON

IP14_006714

TEST # _____ DATE _____

P&ID	VALVE #	DESCRIPTION	LOCATION	PRIORITY	CLOSE C INITIAL	OPEN O INITIAL
M2068	2SGF-BV-0041	SECOND. SPRHTR OUT HDR.	15th - West	III		
"	" 0043	" " INTERMED HDR	"	III		
"	" 0045	" " " "	"	III		
"	" 0049	" " PLATEN "	"	III		
"	" 0051	ROOF INLET HDR	"	III		
M2008	2PSA-BV-0026	TURBINE SEALS S/U STM	MEZZ 203-D	III		

TEST # 9 DATE 5/16/87

GF - WEST

TURBINE PERFORMANCE TESTING - CRITICAL VALVES

I - HIGHEST PRIORITY, IMMEDIATELY AFTER TRIP
II - RETURN TO SERVICE AFTER PRIOR. #1
} RESTORE BETWEEN TESTS
III - " " " " END OF DAY OR TRIP

PRIORITY I VALVES (PAGE 1 OF 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INIT.	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
M2076	2TED-BV-0019	HP HTR 8A ALT. HLVL DUMP	GF - EAST OF COND				
"	" 0020	" 8A "	"				
"	" 0027	" 7A "	"				
"	" 0028	" 7A "	"				
"	" 0035	" 6A "	"				
"	" 0036	" 6A "	"				
"	" 0021	" 8B "	"				
"	" 0022	" 8B "	"				
"	" 0029	" 7B "	"				
"	" 0030	" 7B "	"				
"	" 0037	" 6B "	"				
"	" 0038	" 6B "	"				
M2020	2HRA-BV-0019	COND. NORMAL DRAWOFF	GF SW CORNER OF COND	O cm	O cm	O cm	Dma
"	-0020	"	"	O cm	O cm	O cm	Dma
M2077	2TEE-BV-0011	LP HTR 3 ALT. HLVL DUMP	GF - WEST OF COND	O cm	O cm	O cm	Dma
"	" 0019	" 3 "	"	O cm	O cm	O cm	Dma
"	" 0013 (open)	" 2 " NORMAL DRAINS OC	"	O cm	O cm	O cm	Dma
"	" 0021 (12) (open)	" 2 " NORMAL DRAINS OC	"	O cm	O cm	O cm	Dma
"	" 0015 (20)	FLASH TANK "	GF - SW OF COND	O cm	O cm	O cm	Dma
"	" 0022	" "	"	O cm	O cm	O cm	Dm

IP14_006716

TEST _____ DATE _____

PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	MEZZ WEST OF COND				
"	" 0017	"	"				
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"				
"	" 0027	"	"				
"	2FWC-MBV-90	"	"				
M2020	2HRA-BV-0030	COND. NORMAL MU	MEZZ SW CORNER OF COND.				
"	2HRA-ACV-32 " 0031	" "	"				
M2080A	2TGC-BV-0010	MN. STM. to turbine seal	MEZZ W. OF MN. STM HDR				
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd NE OF BFPT 1A				
"	" -10	" 1B	3rd SW OF BFPT 1B				
M2008	2PSA-BV-0021	DA PEGGING STEAM	15th N of E ELEVATOR				
"	" 0022	"	"				
M2035A	2FWA-BV-37	BFPT 1A Recirc	13th EAST				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	GF E OF LUBE OIL CONT.	OCR	OCR	OCR	DMA
"	" 0079	HP HTR 8A "	"	OCR	OCR	OCR	DMA
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAK OFF	MEZZ NW OF COND				
"	" 0390	" Seat DRAIN	"				
"	" 0391	" 1A1 " "	MEZZ N OF COND				
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	GF E OF LUBE OIL CENTRIFUGE	OCR	OCR	OCR	DMA
"	" 0081	HP HTR 8A "	"	OCR	OCR	OCR	DMA
"	" 0105	HP HTR 6B "	"	OCR	OCR	OCR	DMA
"	" 0121	BFPT 1A & 1B "	"	OCR	OCR	OCR	DMA

TEST _____ DATE _____

PRIORITY II VALVES (PAGE 1 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2054A	2SAC-BV-0017	SAMPLE 1 MU to COND.	GF Chem LAB				
"	" 0030	"	"				
"	" 0019	SAMPLE 3 DEMIN. 1A OUTLET	"				
"	" 0032	"	"				
"	" 0020	SAMPLE 4 DEMIN. 1B OUTLET	"				
"	" 0033	"	"				
"	" 0021	SAMPLE 5 DEMIN. 1C OUTLET	"				
"	" 0034	"	"				
"	" 0022	SAMPLE 6 DEMIN 1D OUTLET	"				
"	" 0035	"	"				
"	" 0023	SAMPLE 7 COND. POL. OUTLET	"				
"	" 0036	"	"				
"	" 0001	SAMPLE 8 COND. AFTER GLAND COOLER	"				
"	" 0002	SAMPLE 9 DA INLET	"				
"	" 0024	"	"				
"	" 0037	"	"				
"	" 0026	SAMPLE 11 ECON. INLET	"				
"	" 0039	"	"				
"	" 0003	SAMPLE 13 SAT. STEAM	"				
"	" 0004	SAMPLE 14 MN. STEAM	"				
"	" 0028	"	"				
"	" 0041	"	"				
M2075	2TEC-BV-0065	LP HTR 4 LP TURBIN SECT. 1C	NW CORNER COND GF CEILING				
M2071	2SGJ-BV-0056	COLD RH STM TRP 1 INLET	GF 204-B				
"	" 0057	" OUTLET	"				
M2069	2SGG-BV-0015	MN. STM. SAMPLE 14	TOP OF MEZZ MN STM				
"	" 0016	"	"				

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 2 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	KEY Position / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2021	2HRB-BV-0109	SEPARATOR 1D Mu	MEZZ. CONDENSER VAC. PMPS	Ocn	Ocn	Ocn	DMA
"	" 0110	" 1C "	"	Ocn	Ocn	Ocn	DMA
"	" 0111	" 1B "	"	Ocn	Ocn	Ocn	DMA
"	" Acv-82 0112	" 1A "	"	Ocn	Ocn	Ocn	DMA
M2071	2SGJ-BV-0090	COND to CRH DSPR HTR 2	MSZE 3rd by GE Trailer	Ocn	Ocn	Ocn	DMA
M2079	2TGA-BV-0005	HOOD SPRAY SUPPLY		Ocn	Ocn	Ocn	DMA
M2078B	2TEF-BV-0163	LP HTR 3 CONTINUOUS vent to COND	3rd LP HTR 3	Ocn	Ocn	Ocn	DMA
M2078A	2TEF-BV-0077	HP HTR 6A CONTINUOUS vent to DEA	3rd HP HTR 6A	Ocn	Ocn	Ocn	DMA
"	" 0080	" 6B "	3rd HP HTR 6B	Ocn	Ocn	Ocn	DMA
"	" 0076	" 7A "	5th HP HTR 7A				
"	" 0079	" 7B "	5th HP HTR 7B				
M2078B	" 0162	LP HTR 4 " to COND	5th LP HTR 4				
M2078A	" 0075	HP HTR 8A " to DEA	6th HP HTR 8A				
"	" 0078	" 8B "	6th HP HTR 8B				
M2035B	2FWA-BV-0202	Boiler Feed Sample 11	10th S of MCC 2B09				
"	" 0203	"	"				
M2078A	2TEF-BV-0003	DEA CONTINUOUS VNT TO ATMOS.	14th top of DEA				
"	" 0007	"	"				
"	" 0011	"	"				
M2063B	2SGA-BV-0199	STM. TRAP 3	18th				
M2063B	2SGA-BV-0172	STM. GEN. SAMPLE 13	17th S				
"	" 0003	CONTINUOUS BLOWDOWN	18th E END OF DRUM				
"	" MBV-4	"	"				
"	" MBV-2	STM SUPPLY to AUX STM	18th S of DRUM				
"	" BV-0001	"	"				
M2008	2PSA-MBV-17	CRH SUPPLY to AUX STM	9th Behind E ELEVATOR				
"	" BV-12	"	"				
"	" BV-14	"	"				
"	" BV-58	2ND SUPERHEAT to AUX STM	17th W. SIDE				
M2063A	2SGA-BV-0195	STEAM TRAP 2					
M2063A	2SGA-BV-0010	M.S. STM to AUX S[illegible]	"				

IP14_006719

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	NEW POSITION CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP DA	O cm O cm C cm C cm			
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.	O cm O cm C cm C cm			

TEST #_____ DATE_____

P&ID	VALVE #	DESCRIPTION		LOCATION	PRIORITY	CLOSED C INITIAL	OPEN O INITIAL
M2075	2TEC-BV-0027	LP HTR 2	LP TURB. SECTION 1B	GF - NW	III		
"	" 0031	"		CORNER	III		
"	" 0035	LP HTR 3		OF	III		
"	" 0039	"		COND. -	III		
"	" 0043	LP HTR 4		Bottom	III		
"	" 0047	"		Row	III		
"	" 0003	LP HTR 2	LP TURB. SECTION 1A	GF - NE	III		
"	" 0007	"		CORNER	III		
"	" 0011	LP HTR 3		OF	III		
"	" 0015	"		COND.	III		
"	" 0019	LP HTR 4			III		
"	" 0023	"			III		
"	" 0051	LP HTR 2	LP TURB. SECTION 1C	GF- NW	III		
"	" 0055	"		CORNER	III		
"	" 0059	LP HTR 3		OF	III		
"	" 0063	"		COND.	III		
"	" 0067	LP HTR 4		TOP	III		
"	" 0071	"		Row	III		
M2038 B	2FWD-BV-0121	COND. POLISH REGEN PMP		GF	III		
"	" 0125	"		"	III		
M2008	2PSA-BV-0082	AUX. STM. TRAP 5		"	III		
M2080A	2TGC-BV-0058	AUX. STM. to COND. RH		MEZZ. TOP OF VLV DECK	III		
M2069	2SG6-BV-0058	MN. STM. WARMING LINE		MEZZ. NE OF MCC 2A1	III		
M2068	2SGF-BV-0065	DOWNCOMER DRN. BLOWDOWN		MEZZ. S. SIDE BOILER	III		
"	" 0055	LWR. CONVECTION PASS HDR		10th east	III		
"	" 0057	"		"	III		
"	" 0035	"		10th west	III		
"	" 0039	"		"	III		

IP14_006721

TEST # _____ DATE _____

P&ID	VALVE #	DESCRIPTION	LOCATION	PRIORITY	CLOSE C INITIAL	OPEN O INITIAL
M2068	2SGF-BV-0041	SECOND. SPRHTR OUT HDR.	15th - West	III		
"	" 0043	" " INTERMED HDR	"	III		
"	" 0045	" " " "	"	III		
"	" 0049	" " PLATON "	"	III		
"	" 0051	ROOF INLET HDR	"	III		
M2008	2PSA-BV-0026	TURBINE Seals S/U STM	Mezz 203-D	III		

IP14_006722

TEST # 9 DATE 5/16/87

UPPER BOILER

TURBINE PERFORMANCE TESTING - CRITICAL VALVES

I - HIGHEST PRIORITY, IMMEDIATELY AFTER TRIP
II - RETURN TO SERVICE AFTER PRIOR. #1
} RESTORE BETWEEN TESTS
III - " " " " END OF DAY OR TRIP

PRIORITY I VALVES (PAGE 1 OF 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION CLOSE INIT.	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
M2076	2TED-BV-0019	HP HTR 8A ALT. HLVL DUMP	GF - EAST OF COND				
"	" 0020	" 8A "	"				
"	" 0027	" 7A "	"				
"	" 0028	" 7A "	"				
"	" 0035	" 6A "	"				
"	" 0036	" 6A "	"				
"	" 0021	" 8B "	"				
"	" 0022	" 8B "	"				
"	" 0029	" 7B "	"				
"	" 0030	" 7B "	"				
"	" 0037	" 6B "	"				
"	" 0038	" 6B "	"				
M2020	2HRA-BV-0019	COND. NORMAL DRAWOFF	GF SW CORNER OF COND				
"	-0020	"	"				
M2077	2TEE-BV-0011	LP HTR 3 ALT. HLVL DUMP	GF - WEST OF COND				
"	" 0019	" 3 "	"				
"	" 0013	" 2 "	"				
"	" 0021	" 2 "	"				
"	" 0015	FLASH TANK "	GF - SW OF COND				
"	" 0022	" "	"				

IP14_006723

TEST _____ DATE _____

PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV. POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	MEZZ. WEST OF COND				
"	" 0017	"	"				
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"				
"	" 0027	"	"				
"	2FWC-MBV-90	"	"				
M2020	2HRA-BV-0030	COND. NORMAL MU	MEZZ. SW CORNER OF COND.				
"	2HRA-ACV-32 " 0031	" "	"				
M2080A	2TGC-BV-0010	MN. STM. to turbine seals	MEZZ W. OF MN. STM HDR				
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd NE OF BFPT 1A	C.K.	DG	DG	
"	" -10	" 1B	3rd SW OF BFPT 1B	C.K.	DG	DG	
M2008	2PSA-BV-0021	DA PEGGING STEAM	15th N of E ELEVATOR		DG		
"	" 0022	" "	"		DG	KM	KM
M2035A	2FWA-BV-37	BFPT 1A Recirc	13th EAST				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	GF E OF LUBE OIL CONT.				
"	" 0079	HP HTR 8A "	"				
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAKOFF	MEZZ NW OF COND				
"	" 0390	" Seat DRAIN	"				
"	" 0391	" 1A1 " "	MEZZ N OF COND				
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	GF E OF LUBE OIL				
"	" 0081	HP HTR 8A "	CENTRIFUGE				
"	" 0105	HP HTR 6B "	"				
"	" 0121	BFPT 1A & 1B "	"				

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 1 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2054A	2SAC-BV-0017	SAMPLE 1 MU to COND.	GF Chem LAB				
"	" 0030	"	"				
"	" 0019	SAMPLE 3 DEMIN. 1A OUTLET	"				
"	" 0032	"	"				
"	" 0020	SAMPLE 4 DEMIN. 1B OUTLET	"				
"	" 0033	"	"				
"	" 0021	SAMPLE 5 DEMIN. 1C OUTLET	"				
"	" 0034	"	"				
"	" 0022	SAMPLE 6 DEMIN 1D OUTLET	"				
"	" 0035	"	"				
"	" 0023	SAMPLE 7 COND. POL. OUTLET	"				
"	" 0036	"	"				
"	" 0001	SAMPLE 8 COND. AFTER GLAND COND.	"				
"	" 0002	SAMPLE 9 DA INLET	"				
"	" 0024	"	"				
"	" 0037	"	"				
"	" 0026	SAMPLE 11 ECON. INLET	"				
"	" 0039	"	"				
"	" 0003	SAMPLE 13 SAT. STEAM	"				
"	" 0004	SAMPLE 14 MN. STEAM	"				
"	" 0028	"	"				
"	" 0041	"	"				
M2075	2TEC-BV-0065	LP HTR 4 LP TURBIN SECT. 1C	GF NW CORNER COND & CEILING				
M2071	2SGJ-BV-0056	COLD RH STM TRP 1 INLET	GF 204-B				
"	" 0057	" OUTLET	"				
M2069	2SGG-BV-0015	MN. STM. SAMPLE 14	TOP OF MEZZ MN STM				
"	" 0016	"	"				

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 2 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	KEY POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2021	2HRB-BV-0109	SEPARATOR 1D Mu	MEZZ. CONDENSER VAC. PMPS				
"	" 0110	" " 1C "	"				
"	" 0111	" " 1B "	"				
"	" 0112	" " 1A "	"				
M2071	2SGJ-BV-0090	COND to CRH DESPRHTR 2	MEZZ 3rd by GE Trailer				
M2079	2TGA-BV-0005	Hood SPRAY SUPPLY					
M2078B	2TEF-BV-0163	LP HTR 3 CONTINUOUS vent to COND	3rd LP HTR 3				
M2078A	2TEF-BV-0077	HP HTR 6A CONTINUOUS vent to DEA	3rd HP HTR 6A				
"	" 0080	" 6B "	3rd HP HTR 6B				
"	" 0076	" 7A "	5th HP HTR 7A				
"	" 0079	" 7B "	5th HP HTR 7B				
M2078B	" 0162	LP HTR 4 " to COND	5th LP HTR 4				
M2078A	" 0075	HP HTR 8A " to DEA	6th HP HTR 8A				
"	" 0078	" 8B "	6th HP HTR 8B				
M2035B	2FWA-BV-0202	Boiler Feed Sample 11	10th S OF MCC 2B09				
"	" 0203	"	"				
M2078A	2TEF-BV-0003	DEA CONTINUOUS VNT TO ATMOS.	14th top OF DEA	CKM OKM	CKM OKM	DB	DB
"	" 0007	"	"	CKM	CKM OKM	DB	DB
"	" 0011	"	"	CKM	CKM OKM	DB	DB
M2063B	2SGA-BV-0199	STM. TRAP 3	18th	CKM	CKM OKM	DB	DB
M2063B	2SGA-BV-0172	STM. GEN. SAMPLE 13	18th S	CKM	CKM	DB	DB
"	" 0003	CONTINUOUS BLOWDOWN	18th E END OF Drum			DB	DB
"	" MBV-4	"	"			DB	DB
"	" MBV-2	STM SUPPLY to Aux Stm	18th S OF Drum			DB	DB
"	" BV-0001	"	"			DB	
M2008	2PSA-MBV-17	CRH SUPPLY to Aux Stm	9th Behind E ELEVATOR				
"	" BV-12	"	"				
"	" BV-14	"	"				
"	" BV-58	2ND SUPERHEAT to Aux Stm	17th W. SIDE	CKM	CKM	DB	
M2063A	2SGA-BV-0195	STEAM TRAP 2	16TH W SIDE			DB	DB
M2063A	2SGA-BV-0010	M.S. Stm to Aux S	18TH W SIDE			DB	

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	NEW POSITION / CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP 2A				
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.				

TEST #_____ DATE_____

P&ID	VALVE #	DESCRIPTION		LOCATION	PROPERTY	CLOSED C INITIAL	OPE O INITI
M2075	2TEC-BV-0027	LP HTR 2	LP TURB. SECTION 1B	GF - NW	III		
"	" 0031	"		CORNER	III		
"	" 0035	LP HTR 3		OF	III		
"	" 0039	"		COND. -	III		
"	" 0043	LP HTR 4		Bottom	III		
"	" 0047	"		Row	III		
"	" 0003	LP HTR 2	LP TURB. SECTION 1A	GF - NE	III		
"	" 0007	"		CORNER	III		
"	" 0011	LP HTR 3		OF	III		
"	" 0015	"		COND.	III		
"	" 0019	LP HTR 4			III		
"	" 0023	"			III		
"	" 0051	LP HTR 2	LP TURB. SECTION 1C	GF- NW	III		
"	" 0055	"		CORNER	III		
"	" 0059	LP HTR 3		OF	III		
"	" 0063	"		COND.	III		
"	" 0067	LP HTR 4		TOP	III		
"	" 0071	"		Row	III		
M2038 B	2FWD-BV-0121	COND. POLISH Regen Pipe		GF	III		
"	" 0125	"		"	III		
M2008	2PSA-BV-0082	AUX. STM. TRAP 5		"	III		
M2080A	2TGE-BV-0058	AUX. STM. to Cond. RH		MEZZ. TOP OF VLV DECK	III		
M2069	2SGG-BV-0058	MN. STM. WARMING LINE		MEZZ. NE OF MCC 2A3	III		
M2068	2SGF-BV-0065	DOWNCOMER DRN. BLOWDOWN		MEZZ. S. SIDE Boiler	III		
"	" 0055	LWR. CONVECTION PASS HDR		10th east	III	DB	
"	" 0057	"		"	III	DB	
"	" 0035	"		10th west	III	DB	
"	" 0039	"		"	III	DB	

IP14_006728

TEST # _____ DATE _____

P&ID	VALVE #	DESCRIPTION	LOCATION	PRIORITY	CLOSE C INITIAL	OPEN O WITH
M2068	2SGF-BV-0041	SECOND. SPRHTR OUT HDR.	15th - West	III	DG	JG
"	" 0043	" " INTERMED HDR	"	III	DG	<
"	" 0045	" " " "	"	III	DG	<
"	" 0049	" " PLATEN "	"	III	DG	<
"	" 0051	ROOF INLET HDR	"	III	DG	<
M2008	2PSA-BV-0026	TURBINE Seals S/A STM	MEZZ 203-D	III		

IP14_006729

TEST # 9 DATE 5/16/87

TURB.

TURBINE PERFORMANCE TESTING - CRITICAL VALVES

I - HIGHEST PRIORITY, IMMEDIATELY AFTER TRIP
II - RETURN TO SERVICE AFTER PRIOR. #1
} RESTORE BETWEEN TESTS

III - " " " " END OF DAY OR TRIP

PRIORITY I VALVES (PAGE 1 OF 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION CLOSE INIT.	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
M2076	2TED-BV-0019	HP HTR 8A ALT. HLVL DUMP	GF - EAST OF COND				
"	" 0020	" 8A "	"				
"	" 0027	" 7A "	"				
"	" 0028	" 7A "	"				
"	" 0035	" 6A "	"				
"	" 0036	" 6A "	"				
"	" 0021	" 8B "	"				
"	" 0022	" 8B "	"				
"	" 0029	" 7B "	"				
"	" 0030	" 7B "	"				
"	" 0037	" 6B "	"				
"	" 0038	" 6B "	"				
M2020	2HRA-BV-0019	COND. NORMAL DRAWOFF	GF SW CORNER OF COND				
"	-0020	"	"				
M2077	2TEE-BV-0011	LP HTR 3 ALT. HLVL DUMP	GF - WEST OF COND				
"	" 0019	" 3 "	"				
"	" 0013	" 2 "	"				
"	" 0021	" 2 "	"				
"	" 0015	FLASH TANK "	GF - SW OF COND				
"	" 0022	" "	"				

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PRIORITY I VALVES (PAGE 2 of 2)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2077	2TEE-BV-0009	LP HTR 4 ALT HLVL DUMP	MEZZ WEST OF COND				
"	" 0017	"	"				
M2037	2FWC-BV-0026	DA RECIRC. to COND.	"				
"	" 0027	"	"				
"	2FWC-MBV-90	"	"				
M2020	2HRA-BV-0030	COND. NORMAL MU	MEZZ SW CORNER OF COND.				
	2HRA-ACV-32	"	"				
"	" 0031	"	"				
M2080A	2TEC-BV-0010	MN. STM. to turbine seals	MEZZ W. OF MN. STM HDR				
M2069	2SGG-MBV-9	HP STM. to BFPT 1A	3rd NE OF BFPT 1A				
"	" -10	" 1B	3rd SW OF BFPT 1B				
M2008	2PSA-BV-0021	DA PEGGING STEAM	15th N of E ELEVATOR				
"	" 0022	"	"				
M2035A	2FWA-BV-37	BFPT 1A RECIRC	13th EAST				
M2075	2TEC-BV-0073	HP HTRS 8A & 8B EXTRACT.	GF E OF LUBE OIL CONT.				
"	" 0079	HP HTR 8A "	"				
M2035C	2FWA-BV-0388	HP STOP VLV 1B1 STEM LEAK OFF	MEZZ NW OF COND				
"	" 0390	" Seat DRAIN	"				
"	" 0389	" 1A1 " "	MEZZ N OF COND				
M2075	2TEC-BV-0075	HP HTRS 8A & 8B EXTRACT	GF E OF LUBE OIL				
"	" 0081	HP HTR 8A "	CENTRIFUGE				
"	" 0105	HP HTR 6B "	"				
"	" 0121	BFPT 1A & 1B "	"				

TEST _____ DATE _____

PRIORITY II VALVES (PAGE 1 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2054A	2SAC-BV-0017	SAMPLE 1 MU to COND.	GF Chem LAB				
"	" 0030	"	"				
"	" 0019	SAMPLE 3 DEMIN. 1A OUTLET	"				
"	" 0032	"	"				
"	" 0020	SAMPLE 4 DEMIN. 1B OUTLET	"				
"	" 0033	"	"				
"	" 0021	SAMPLE 5 DEMIN. 1C OUTLET	"				
"	" 0034	"	"				
"	" 0022	SAMPLE 6 DEMIN 1D OUTLET	"				
"	" 0035	"	"				
"	" 0023	SAMPLE 7 COND. POL. OUTLET	"				
"	" 0036	"	"				
"	" 0001	SAMPLE 8 COND. AFTER GLAND COND.	"				
"	" 0002	SAMPLE 9 DA INLET	"				
"	" 0024	"	"				
"	" 0037	"	"				
"	" 0026	SAMPLE 11 ECON. INLET	"				
"	" 0039	"	"				
"	" 0003	SAMPLE 13 SAT. STEAM	"				
"	" 0004	SAMPLE 14 MN. STEAM	"				
"	" 0028	"	"				
"	" 0041	"	"				
M2075	2TEC-BV-0065	LP HTR 4 LP TURBIN SECT. 1C	GF NW CORNER COND CEILING				
M2071	2SGJ-BV-0056	COLD RH STM TRP 1 INLET	GF 204-B				
"	" 0057	" OUTLET	"				
M2069	2SGG-BV-0015	MN. STM. SAMPLE 14	TOP OF MEZZ MN STM				
"	" 0016	"	"				

TEST # _____ DATE _____

PRIORITY II VALVES (PAGE 2 OF 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	KV POSITION / CLOSE INITIALS	OPEN O INITIALS	CLOSE C INITIALS	OPEN O INITIALS
M2021	2HRB-BV-0109	SEPARATOR 1D Mu	MEZZ. CONDENSER VAC. PMPS				
"	" 0110	" 1C "	"				
"	" 0111	" 1B "	"				
"	" 0112	" 1A "	"				
M2071	2SGJ-BV-0090	COND to CRH DSPR HTR 2	MEZZ 3rd by				
M2079	2TGA-BV-0005	HOOD SPRAY SUPPLY	GE Trailer				
M2078B	2TEF-BV-0163	LP HTR 3 CONTINUOUS vent to COND	3rd LP HTR 3				
M2078A	2TEF-BV-0077	HP HTR 6A CONTINUOUS vent to DEA	3rd HP HTR 6A				
"	" 0080	" 6B "	3rd HP HTR 6B				
"	" 0076	" 7A "	5th HP HTR 7A				
"	" 0079	" 7B "	5th HP HTR 7B				
M2078B	" 0162	LP HTR 4 " to COND	5th LP HTR 4				
M2078A	" 0075	HP HTR 8A " to DEA	6th HP HTR 8A				
"	" 0078	" 8B "	6th HP HTR 8B				
M2035B	2FWA-BV-0202	Boiler Feed Sample 11	10th S OF MCC 2B09				
"	" 0203	"	"				
M2078A	2TEF-BV-0003	DEA CONTINUOUS VNT TO ATMOS.	14th top OF DEA				
"	" 0007	"	"				
"	" 0011	"	"				
M2063B	2SGA-BV-0199	STM. TRAP 3	18th				
M2063B	2SGA-BV-0172	STM. GEN. SAMPLE 13	17th S				
"	" 0003	CONTINUOUS BLOWDOWN	18th E END OF DRUM				
"	" MBV-4	"	"				
"	" MBV-2	STM SUPPLY to Aux Stm	18th S OF DRUM				
"	" BV-0001	"	"				
M2008	2PSA-MBV-17	CRH SUPPLY to Aux Stm	9th Behind E ELEVATOR				
"	" BV-12	"	"				
"	" BV-14	"	"				
"	" BV-58	2ND SUPERHEAT to Aux Stm	17th W. SIDE				
M2063A	2SGA-BV-0195	STEAM TRAP 2					
M2063A	2SGA-BV-0010	M.S. Stm to Aux S...	"				

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PRIORITY II VALVES (PAGE 3 of 3)

P&ID	VALVE #	DESCRIPTION	LOCATION	VLV POSITION CLOSE INITIAL	OPEN O INITIAL	CLOSE C INITIAL	OPEN O INITIAL
2FWB M2036							
"	B-1 B-2 B-3 B-4	FLOW METER 1 BBFP open first	GF-W OF BBFP DA				
"	B-5 B-6 B-7 B-8	FLOW METER 2 BFP open first	GF ABOVE BFPT LUBE OIL CENT.				

TEST #_____ DATE_____

P&ID	VALVE #	DESCRIPTION		LOCATION	PRIORITY	CLOSED C INITIAL	OPE O INITI
M2075	2TEC-BV-0027	LP HTR 2	LP TURB. SECTION 1B	GF - NW	III		
"	" 0031	"		CORNER	III		
"	" 0035	LP HTR 3		OF	III		
"	" 0039	"		COND. -	III		
"	" 0043	LP HTR 4		Bottom	III		
"	" 0047	"		Row	III		
"	" 0003	LP HTR 2	LP TURB. SECTION 1A	GF - NE	III		
"	" 0007	"		CORNER	III		
"	" 0011	LP HTR 3		OF	III		
"	" 0015	"		COND.	III		
"	" 0019	LP HTR 4			III		
"	" 0023	"			III		
"	" 0051	LP HTR 2	LP TURB. SECTION 1C	GF- NW	III		
"	" 0055	"		CORNER	III		
"	" 0059	LP HTR 3		OF	III		
"	" 0063	"		COND.	III		
"	" 0067	LP HTR 4		TOP	III		
"	" 0071	"		Row	III		
M2038 B	2FWD-BV-0121	COND. POLISH Regen Pump		GF	III	KH	K
"	" 0125	"		"	III	KH	K
M2008	2FSA-BV-0082	AUX. STM. TRAP 5		"	III	KH	K
M2080A	2TGC-BV-0058	AUX. STM. to COND. RH		MEZZ. TOP OF VLV DECK	III	KH	K
M2069	2SGG-BV-0058	MN. STM. WARMING LINE		MEZZ. NE OF MCC 2A03	III	KH	K
M2068	2SGF-BV-0065	DOWNCOMER DRN. BLOWDOWN		MEZZ. S. SIDE Boiler	III	KH	K
"	" 0055	LWR. CONVECTION PASS HDR		10th east	III		
"	" 0057	"		"	III		
"	" 0035	"		10th west	III		
"	" [illegible]	"		"	III		

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TEST # _____ DATE _____

P&ID	VALVE #	DESCRIPTION	LOCATION	PRIORITY	CLOSE C INITIAL	OPEN O INITIAL
M2068	2SGF-BV-0041	SECOND. SPRHTR OUT HDR.	15th - West	III		
"	" 0043	" " INTERMED HDR	"	III		
"	" 0045	" " " "	"	III		
"	" 0049	" " PLATEN "	"	III		
"	" 0051	ROOF INLET HDR	"	III		
M2008	2PSA-BV-0026	TURBINE Seals S/U STM	Mezz 203-D	III	[illegible]	[illegible]

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