

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 83-05

APPROVED BY:

Jewils

STATION MANAGER

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OPERATING DATA REPORT

DOCKET NO. 50-280
 DATE 6-2-83
 COMPLETED BY Vivian H. Jones
 TELEPHONE x 477

OPERATING STATUS

1. Unit Name: Surry Unit 1
2. Reporting Period: May 1, 1983 - May 31, 1983
3. Licensed Thermal Power (MWt): 2441
4. Nameplate Rating (Gross MWe): 847.5
5. Design Electrical Rating (Net MWe): 788
6. Maximum Dependable Capacity (Gross MWe): 811
7. Maximum Dependable Capacity (Net MWe): 775
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

Notes

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>3623.0</u>	<u>91511.0</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>909.8</u>	<u>54821.5</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>3765.2</u>
14. Hours Generator On-Line	<u>0</u>	<u>909.8</u>	<u>53764.5</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>3736.2</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>2108171.0</u>	<u>124788770.9</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>674215.0</u>	<u>40280258.0</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>638780.0</u>	<u>38199243.0</u>
19. Unit Service Factor	<u>0</u>	<u>25.1</u>	<u>58.8</u>
20. Unit Availability Factor	<u>0</u>	<u>25.1</u>	<u>62.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>22.8</u>	<u>53.9</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>22.4</u>	<u>53.0</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>22.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Fall maintenance - 09-23-83 - 10 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

OPERATING DATA REPORT

DOCKET NO. 50-281
 DATE 6-2-83
 COMPLETED BY Vivian H. Jones
 TELEPHONE x 477

OPERATING STATUS

1. Unit Name: Surry Unit 2
2. Reporting Period: May 1, 1983 - May 31, 1983
3. Licensed Thermal Power (MWt): 2441
4. Nameplate Rating (Gross MWe): 847.5
5. Design Electrical Rating (Net MWe): 788
6. Maximum Dependable Capacity (Gross MWe): 811
7. Maximum Dependable Capacity (Net MWe): 775

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
N/A

9. Power Level To Which Restricted, If Any (Net MWe): _____

10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>3623.0</u>	<u>88391.0</u>
12. Number Of Hours Reactor Was Critical	<u>744.0</u>	<u>3408.8</u>	<u>56083.3</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744.0</u>	<u>3373.7</u>	<u>55217.8</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1812088.4</u>	<u>8118033.4</u>	<u>129359379.5</u>
17. Gross Electrical Energy Generated (MWH)	<u>585365.0</u>	<u>2620775.0</u>	<u>42103494.0</u>
18. Net Electrical Energy Generated (MWH)	<u>555975.0</u>	<u>2487377.0</u>	<u>39908298.0</u>
19. Unit Service Factor	<u>100.0</u>	<u>93.1</u>	<u>62.5</u>
20. Unit Availability Factor	<u>100.0</u>	<u>93.1</u>	<u>62.5</u>
21. Unit Capacity Factor (Using MDC Net)	<u>96.4</u>	<u>88.6</u>	<u>58.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.8</u>	<u>87.1</u>	<u>57.3</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>.7</u>	<u>14.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

Refueling - 6-18-83 - 52 days.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-280

UNIT NAME Surry 1

DATE _____

COMPLETED BY _____

TELEPHONE _____

REPORT MONTH May, 1983

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
NONE DURING THIS REPORTING PERIOD.									

- ¹
- F: Forced
 - S: Scheduled

- ²
- Reason:
- A-Equipment Failure (Explain)
 - B-Maintenance of Test
 - C-Refueling
 - D-Regulatory Restriction
 - E-Operator Training & License Examination
 - F-Administrative
 - G-Operational Error (Explain)
 - H-Other (Explain)

- ³
- Method:
- 1-Manual
 - 2-Manual Scram.
 - 3-Automatic Scram.
 - 4-Other (Explain)

- ⁴
- Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

- ⁵
- Exhibit I - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-281

UNIT NAME Surry II

DATE _____

COMPLETED BY _____

TELEPHONE _____

REPORT MONTH May, 1983

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
NONE DURING THIS REPORTING PERIOD.									

¹
F: Forced
S: Scheduled

²
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

³
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

⁴
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
Exhibit I - Same Source

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1

MONTH: May, 1983

<u>DATE</u>	<u>TIME</u>	<u>HOURS</u>	<u>LOAD, MW</u>	<u>REDUCTIONS, MW</u>	<u>MWH</u>	<u>REASON</u>
NONE DURING THIS REPORTING PERIOD.						
MONTHLY TOTAL						

DOCKET NO 50-280
UNIT SUPRY I
DATE 6-1-83
COMPLETED BY Vivian H. Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MAY 83

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	0.0	17	0.0
2	0.0	18	0.0
3	0.0	19	0.0
4	0.0	20	0.0
5	0.0	21	0.0
6	0.0	22	0.0
7	0.0	23	0.0
8	0.0	24	0.0
9	0.0	25	0.0
10	0.0	26	0.0
11	0.0	27	0.0
12	0.0	28	0.0
13	0.0	29	0.0
14	0.0	30	0.0
15	0.0	31	0.0
16	0.0		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

ON THIS FORM, LIST THE AVERAGE DAILY UNIT POWER LEVEL IN MWE-NET FOR EACH DAY IN THE REPORTING MONTH. THESE FIGURES WILL BE USED TO PLOT A GRAPH FOR EACH REPORTING MONTH. NOTE THAT BY USING MAXIMUM DEPENDABLE CAPACITY FOR THE NET ELECTRICAL RATING OF THE UNIT, THERE MAY BE OCCASIONS WHEN THE DAILY AVERAGE POWER EXCEEDS THE 100 % LINE (OR THE RESTRICTED POWER LEVEL LINE). IN SUCH CASES, THE AVERAGE DAILY UNIT POWER OUTPUT SHEET SHOULD BE FOOTNOTED TO EXPLAIN THE APPARENT ANOMALY.

DOCKET NO 50-281
UNIT SUPRY II
DATE 6-1-83
COMPLETED BY Vivian H. Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MAY 83

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	755.8	17	749.7
2	754.2	18	750.3
3	759.8	19	750.4
4	760.6	20	748.3
5	758.3	21	742.5
6	750.4	22	745.4
7	749.5	23	741.8
8	748.1	24	738.8
9	751.8	25	733.3
10	749.9	26	737.3
11	748.0	27	741.5
12	749.1	28	739.6
13	749.5	29	739.8
14	747.8	30	739.3
15	747.7	31	738.3
16	749.0		

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

ON THIS FORM, LIST THE AVERAGE DAILY UNIT POWER LEVEL IN MWE-NET FOR EACH DAY IN THE REPORTING MONTH. THESE FIGURES WILL BE USED TO PLOT A GRAPH FOR EACH REPORTING MONTH. NOTE THAT BY USING MAXIMUM DEPENDABLE CAPACITY FOR THE NET ELECTRICAL RATING OF THE UNIT, THERE MAY BE OCCASIONS WHEN THE DAILY AVERAGE POWER EXCEEDS THE 100 % LINE (OR THE RESTRICTED POWER LEVEL LINE). IN SUCH CASES, THE AVERAGE DAILY UNIT POWER OUTPUT SHEET SHOULD BE FOOTNOTED TO EXPLAIN THE APPARENT ANOMALY.

SUMMARY OF OPERATING EXPERIENCE

MONTH/YEAR May, 1983

Listed below in chronological sequence by unit is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

UNIT ONE

May 1 0000 This reporting period begins with the unit at Cold Shutdown recovering from refueling.

May 1 2020 Commence filling of reactor coolant system.

May 3 0222 RCS is filled & vented commence bringing chemistry in spec.

May 4 0530 RCS Chemistry in spec.

1500 Established bubble in pressurizer.

2100 RCS activity sufficiently reduced to commence cold rod drops. Working on rod control system unable to pull control rods.

May 6 0606 Containment pressure reduced to 9.0 PSIA.

1815 Start PT7 cold rod drops

2135 Cold rod drops completed sat.

May 7 1450 RCS 200°F

2000 RCS at 345°F and 350# holding for startup testing.

May 8 0008 Commence RCS cooldown to cold shutdown to effect repairs to containment recirc. spray system.

0500 RCS 200°F.

0510 Containment pressure returned to atmospheric.

2133 Containment pressure reduced to 9.0 PSIA.

2205 Commence RCS heatup to 350°/450#

May 9 0006 RCS 200°F

0600 RCS at 347°F and 356# holding for startup testing.

May 10 1007 "B" DC battery failed during load test. Fire and arcing caused safety injection and loss of vital bus 2.

1008 PCV 1455C Pressurizer power operated relief valve in over pressure mitigating mode automatically cycled to maintain RCS pressure with both spray valves failed closed.

UNIT 1

May 10 1017 Vital Bus 2 returned to service.
1151 "B" DC Battery removed from service causing a spurious safety injection when the leads were disconnected.

May 11 1430 "B" DC Battery returned to service testing completed sat.
1840 Commence RCS heatup to 500°F.

May 12 0305 RCS at 500°F setting main steam safeties.
1751 Commence RCS Cooldown to cold shutdown to repair 1-RC-P-1B number 1 seal B.
2345 RCS 350°/450#

May 18 0451 RCS 200°F Commence degass operations
2218 Commence draining RCS to mid nozzle
1930 Commence filling and venting of RCS
2300 RCS Chemistry in spec.

May 20 0529 Established bubble in pressurizer.
0645 Containment pressure reduced to 9.0 PSIA.
0905 Commence RCS heatup to hot shutdown
0920 RCS 200°F
1430 RCS 350°/450#

May 21 0045 Commence RCS cooldown to cold shutdown to repair 1-RC-P-1B seals.
0500 RCS 350°/450#
0817 RCS 200°
0830 Containment Pressure returned to atmospheric
1232 "B" reactor coolant loop isolated and drained.

May 26 0316 Commence filling "B" RC Loop and fill and vent of RCS

May 27 0312 RCS Chemistry in spec.
1150 Established bubble in pressurizer.
2100 Containment pressure reduced to 9.0 PSIA.
2118 RCS 200°F

May 28 0205 RCS 350°F/450#
1930 Unit at hot shutdown

UNIT 1

May 28 2047 Commence Hot Rod Drops

May 29 0022 Hot Rod Drops completed sat.
1446 Commence Reactor Startup
1525 Stop reactor startup due to rod control problems.

May 30 0308 Complete rod control repairs. Commence reactor startup.
0350 Reactor critical.
0449 Commence low power physics testing.

May 31 1118 Low power physics testing completed.
2400 This report period ends with the unit at 3% reactor power
not on line. Holding for completion of secondary maintenance.

SUMMARY OF OPERATING EXPERIENCE

MONTH/YEAR May, 1983

Listed below in chronological sequence by unit is a summary of operating experiences for this month which required load reductions or resulted in significant non-load related incidents.

UNIT TWO

May 1 This reporting period begins with the unit at 100% power.

May 21 1420 2-SD-P-1A tripped on low tank level. Automatic bypass of Condensate Polishers. 2-FW-E-1A High Level. Unit reduced to 98% to clear high ΔT alarms.

1449 2-SD-P-1A restarted and placed in service.

1511 Condensate Polishers returned to service.

1703 Broken instrument air line to 2-FW-E-1A's normal level control valve repaired and level returned to normal.

1714 Commence power increase to 100%.

1730 Unit at 100% power.

May 31 2400 This report period ends with the unit at 100% power.

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

May, 1983

None during this reporting period.

FACILITY CHANGES REQUIRING
NRC APPROVAL
MAY, 1983

NONE DURING THIS REPORTING PERIOD.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL
MAY, 1983

	<u>Unit</u>
D/C 83-12	1
<u>Minor Support Modification (RC + FW)</u>	
<p>This design change modified the Pressurizer Spray Line snubber support plate and replaced three snubbers in the Main Steam Valve House on the Main Feed Lines according to seismic reanalysis. The only effect on unit operation is 3 less snubbers installed requiring inspection.</p>	

Summary of Safety Analysis

The modification increases the design seismic safety margin for the Pressurizer Spray line and Main Feed Lines.

D/C 80-57	1
<u>Service Water Radiation Monitoring Pump Modification</u>	
<p>This design change replaced original Service Water Radiation Monitoring Pumps with pumps having necessary environmental qualification documentation. The new pumps installed meet the requirements of IEEE 323-1974 and IEEE 344-1975.</p>	

Summary of Safety Analysis

The modification increases the reliability of the system under accident conditions.

Unit

D/C 82-34 Doorway Dikes For Liquid Spills 1 & 2

This design change constructed dikes to block specific doorways from the possibility of unplanned releases of radioactive liquids.

Summary of Safety Analysis

The modification does not affect station operations or the operation of any safety-related equipment.

D/C 81-111 Condenser Tube Sheet Coating 1

The inlet side aluminum - bronze tubesheets on the main condensers were experiencing corrosion in the form of pitting and worming effects on the tubesheet surface. This design change coated the inlet tubesheets with "SPECOAT" to eliminate the present and future corrosion problem.

Summary of Safety Analysis

The coating of the condenser inlet tubesheets does not create a safety problem. The system was rebuilt to its original design criteria and does not affect plant operation or operation of safety related equipment.

D/C 82-22

Steam Generator Blowdown Trip Valve Replacement

1

Steam Generator Blowdown trip valves, TV-BD-100A-F and 200 A-F had experienced numerous problems with valve seat leak through and body to bonnet leaks. This design change replaces the twelve 3 inch globe type trip valves with 2 inch double disc pressure seal type gate valves.

Summary of Safety Analysis

The modification does not affect station operations or the operation of any equipment which is safety related. Proper operation of the system will be enhanced by the replacement of trip valves, which have shown themselves to be of inadequate design for system application, with a qualified suitably designed valve type.

TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL

May, 1983

None during this reporting period.

TESTS AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL

May, 1983

None during this reporting period.

OTHER CHANGES, TESTS AND EXPERIMENTS

May, 1983

None during this reporting period.

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
CHEMISTRY REPORT

MAY 19 83

T.S. 6.6.3.d

PRIMARY COOLANT ANALYSIS	UNIT NO. 1 (A).			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	2.76E-1	3.84E-3	4.91E-2	5.55E-1	2.17E-1	3.00E-1
Suspended Solids, ppm	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5	< 0.5
Gross Tritium, $\mu\text{Ci/ml}$	4.34E-1	1.45E-2	2.59E-2	8.61E-2	4.58E-2	7.34E-2
Iodine ¹³¹ , $\mu\text{Ci/ml}$	-	-	-	2.89E-3	9.58E-4	1.89E-3
I ¹³¹ / I ¹³³	-	-	-	1.26	.22	.57
Hydrogen, cc/kg	16.7	.8	6.6	47.8	25.6	35.8
Lithium, ppm	1.95	.75	1.21	1.00	.74	.86
Boron-10, ppm*	492	220	297	25	9	17
Oxygen, (D.O.), ppm	SAT.	< 0.005	1.23	< 0.005	< 0.005	< 0.005
Chloride, ppm	0.05	0.02	0.02	0.05	0.02	0.02
pH @ 25°C	6.27	4.77	5.65	7.60	7.24	7.44

* Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL (B).
RELEASES, POUNDS
T.S. 4.13.A.6

Phosphate	-	Boron	2264
Sulfate	-	Chromate	0.0
50% NaOH	-	Chlorine	0.0

REMARKS: (A). Unit shutdown for scheduled work; (B). The levels of these chemicals should not produce any adverse environmental impact.

The following lithium additions were made: Unit 1. 1377 gms on 5/9/83; 900 gms on 5/11/83; 1025 gms on 5/12/83; 2670 gms on 5/20/83; 1900 gms on 5/29/83; and 880 gms on 5/31/83. Unit 2. 340 gms on 5/1/83; 340 gms on 5/16/83; 330 gms on 5/19/83; 300 gms on 5/24/83; and 275 gms on 5/30/83.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

May, 1983

None during this reporting period.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE FSAR

May, 1983

None during this reporting period.

DESCRIPTION OF PERIODIC TESTS WHICH WERE NOT
COMPLETED WITHIN THE TIME LIMITS
SPECIFIED IN TECHNICAL SPECIFICATIONS

May, 1983

None during this reporting period.

REPORTABLE OCCURRENCES PERTAINING TO
ANY OUTAGE OR POWER REDUCTIONS

May, 1983

None during this reporting period.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

MAY, 1983

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: MECH

LETSERVDT	SYS COMP	MARKNO	SUMMARY	WKPERF	HR
05/02/83	CR CRANE	1-CR-5	REPLACE BEARING NO.1	CLEANED * INSPECTED	304070125
05/02/83	SA PIPING	N/A	REPLACE SPOOL PIECE	INSTALLED SPOOL PIECES	304239058
05/02/83	CH VALVE	1-CH-356	MISSING HANDWHEEL	REPLACED HANDWHEEL	304237323
05/02/83	CH VALVE	MOV-1275C	REPAIR PACKING LEAK	ADJUSTED PACKING	304240614
05/02/83	CH VALVE	MOV-1287C	REPAIR PACKING LEAK	ADJUSTED PACKING	304240615
05/02/83	CH VALVE	MOV-1286C	REPAIR PACKING LEAK	ADJUSTED PACKING	304240616
05/02/83	CH VALVE	1-CH-289	REPAIR PACKING LEAK	ADJUSTED PACKING	304240618
05/02/83	SI VALVE	1-SI-163	REPAIR PACKING LEAK	ADJUSTED PACKING	304240620
05/02/83	SI VALVE	1-SI-8	REPAIR PACKING LEAK	ADJUSTED PACKING	304240630
05/02/83	SI VALVE	1-SI-16	REPAIR PACKING LEAK	TIGHTENED PACKING	304240635
05/02/83	MS VALVE	N/A	OVERSPEED TRIP VALVE WONT TRIP	LUBRICATED LINKAGE	304240730
05/02/83	EE CLEANER	N/A	AIR CLEANER COVER BROKEN REPLACE	WELDED NEW STEM	304242146
05/02/83	CC FLANGE	1-CC-181	FLANGE ON CC-181 HAS LEAK	CHECKED FOR LEAK-NON-	304242324
05/02/83	SI VALVE	MOV-SI-1863B	VALVE DRAWS HIGH AMPS	UNJAMMED GEAR TRAIN	304251100
05/02/83	RH PUMP	RH-101-102	PUMP IS GIVING ERRATIC FLOW	REPLACED PUMP-INST PMP	304260636
05/02/83	CH MOV	MOV-1350	BODY TO BONNET 5 GPM LEAK	RENEWED BONNET GASKET	304280330
05/03/83	CS VALVE	MOV-CS-102B	OVERHAUL VALVE LEAKS THRU	INSTALLED MOV-CS-102P	301071419
05/03/83	RC VALVE	1-RC-143	1-RC-143 LEAKS BY	REPLACED DIAPHRAM	304021201
05/03/83	CH VALVE	MOV-1370	BODY TO BONNET LEAK	REPLACED GASKET BODY TO BONNET	304140652
05/03/83	CC VALVE	1-CC-49	VALVE HANDWHEEL IS OFF OF VALVE	COMPLETED	304150600
05/03/83	CS VALVE	1-CS-2	1-CS-12 IS BINDING BADLY	REPLACED VALVE STEM	304221224
05/03/83	PP VALVE	N/A	REPAIR LEAKING VALVE AT NO.1 OIL RES	VALVE SECURED AND DRAINED	304291600
05/04/83	CH VALVE	1-CH-426	PACKING LEAK	ADJUSTED PACKING	304130450
05/04/83	RS PENET	N/A	REPLACE TEST CONN ON PEN NO 66+69	REPLACED 1/4 SWAGELOC FITTING	304182317
05/04/83	CH PIPING	N/A	INSULATE CH PIPING	REPLACED MISSING INSULATION	304220946
05/04/83	CH VALVE	RV-1382A	REMOVE RV-1382 BLANK	REMOVED VALVE BLANKED	304241100
05/04/83	VS FANS	N/A	RETURN LOUVERS	REMOVED LINE	304251118
05/04/83	VS MANWAY	N/A	REINSTALL MANWAY	INSTALL MANWAY	304251123
05/04/83	VA SPOOLPIE	N/A	REINSTALL SPOOLPIECE	JOB COMPLETE	304251130
05/04/83	MS VALVE	HCV-155	REPLACE INSULATION	REINSULATION VALVE	304251621
05/04/83	MS VALVE	1-MS-145	PACKING LEAK	REPACKED VALVE	304261554
05/04/82	MS VALVE	1-MS-208	PACKING LEAK	REPACKED VALVE	304261556
05/04/83	CH FLANGE	1-CH-367	INSTALL FLANGE	INSTALLED FLANGE	304262020
05/04/83	GW PUMP	P-101	REPLACE PUMP BELT	REPLACED BELT	304270036
05/04/83	CH VALVE	1-CH-93	GRINNELL VALVE 2INCH HAS STEM MIS. IN	REPLACED BONNET ASSY	304270453
05/04/83	CH TRANSMIT	PT-1113A	LINE IS PLUGGED	REMOVED RING IN LINE	304281109
05/04/83	CH LINE	1-CH-56-152	LINE BET FLOW TRANS AND FLANGE HAS 4	REPLACED PIPE	304292111
05/04/83	CH PIPING	1-CH-56	INSTALL PANHANDLE	INSTALLED PANHANDLE	304300127
05/04/83	CH PIPING	CH-1113A	CHANGEOUT FLOW TRANS	CHANGED OUT FLOW TRANS	305040728
05/05/83	CS VALVE	MOV-CS-102A	OVERHAUL LEAKS THRU	INSTALLED MOV-CS-102A	301071418
05/05/83	CH TRANSM	PT-154A	LOOSER FLANGES	LOOSENEED * RETIGHTENED FLANGE	305042300
05/06/83	MS VALVAE	NRV-MS-101A	CANNOT OPERATE NRV WITH HANDWHEEL	RENEWED TRIPPER * CLUTCH	302111921
05/06/83	IA VALVE	1-IA-724	AIR LEAKS PAST VALVE	RENEWED VALVE	304172323
05/06/83	IA WTR TRAP	N/A	AIR LEAKS THROUGH TRAP	CLEANED TRAP INTERNALS RENEW	304172324
05/06/83	IA VALVE	1-IA-725	AIR LEAKS PAST VALVE	RENEWED VALVE	304172325
05/06/83	IA TRAP	N/A	AIR LEAKS	CLEANED TRAP INTERNALS	304180812

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: MECH

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERP	MR
05/06/83	RM	PUMP	SPARE	REBUILD SPARE PUMP S/N 775	OVERHAULED PUMP	304192345
05/06/83	SI	VALVE	MOV-SI-1885B	VLV DRAWS HIGH AMPS	REPACKED VALVE	304251101
05/06/83	CR	CRANE	N/A	REINSTALL VENT PLATES	INSTALLED VENT PLATES	304251119
05/06/83	EE	FILTER	1	FILTER HOUSING GASKET LEAKS	REPLACE FUEL FILTER	304251211
05/06/83	RC	S/G	1-RC-E-1A	LEAK DETECTED OFF OF A S/G	REMOVE PANELS ON BOTT OF STM	304270456
05/06/83	CH	VALVE	1-CH-6	HANDWHEEL/REACHROD NOT CONNECTED	TIGHTENED LOOSE SETSCREWS	304271729
05/06/83	SW	FLANGE	MOV-SW-104C	REMOVE BLANK FLANGE	REPLACED EXPANSION	304281157
05/06/83	CS	VALVE	1-CS-43	PACKING LEAK	ADJUSTED PACKING	305020312
05/06/83	CS	ORIFICE	RO-CS-102A	FLANGE LEAK	TIGHTEN FLANGE BOLTS	305020314
05/06/83	CS	FLANGE	1-CS-P-1A	REMOVE BLANK FLANGES 2	REMOVED BLANK FLANGES	305020721
05/06/83	MC	VALVE	1-MS-379	EXTENSION ROD NEEDS TO BE HOOKED UP	HOOKED UP EXTENSION ROD	305021011
05/06/83	RH	VALVE	1-RH-12	A RH PUMP DISCH VLV	TIGHTENED BODY TO BONNET BOLT	305021200
05/06/83	CH	VALVE	LCV-1460A	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305021205
05/06/83	CH	VALVE	LCV-1460P	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305021210
05/06/83	MS	VALVE	TV-MS-101A	REPAIR BROKEN BRACKET	REPAIRED BRACKET	305030945
05/06/83	CH	VALVE	1-CH-120	VALVE HAS BODY TO BONNET LEAK	RENEWED DIAPHRAM	305041200
05/06/83	CH	VALVE	1-CH-121	VALVE HAS BODY TO BONNET LEAK	INSTALLED DIAPHRAM	305041201
05/06/83	CH	VALVE	1-CH-124	VLV HAS BODY TO BONNET LEAK	INSTALLED DIAPHRAM	305041202
05/07/83	CH	VALVE	MOV-CH-1350	RODY TO BONNET LEAK	RENEWED BONNET GASKET	302040726
05/07/83	CR	VALVE	HCV-1110	FLANGE LEAK	RENEWED FLANGE GASKET	302040729
05/07/83	SI	PIPE	N/A	FLANGE CONNECTION LEAKS	RENEWED FLANGE GASKET	302211242
05/07/83	EC	SPOOLPIE	N/A	REMOVE SPOOLPIECE ON PRESSURIZER	REINSTALLED FLANGE	303290729
05/07/83	SI	FLANGE	N/A	REMOVE FLANGE	REINSTALLED BLANK	303290731
05/07/83	SI	FLANGE	N/A	REMOVE FLANGE	REINSTALLED BLANK	303290733
05/07/83	SI	FLANGE	N/A	REMOVE FLANGE	REINSTALLED BLANK	303290735
05/07/83	CS	FLANGE	1-CS-P-1A	REVERSE GASKET	REVERSED GASKET ON BLANKET	304050310
05/07/83	CS	FLANGE	1-CS-P-1A	INSTALL BLANK FLANGE	INSTALL BLANK ON PUMP	304230225
05/07/83	MS	PCV	PCV-MS-102A	VALVE HAD PACKING LEAK	ADJUSTED PACKING GLAND	304241206
05/07/83	MS	VALVE	PCV-MS-102B	VALVE HAD PACKING LEAK	ADJUSTED PACKING GLAND	304241207
05/07/83	MS	VALVE	1-MS-87	VALVE HAD PACKING LEAK	TIGHTENED PACKING	304241208
05/07/83	MS	VALVE	1-MS-377	VALVE NEEDS REPACKED	TIGHTENED PACKING	304241210
05/07/83	MS	VALVE	1-MS-158	VALVE HAD PACKING LEAK	TIGHTENED PACKING	304241211
05/07/83	SI	SEISMIC	1-SI-P-1A	RETURN THE SEISMIC RESTRAINTS	TIGHTENED RESTRAINTS	304251120
05/07/83	SI	SEISMIC	1-SI-P-1B	RETURN THE SEISMIC RESTRAINTS	TIGHTENED RESTRAINTS	304251122
05/07/83	RS	SEISMIC	1-RS-P-2A	RETURN THE SEISMIC RESTRAINTS	TIGHTENED RESTRAINTS	304251124
05/07/83	RS	SEISMIC	1-RS-P-2B	RETURN THE SEISMIC RESTRAINTS	TIGHTENED RESTRAINTS	304251125
05/07/83	SW	MOV	MOV-SW-104C	BLANK MOV-SW-104C LEAK TESTING	REMOVED EXPANSION JOINT	304261121
05/07/83	SI	VALVE	1-SI-241	REMOVE CHECK VALVE	OPEN CLOSED CHECK	304261200
05/07/83	SI	VALVE	1-SI-242	REMOVE CHECK VALVE	OPEN + CLOSED CHECK VLV	304261201
05/07/83	SI	VALVE	1-SI-243	REMOVE CHECK VALVE	OPEN CLOSED CHECK	304261202
05/07/83	CH	VALVE	1-CH-68	REACH ROD NOT ENGAGED WITH VLV	ALREADY BEEN CONNECTED	304280043
05/07/83	CC	PUMP	1-CC-P-2B	SEAL LEAKS	REBUILD PUMP	304281556
05/07/83	CS	PUMP	1-CS-P-1A	HANUP AND INSTALL BLANK	INSTALLED BLANK	304295323
05/07/83	RS	PIPE	1-RS-29	CASING VENT LINE FOR 1-RS-P-2R	APPLIED THREAD COMPOUND	304302256
05/07/83	CH	FLANGE	N/A	MAKE BLANK FLANGE	FABRICATED BLANK FLANGE	305020544
05/07/83	HS	VALVE	1-MS-347	VALVE NEEDS HANDWHEEL	REPLACED HANDWHEEL	305021005

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: MECH

RETSEVDT	SYS COMP	MARKNO	SUMMARY	WKPERF	HR
05/07/83	RS DOOR	FD-20	DOOR LOCKING MECH	ADJ LOCKING MEDIAN	305030358
05/07/83	MS VALVE	1-MS-119	PACKING NEEDS ADJUSTING	ADJUSTED PACKING GLAND	305030940
05/07/83	CV HATCH	N/A	DOOR CYC ORING BLOWN	REPLACE POWER PACK	305031147
05/07/83	FP VALVE	N/A	REMOV VLV INST PIP PLUG	COMPLETED	305031343
05/07/83	KC FLANGE	N/A	INSTALL BLANKS ON STAND PIPE	INSTALLED BLANK	305041430
05/11/83	CW VALVE	MOV-CW-1106B	VALVE LEAKS BY PADLY	NO LEAKAGE FOUND	202072255
05/11/83	MS VALVE	HRV-MS-101C	PACKING PURMANITED	OVERHAULED MANUAL SECTION	212011149
05/11/83	CS FLANGE	N/A	PT 16.4 TESTING PEN 63	INSTALLED BLANK SIDE	302211231
05/11/83	CS FLANGE	N/A	PT 16.4 TESTING PEN 64	TEST COMPLETE	302211233
05/11/83	CS ORIFICE	RO-CS-101P	REMOVE ORIFICE AND INSTALL FLANGE	RETURN TO ORIGINAL	302271339
05/11/83	RS FLANGE	8-RS-22-153	SEE HYDRO GROUP FOR FLANGE	RETURN TO ORIGINAL	302271417
05/11/83	RS FLANGE	8-RS-23-153	SEE HYDRO GROUP FOR FLANGE	RETURN TO ORIGINAL	302271429
05/11/83	RS PIPE	8-RS-20-153	SEE HYDRO GROUP FOR FLANGE	RETURN TO ORIGINAL	302271502
05/11/83	RS PIPE	8-RS-21-153	SEE HYDRO GROUP FOR FLANGE	RETURN TO ORIGINAL	302271531
05/11/83	EE AIR COMP	NO.2	REMOVE BELTS	CHANGED BELTS FROM DIESEL	304271612
05/11/83	FW VALVE	1-FW-225	VALVE COUPLING	REPLACED VARIOUS LEAKING FITTINGS	305011737
05/11/83	MS VLV	11-MS-379	ATTACH REACH ROD	ATTACHED ROD TO VALVE	305022036
05/11/83	KC FLANGE	1-KC-PT-156A	NEED MECH ASSIST	WONT WITH INST TECH	305051100
05/11/83	CS PUMP	1-CS-P-1B	INSTALL BLANK FLANGE	INSTALLED BLANK FLANGE	305051344
05/11/83	CH PIPING	2-CH-212-152	REMOVE INSULAT	REMOVED INSULATION ON 55R3	305050444
05/11/83	SW VALVE	1-MOV-SW-104B	HANDWHEEL NEEDS TO BE SECURED	SECURED HANDWHEEL	305060710
05/11/83	CV INDIC	FI-CV-150	MOVE LOCAL INDIC		305061211
05/11/83	CV PUMP	1-CV-P-1B	PUMP APPEARS TO PUMP BACKWDS	CHANGED OUT PUMP WITH	305062344
05/11/83	VA PIPE	N/A	REMOVE HI POINT	INSTALLED BLANK FLANGE	305070330
05/11/83	CV PUMP	1-CV-P-1A	CONT VAC PHP DEVEL NO FLOW	DISCHARGE FLEX HOSE SPLIT	305071041
05/11/83	CS FLANGE	MOV-101CD	FLANGE LEAKS	TIGHTENED FLANGE BOLTS LEAK	305071428
05/11/83	MS VALVE	MS-118	BODY TO BONNET LEAK		305071825
05/11/83	MS VALVE	MS-118	TIGHTEN BONNET MS-118	TIGHTENED BONNET BOLTS	305071830
05/11/83	CV PUMP	1-CV-P-1B	PUMP WILL NOT PUMP	REPLACED PUMP WITH REBUILT PUMP	305080030
05/11/83	RS VALVE	MOV-155A	VLV WONT OPER	COMPLETED	305080036
05/12/83	RD VALVE	1-RD-4	PACKING LEAK	REPACKED VALVE	210161244
05/12/83	MS VALVE	1-MS-106	REPAIR TO ORIGINAL PURMANITED	REPLACED 1-MS-106 WITH	210191503
05/12/83	MS VALVE	MS-271	LEAKS PAST SEAT	REPLACED VALVE 1-MS-271	211290402
05/12/83	KC PIPING	N/A	RETRACT AND INSERT FLUX	RETRACTED + INSERTED	212071158
05/12/83	MS VALVE	1-MS-266	PACKING LEAK PURMARITE	REPLACED 1-MS-266 WITH	301061204
05/12/83	MS VALVE	1-MS-196	OVERHAUL VALVE LEAKS THRU	VALVE SEVERLY DAMAGED	301120829
05/12/83	CH VALVE	1-CH-416	3/4 INCH BONNET NEEDS REPLACING	REPLACED BONNET ASSY	302040722
05/12/83	SS VALVE	HCV-SS-102C	NIPPLE ON BODY OF VALVE	VALVE DETERIORATED BEYOND REPAIR	302160702
05/12/83	MS VALVE	1-MS-143	REPLACE 1-MS-1143 WITH CONVAL	VALVE PIPE NIPPLE AND	302171535
05/12/83	CH FLANGE	PIC-1155	FLANGE LEAK	REPLACED FLANGE GASKET	302181400
05/12/83	SW PUMP	1-SW-P-10A	ADJUST PACKING	ADJUSTED BACKING	305081606
05/13/83	VS PUMP	1-VS-P-1B	RENEW SUPPORTING HEAD	INSTALLED SEAL SUPPORT HEAD	303011620
05/13/83	FP PIPING	N/A	INSTALL SPRINKLERS	ADDED A 1 1/4 SUPPLY LINE	304291601

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: M&CH

RETSEVCT	SYS COMP	MARKNO	SUMMARY	WKPERF	HR
05/13/83	EPDC BATTERY	CELL 48	TIGHTEN BATTERY CONNECTORS	TIGHTENED CONNECTOR	305131511
05/14/83	CS VALVE	1-CS-70	OVERHAUL VALVE	LAPPED SEATING SURFACES	304280803
05/14/83	CH VALVE	FCV-1114B	RESTROKE VALVE	ADJUSTED STROKE AND	305101423
05/15/83	RC VALVE	HCV-RC-1557A	REPLACE VALVE		301071302
05/16/83	CH VALVE	1-CH-128	REPLACE DIAPHRAM	REPLACED BONNET ASSY	303251002
05/16/83	PW VALVE	1-PW-172+174	LEAKS BACK THROUGH	FABRICATE STAND TO MOUNT	304291402
05/16/83	MS VALVE	1-MS-155	VALVE NEEDS REPACKING}	REPACKED WITH 7/6 CARLOCK	305020950
05/16/83	SI VALVE	1-SI-124	SLIGHT PACKING LEAK	ADJUSTED PACKING	305120648
05/16/83	SI VALVE	1-SI-336	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120649
05/16/83	SI VALVE	1-SI-340	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120650
05/16/83	CH VALVE	HCV-1311	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120654
05/16/83	CH VALVE	1-CH-311	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120655
05/16/83	RH VALVE	HCV-1605	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120657
05/16/83	RH VALVE	1-RH-25	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305120658

05/19/83	CS VALVE	1-CS-24	SEE HYDRO GROUP FOR FLANGE	CHECK CLEARANCE	302271337
05/19/83	RS VALVE	1-RS-17	FAILED PT 16.4	CLEAN SEATING AND REPLACE	303051701
05/19/83	CH VALVE	1-CH-93	CHANGE OUT DIAPHRAM	REPLACED DIAPHRAM	304051303
05/19/83	RS VALVE	1-RS-12	VALVE LEAKS THROUGH	REMOVED VALVE AND	304270730
05/20/83	VS PUMP	1-VS-P-1B	ELEC DISC MOTOR	DISCONNECTED + RECONNECTED	303041121
05/20/83	PW VALVE	1-PW-142+144	LEAKS BACK THROUGH	REWORKED VALVE	304291401
05/22/83	MS VALVE	1-MS-379	VALVE HANDWHEEL BROKEN OF STEM	REPLACED 1-MS-379	210192209
05/22/83	RC PUMP	1-RC-P-1A	INSPECT SEALS	INSP AND REPAIRED SEALS	212070752
05/22/83	RC PUMP	1-RC-P-1B	INSPECT SEALS	COMPLETED SEAL INSP	212070753
05/22/83	RC PUMP	1-RC-P-1C	INSPECT SEALS	COMPLETED SEAL INSPEC	212070754
05/22/83	SW VALVE	MOV-SW-103C	REMOVE VALVE	COMPLETED	301150822
05/22/83	DA VALVE	TV-DA-100B	LEAKS BY >98 SCFH TYPE C FAILURE	REPLACE WORN PARTS	304072123
05/23/83	MS VALVE	1-MS-151	REPAIR TO ORIG FURMANITED	REPLACED 1-MS-151	210201221
05/23/83	MS VALVE	SV-MS-103B	REMOVE FOR HYDRO AND INSTALL BLANK	REINSTALLED DRAIN LINE	212251002
05/23/83	MS VALVE	SV-MS-104A	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251006
05/23/83	RS HX	1-RS-E-1B	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVED ELLS CLEANED	301150932
05/23/83	RS HX	1-RS-E-1B	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVE DIAPHRAM FOR CLEANING	301150937
05/24/83	RS HX	1-RS-E-1A	REMOVE STRONGPACK FOR NDT	REMOVED STRONGPACK	210041101
05/24/83	RS HX	1-RS-E-1D	REMOVE STRONGPACK FOR NDT	REMOVED STRONGPACK	210041102
05/24/83	RS HX	1-RS-E-1C	REMOVE STRONGPACK FOR NDT	REMOVED STRONGPACK	210041103
05/24/83	RS HX	1-RS-E-1D	REMOVE STRONGPACK FOR NDT	REMOVED STRONGPACK	210041104

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: MECH

RETSEVDT	SYS COMP	MARNO	SUMMARY	WKPERF	HR	
05/24/83	RC	SNUBBER	1-RC-HSS-162	D/C 79-86 INSPECT AND VERIFY	RESET CLEVIS	212201336
05/24/83	RC	SNUBBER	1-RC-HSS-163	D/C 79-86 INSPECT AND VERIFY	SNUBBER SAT	212201337
05/24/83	RC	SNUBBER	1-RC-HSS-167	D/C 79-86 INSPECT AND VERIFY	RESET CLEVIS	212201339
05/24/83	RC	SNUBBER	1-RC-HSS-171	D/C 79-86 INSPECT AND VERIFY	CHECK ATTACHMENT SHEET	212201341
05/24/83	MS	VALVE	N/A	TEST MAIN STEAM SAFETY VALVES	COMPLETED	212211237
05/24/83	MS	VALVE	SV-MS-104B	REMOVE FOR HYDRO AND INSTALL	REPLACED DISC AND	212251001
05/24/83	MS	VALVE	SV-MS-102B	REMOVE FOR HYDRO AND INSTALL BLANK	REMOVED SAFETY REPLACED	212251003
05/24/83	MS	VALVE	SV-MS-105B	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251004
05/24/83	MS	VALVE	SV-MS-105A	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251005
05/24/83	MS	VALVE	SV-MS-103A	REMOVE FOR HYDRO AND INSTALL BLANK	DIASSEMBLED CLEANED AND	212251007
05/24/83	MS	VALVE	SV-MS-101A	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251008
05/24/83	MS	VALVE	SV-MS-105C	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251009
05/24/83	MS	VALVE	SV-MS-104C	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251010
05/24/83	MS	VALVE	SV-MS-101C	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAPPED	212251012
05/24/83	MS	VALVE	SV-MS-103C	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC LAP	212251013
05/24/83	MS	VALVE	SV-MS-102A	REMOVE FOR HYDRO AND INSTALL BLANK	REPLACED DISC AND	212251017
05/24/83	MS	VALVE	SV-MS-101B	REMOVE FOR HYDRO AND INSTALL BLANK	DIASSEMBLED CLEANED AND	212251018
05/24/83	RS	HX	1-RS-E-1A	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVED ELLS CLEANED	301150931
05/24/83	RS	HX	1-RS-E-1C	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVED ELLS CLEANED	301150933
05/24/83	RS	HX	1-RS-E-1D	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVED ELLS CLEANED	301150934
05/24/83	RS	HX	1-RS-E-1A	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVE DIAPHRAM FOR	301150935
05/24/83	RS	HX	1-RS-E-1C	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVED DIAPHRAM FOR CLEANING	301150939
05/24/83	RS	HX	1-RS-E-1D	REMOVE ELLS FROM LOWER PART OF HT EX	REMOVE DIAPHRAM FOR CLEANING	301150941
05/24/83	HSS	SNUBBER	N/A	PERFORM AS LEFT PT ON INACCESSIBLES	PERFORM AS FOUND	302031210
05/24/83	HSS	SNUBBER	1-RC-HSS-122	REMOVE FUNCTIONAL TEST	TESTED AND OVERHAUL	302031213
05/24/83	HSS	SNUBBER	1-RC-HSS-138	REMOVE FUNCTIONAL TEST	TESTED AND OVERHAUL	302031220
05/24/83	HSS	SNUBBER	1-RC-HSS-139	REMOVE FUNCTIONALLY TESTED	TESTED AND OVERHAUL	302031226
05/24/83	HSS	SNUBBER	1-SI-HSS-20	REMOVE FUNCTIONAL TEST	SATISFACTORY	302031251
05/24/83	HSS	SNUBBER	1-SHP-HSS-7	REMOVE FUNCTIONAL TEST	SATISFACTORY	302031253
05/24/83	MS	VLV	SV-MS-102C	REMOVE VLV	REPLACED DISC LAPPED	302121333
05/24/83	HSS	SNUBBER	1-RC-HSS-171	REMOVE FUNCTIONALLY TEST AND REINTSA	TESTED AND REBUILT	303091048
05/24/83	HSS	SNUBBER	1-WPPD-HSS-1	CHANGE SNUBBER OUT	CHANGED OUT SNUBBER	303121343
05/24/83	HSS	SNUBBER	1-SHP-HSS-5A	CHANGE SNUBBER OUT	CHANGE OUT SNUBBER	303121345
05/24/83	HSS	SNUBBER	1-RC-HSS-110	CHANGE SNUBBER OUT	CHANGED OUT SNUBBER	303121347
05/24/83	HSS	SNUBBER	1-SI-HSS-28	CHANGE OUT SNUBBER	REPLACED SNUBBER WITH	303121601
05/24/83	HSS	SNUBBER	1-RC-HSS-102	CHANGE OUT SNUBBER	INSTALL RELIEF SNUBBER	303121602
05/24/83	HSS	SNUBBER	1-WCCB-HSS-2	CHANGE OUT SNUBBER	CHANGED OUT SNUBBER	303121607
05/24/83	HSS	SNUBBER	1-RH-HSS-1	CHANGE SNUBBER OUT	CHANGED OUT SNUBBER	303121610
05/24/83	HSS	SNUBBER	1-RH-HSS-9	CHANGE SNUBBER OUT	CHANGED OUT SNUBBER	303121612
05/24/83	HSS	SNUBBER	1-RH-HSS-10	CHANGE SNUBBER OUT	CHANGED OUT SNUBBER	303121614
05/24/83	HSS	SNUBBER	1-WPPD-HSS-3	REMOVE FUNC TEST	SATISFACTORY	303201101
05/24/83	HSS	SNUBBER	1-VAPD-HSS-146	REMOVE FUNC TEST	AS FOUND SAT INSTALLED	303201104
05/24/83	HSS	SNUBBER	1-SHP-HSS-5B	REMOVE FUNC TEST	FUNC TEST SAT	303201105
05/24/83	HSS	SNUBBER	1-RC-HSS-103	REMOVE FUNC TEST	FUNC TEST SAT INSTALLED	303201106
05/24/83	HSS	SNUBBER	1-RC-HSS-302	REMOVE FUNC TEST	AS FUNC TEST UNSAT	303201107

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: MECH

RETSEAVDT	SYS COMP	MARKNO	SUMMARY	WKPERF	MP	
05/24/83	HSS	SNUBBER	1-WAPP-HSS-147	REMOVE FUNC TEST	AS FOUND SAT REPLACED	303201108
05/24/83	HSS	SNUBBER	1-RH-HSS-5	REMOVE FUNCTIONALLY TEST	FUNC TEST SAT INSTALL	303210835
05/24/83	HSS	SNUBBER	1-RH-HSS-7	REMOVE FUNCTIONALLY TEST	AS FOUND FUNC TEST	303210837
05/24/83	HSS	SNUBBER	1-SHP-HSS-14B	REMOVE FUNCT TEST	FUNCTIONAL TEST SAT	303271347
05/24/83	HSS	SNUBBER	1-RH-HSS-12	REMOVE FUNCT TEST	TESTED AND REPLACE	303250704
05/24/83	SW	PUMP	1-SW-P-1B	PMS REQUIRED OIL CHNGE	CHANGED OIL	303251619
05/24/83	SW	PUMP	1-SW-P-1B	PMS REQUIRED OIL CHANGE	CHANGED OIL	303251621
05/24/83	SW	PUMP	1-SW-P-1	PMS REQUIRED OIL CHANGE	CHANGED OIL	303251633
05/24/83	HSS	SNUBBER	1-WFPD-HSS-15	REPLACE SNUBBER AS PER EVALUATION	REPLACE SNUBBER	303271324
05/24/83	MS	BOTTLE	N/A	REPLACE NITROGEN BOTTLE	REPLACED NITROGEN BOTTLE	304101547
05/24/83	CS	VALVE	1-CS-055	VALVE MISSING HANDWHEEL	VALVE SEVERLY DAMAGED	304142050
05/24/83	CH	VALVE	1-CH-128	REPLACE MISSING BONNET	NOT MISSING AND	304231405
05/24/83	VS	FAN	1-VS-F-42	ADJUST FAN SPEED	READJUSTED	305031143
05/24/83	RM	MONITOR	B1-RMS-159	SHIELD BOX LEAKING	LEAKAGE IS OF NO	305110550
05/24/83	RM	MONITOR	RM-CW-101	PMP DISCHG FITTING NEEDS TIGHTENED	RENEWED HOSE AND	305121330
05/24/83	CH	VALVE	1-CH-300	REPAIR LEAK ON 1-CH-300	ADJUSTED PACKING	305121537
05/24/83	CE	VALVE	1-CH-294	REPAIR LEAK ON 1-CH-294	REPACKED	305121538
05/24/83	RC	VALVE	1-RC-70	PACKING LEAK	REPACKED VALVE	305141345
05/24/83	EE	CLEANER	N/A	NEEDS OIL IN GENERATOR	ADDED OIL TO OIL	305150450
05/24/83	HSS	SNUBBER	1-WFPD-HSS-1	REFIL	REFILLED SNUBBER	305170900
05/24/83	HSS	SNUBBER	1-WFPD-HSS-2	70 PERCENT FLUID LEVEL REFIL	REFILLED	305170901
05/24/83	HSS	WFPD	1-WFPD-HSS-14	FIX LOOSE FITTINGS	TIGHTENED FITTINGS	305170902
05/24/83	HSS	SNUBBER	1-WFPD-HSS-17	65 PERCENT FLUID LEVEL REFIL	REFILLED SNUBBER	305170903
05/24/83	HSS	SNUBBER	1-WFPD-HSS-8	TIGHTEN FITTINGS AND REFIL	TIGHTENED FITTINGS	305170905
05/24/83	HSS	SNUBBER	1-RH-HSS-19	TIGHT FITTINGS AND REFIL	TIGHTENED FITTING	305170907
05/24/83	HSS	SNUBBER	1-RC-HSS-124	REINSPECT AND REFIL	REFILLED	305170915
05/24/83	HSS	SNUBBER	1-SHP-HSS-13A	REBUILT/REPLACE SNUBBER	REFILLED	305170916
05/24/83	HSS	SNUBBER	1-RH-HSS-3	REFIL	REFILL HSS	305170917
05/24/83	HSS	SNUBBER	1-SI-HSS-27B	FIX LEAKS ON FITTING	TIGHTENED FITTING	305170918
05/24/83	CS	VALVE	1-CS-50	TIGHTEN PACKING	COMPLETED	305171600
05/24/83	CS	VALVE	1-CS-49	TIGHTEN PACKING	COMPLETED	305171601
05/24/83	CS	VALVE	1-CS-51	TIGHTEN PACKING	COMPLETED	305171602
05/24/83	CS	VALVE	1-CS-52	TIGHTEN PACKING	COMPLETED	305171603
05/24/83	CS	VALVE	1-CS-110	TIGHTEN PACKING	COMPLETED	305171604
05/24/83	CS	VALVE	1-CS-111	TIGHTEN PACKING	COMPLETED	305171605
05/24/83	RM	PUMP	RM-RMS/159	PUMP FROZEN	INSTALLED NEW VACUUM	305180723
05/24/83	RD	PIPING	2 1/2 WCB	INSTALL SPRING HANGER	INSTALLED SPRING HANGER	305190906
05/24/83	RS	VALVE	N/A	EQUILIZING VLV LEAKS	STRAIGHTENED ARM	305191900
05/24/83	RS	VALVE	N/A	EQUIL VLV LEAKS	REPLACED MISSING GUIDE	305191901
05/25/83	SW	VALVE	MOV-SW-103D	REMOVE VALVE	CLEANED VALVE AND PRESS	301150823
05/25/83	SI	FLANGE	FE-1940	FLANGE LEAK	TIGHTEN FLANGE BOLTS	301231408
05/25/83	HSS	SNUBBER	N/A	PERF SNUBBER FUNCT PT	PERFORM SNUBBER PT 39.2	302031204
05/25/83	HSS	SNUBBER	N/A	PERF AS LEFT PT	PT COMPLETED	302031212
05/25/83	FW	BOLT	1-FW-P-3A	1ST BOLT INBOARD ON TOP LEAKS	REPLACED GASKET AND	302112151
05/25/83	RC	S/G	1-RC-F-1B	REMOVE HOT LEG AND COLD LEG	REMOVED AND REINSTALLED	302170150

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: MECH

RETSEVDT	SYS COMP	HARKNO	SUMMARY	WKPERF	MR
05/25/83	RC S/G	1-RC-E-1C	REMOVE HOT LEG AND COLD LEG MANWAYS	REMOVED AND REINSTALLED	302170151
05/25/83	DG VALVE	TV-DG-108A	LEAKS BY AT 15SCFH	INSTALL NEW	303182021
05/25/83	CH VALVE	FCV-1160	FAILED PT 16.4 LEAKS	LAPPED SEAT AND PLUG	304050803
05/25/83	DA VALVE	TV-DA-100A	VALVE LEAKS BY >9RSCFH	INSTALL NEW SEAT RING	304072121
05/25/83	CH PUMP	1-CH-P-1C	INRD SEAL LEAKING	RESET SEAL	304251140
05/25/83	PW VALVE	1-PW-157+159	LEAKS BACK THROUGH	REBUILT VALVE	304291400
05/25/83	SW PUMP	1-SW-F-10B	ADJUST PACKING	REPLACED PACKING WITH	305081607
05/25/83	RM PUMP	RM-VG-109/110	ERRATIC FLOW	EXCHANGED PUMPS	305110820
05/25/83	VS PIPING	N/A	REMOVE SECTION	REMOVED AND REPLACED	305111900
05/25/83	MS VALVE	1-MS-378	PACKING LEAK	REPACKED VALVE WITH	305121603
05/25/83	SI VALVE	1-SI-147	DISCHG CK VALVE	FOUND WIRE IN VALVE BLEED	305122249
05/25/83	SI VALVE	1-SI-145	DISCG CK VLV	BLEED VALVE GOT 10GPERC	305122251
05/25/83	GN VALV	GN-3	VALVE HAS PACKING LEAK	ADJUSTED PACKING	305130737
05/25/83	CC PUMP	1-CC-P-1A	LID IS MISSING	REPAIRED STEPS JOB	305130840
05/25/83	MS VALVE	1-MS-119	OVERHAUL VALVE LEAKS THRU	OVERHAULED VALVE	305131000
05/25/83	RC GEN	1-RC-E-1A	REPAIR LEAKING HANDHOLE	REPLACED GASKET	305131313
05/25/83	RC FLANGE	N/A	INSTALL HIGH POINT VENT RIG	INSTALLED HIGHG POINT	305131630
05/25/83	CH PIPING	1-CH-56-152	BLOCKAGE EXISTS	WKPERF ON MR 1305152110	305152105
05/25/83	CH VLV	1-CH-228	SUSPECT BORIC ACID BLOCKAGE	REPLACED DIAPHRAM	305152110
05/25/83	BD HANGER	N/A	ROD UATTACHED	REATTACH SUPPORT ARM	305160845
05/25/83	BR VALVE	PCV-BR-114	PACKING NEEDS ADJUSTING	ADJUSTED PACKING	305161618
05/25/83	RC VALVE	MOV-RC-1590	BORIC ACID RESIDUE ON VALVE	CLEANED BORIC ACID	305161832
05/25/83	CC VALVE	1-CC-181	LEAK ON VALVE	TIGHTEN FLANGE	305161907
05/25/83	RC VALVE	MOV-RC-1592	BORIC ACID RESIDUE ON VALVE	CLEANED VALVE	305170904
05/25/83	RC VALVE	MOV-RC-1593	BORIC ACID RESIDUE ON VALVE	CLEANED BORIC ACID	305170906
05/25/83	RC VALVE	MOV-RC-1594	BORIC ACID RESIDUE ON VALVE	CLEANED VALVE OFF	305170908
05/25/83	RC VALVE	MOV-RC-1595	BORIC ACID RESIDUE ON VALVE	CLEANED VALVE	305170909
05/25/83	BS DOOR	N/A	EMERGENCY SWITCHGEAR TO TURN	INSTALLED FOAM RUBBER	305171915
05/25/83	RS DOOR	N/A	EMSWGR TO NO.1 CAR VAULT DOOR	SEALED DOOR	305171917
05/25/83	RC VALVE	PCV-1455C	VALVE HAS DIAPHRAM LEAK	TIGHTENED DIAPHRAM BOLTS	305171928
05/26/83	HSS SNURR	1-RC-HSS-147	REPAIR LEAKING SNUBRER	REPLACED 5 RINGS	305211200
05/26/83	RC FLANGE	N/A	REMOVE VENT RIG	REMOVED VENT	305261521
05/27/83	RC PUMP	1-RC-P-1A	DISASSEMBLE PUMP	DISASSEMBLED + REASSEMBLED PUMP	303052052
05/27/83	RC PUMP	1-RC-P-1B	REMOVE MAIN FLANGE BOLTS	REMOVED + INSTALLED BOLTING	303091120
05/27/83	HSS SNUBRER	1-SHP-HSS-6B	REBUILT/REPLACED SNUBRER	REFILLED	305170910

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: MECH

RETSEVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	PR
05/27/83	RC	VALVE	MOV-RC-1591	BORIC ACID RESIDUE ON VALVE	CLEANED BORIC ACID CRYSTALS	305170911
05/27/83	HSS	SNUBBER	1-RC-HSS-164	REFIL OR REPLACE SNUBBER	REFILLED	305170912
05/27/83	DG	VALVE	1-DG-14	BTH REPL OR REP 1-DG-14	TIGHTENED BONNET BOLTS	305212048
05/27/83	CH	PUMP	1-CH-P-2D	REPAIR SIGHT GLASS	REPLACED OILER ASSY	305251703
05/31/83	HSS	SNUBBER	N/A	PERF AS FOUND PT	PERF PT AND FOUND SAT	302031211
05/31/83	HSS	SNUBBER	1-WGCR-MSS-10	REMOVE FUNCTIONAL TEST	TESTED UNSAT REPLACE	302031246
05/31/83	HSS	SNUBBER	1-SHP-MSS-54H	REMOVE FUNCTIONAL TEST	REPLACED SNUBBER	302031250
05/31/83	HSS	SNUBBER	1-PS-MSS-10C	REMOVE FUNCTIONAL TEST	TESTED AND SATISFACTORY	302031255
05/31/83	HSS	SNUBBER	1-SHP-MSS-55A	REMOVE FUNCTIONAL TEST	REPLACE SNUBBER	303020900
05/31/83	HSS	SNUBBER	1-WGCR-MSS-14A	REMOVE FUNC TEST REINSTALL	TEST UNSAT REPLACED	303020932
05/31/83	HSS	SNUBBER	1-WGCR-MSS-14B	REMOVE PUNCT TEST REINSTALL	SATISFACTORY TEST	303020933
05/31/83	HSS	SNUBBER	1-WGCR-MSS-12	REMOVE FUNCTIONAL TEST + REINSTALL	TESTED AND SATISFACTORY	303021612
05/31/83	HSS	SNUBBER	1-WGCR-MSS-13	REMOVE FUNCTIONAL TEST	TEST UNSAT REPLACED	303021613
05/31/83	HSS	SNUBBER	1-RS-MSS-115A	COTTER PIN MISSING	REPLACED COTTER PIN	305170913
05/31/83	HSS	SNUBBER	WAPD-143A	INSTALL MISSING COTTER PIN	RELOCATED COTTER PIN	305250730
05/31/83	HSS	SNUBBER	WAPD-143B	INSTALL MISSING COTTER PIN	FILLED TO 80PERC	305250731
05/31/83	HSS	SNUBBER	1-SHP-HSS-4A	ADD FLUID TO 80PERC	FILL TO 80PERC	305250732
05/31/83	HSS	SNUBBER	1-SHP-HSS-B	FILL TO 80PERC	FILLED TO 80 PERC	305250733
05/31/83	HSS	SNUBBER	1-SHP-HSS-7	REPAIR LEAK	SHUGGED UP FITTINGS	305250734
05/31/83	HSS	SNUBBER	1-SHP-HSS-9	REPAIR LEAK	SHUGGED UP FITTINGS	305250736
05/31/83	HSS	SNUBBER	1-SHP-HSS-12	REPAIR LEAK	SHUGGED UP FITTINGS	305250738
05/31/83	HSS	SNUBBER	1-SHP-HSS-11	REPAIR LEAK	SHUGGED UP FITTINGS	305250739
05/31/83	HSS	SNUBBER	RC-HSS-143	CLEAN RUST ON SHAFT	CLEANED RUST FROM SHAFT	305250740
05/31/83	HSS	SNUBBER	PRZ PATH	ADD FLUID TO 80PERC	FILLED TO 80PERC	305250742
05/31/83	HSS	SNUBBER	RC-HSS-142	FILL TO 80PERC	INSPECTED NO	305250743
05/31/83	HSS	SNUBBER	C SG 12	ADD FLUID OT 12 PATHONS	FILLED TO 80PERC	305250900
05/31/83	HSS	SNUBBER	1-SI-27A	ADD FLUID TO 80PERC	FILLED TO 80PERC	305250901
05/31/83	HSS	SNUBBER	1-SI-27B	FILL TO 80PERC	FILLED TO 80PERC	305250902
05/31/83	HSS	SNUBBER	1-SI-24B	FILL TO 80PERC	FILLED TO 80PERC	305250903
05/31/83	HSS	SNUBBER	1-SI-24A	FILL SNUBBER TO 80 PERC	FILLED TO 80PERC	305250904
05/31/83	HSS	SNUBBER	1-RC-124	REPAIR LEAKING BOLT	NO LEAKAGE FOUND	305250929
05/31/83	HSS	SNUBBER	BH-HSS-3	CLEAN BORIC ACID OFF SNUR	CLEANED BORIC ACID OFF HSS	305250930
05/31/83	HSS	SNUBBER	1-BH-HSS-21	REFILL TO 80PERC	FILLED TO 80PERC	305250935
05/31/83	HSS	SNUBBER	1-WAPD-140	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM	305250945
05/31/83	HSS	SNUBBER	1-HSS-141B	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM	305251001
05/31/83	HSS	SNUBBER	1-WGCR-MSS-15A	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM SHAFT	305251002
05/31/83	HSS	SNUBBER	1-SI-HSS-26	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM SHAFT	305251003
05/31/83	HSS	SNUBBER	1-WAPD-141A	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM	305251011
05/31/83	HSS	SNUBBER	1-WGCR-03	REMOVE PAINT FROM SHAFT	REMOVED PAINT FROM SHAFT	305251030
05/31/83	VA	FLANGE	N/A	REMOVE VENT RIG	REMOVED VENT INSTALLED	305261528

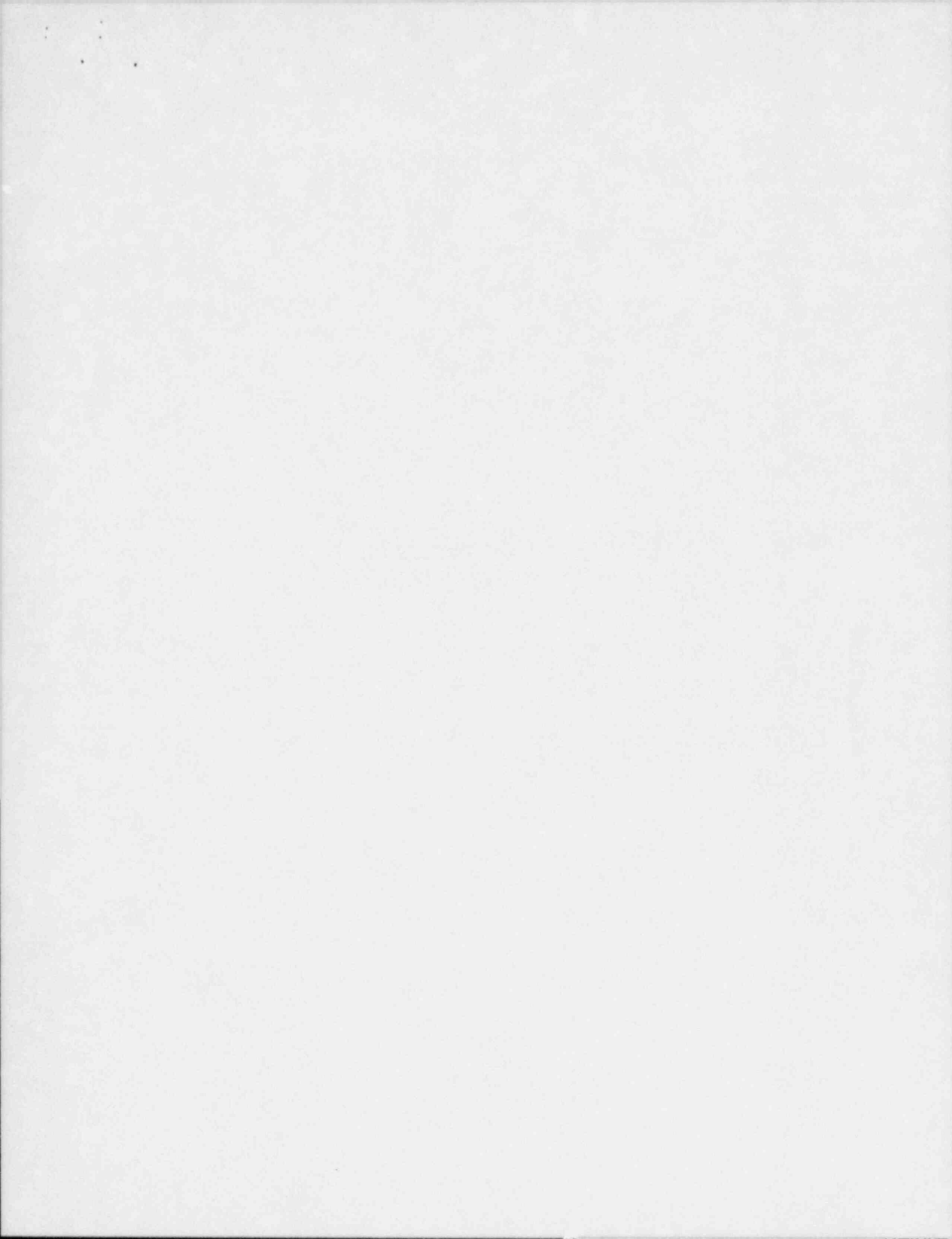
MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTFNANCE

MAY, 1983

NONE DURING THIS REPORTING PERIOD.



MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

MAY, 1983

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: ELEC

DATE	SYS COMP	MARKNO	SUMMARY	WKPERF	HR	
05/01/83	EPDC	INVERTER I-II	REPLACE INDUCTOR	REPL INDUCTOR AND PET	301051601	
05/01/83	KS	VALVE	TV-MS-101C	TRIP VLV DOES NOT OPER	OPERATED VALVE SAT FROM	304301241
05/02/83	KC	MOTOR	1-RC-P-1B	DISCONNECT AND RECONNECT	DISCON AND RECON	301041135
05/02/83	BS	PENE	5B	TYPE B TEST FAILURE	RETORQUED FLANGE	302191301
05/02/83	BE	HATCH	N/A	SOLENOID VALVE NEEDS REPLACING	ADJUSTED PIN OPERATE SAT	303101750
05/02/83	CS	MOV	MOV-CS-103A	CHECK TORQUE SWITCH	CYCLED VALVE SAT	303132340
05/02/83	BS	HATCH	N/A	MOTOR WILL NOT STOP RUNNING	CLEANED CONTACTS TEST SAT	304161801
05/02/83	KC	VALVE	PCV-1455C	SET LIMITS	ADJUSTED LIMITS	304251743
05/02/83	KC	VALVE	PCV-1456	SET LIMITS	ADJUSTED LIMITS	304251745
05/02/83	CH	HCV	HCV-1200A	CANNOT GET OPEN INDICATION	CYCLED SAT	304260210
05/02/83	CH	MOTOR	MOV-1370	DISC + RECON FOR MECH		304260301
05/02/83	CH	MOTOR	MOV-1370	DISC+RECON FOR MECH	DISC + RECON MOV	304260302
05/02/83	MS	VALVE	TV-MS-1011C	MAIN STEAM TRIP VLV WILL NOT OPEN	CHECKS OUT SAT	304261724
05/02/83	SI	PUMP	MOV-1863B	DRAWS EXCESSIVELY HIGH AMPS	ADJUSTED TORQUE SWITCH	304270400
05/02/83	EE	BKR	15J5	INTERLOCK DEVICE	REPAIRED INTERLOCK	304281055
05/02/83	VS	SWITCH	FS-VS-117A	WHEN GOING TO TEST AS PER PT 32.4	NO PROBLEM FOUND	304281858
05/02/83	CS	MOV	MOV-CS-101A	VLV WILL NOT OPERATE ELECTRICALLY	REPAIRED MOTOR STATOR	304302232
05/02/83	CS	MOV	1-CS-101R	WILL NOT OPERATE ELEC	REPAIRED MOTOR STATOR	304302233
05/03/83	KC	MOTOR	1-RC-P-1A	DISCON AND RECON	DISC AND RECON MOTOR	301041133
05/03/83	MS	VALVE	TV-MS-101C	VLV WILL NOT CLOSE	RETURNED BYPASS LERV TO NORM	305022305
05/04/83	CH	SWITCH	HCV-1201	ADJUST LIMIT SWITCH	MR TO MECH	304151500
05/04/83	CH	MOV	LCV-1115R	CYCLE AND VERIFY ROTATION	VALVE CYCLED SAT	304300813
05/04/83	CH	MOV	LCV-1115D	CYCLE AND VERIFY ROTATION	VALVE TESTED SAT	304300814
05/04/83	CH	TRANSMI	FT-1-113	REMOVE WIRES	DISC FLOW XMTR + RECON	304301140
05/04/83	BS	HATCH	C-D-6	DQOR PINS DO NOT OPER	PINS OPERATE SAT	305022057
05/05/83	EPL	BREAKER	14J9	REPLACE BKR	SET UP THE NEW 14J9	301060840
05/05/83	SW	MOV	MOV-SW-103A	ELEC DISC AND REC VLV	VALVE RECONNECTED	301150718
05/05/83	SW	MOV	MOV-SW-104A	ELEC DISC AND REC VLV	DISC AND RECON FOR MECH	301150722
05/05/83	SW	MOV	MOV-SW-104D	ELEC DISC AND REC VLV	DISC AND RECON FOR MECH	301150725
05/05/83	SW	MOV	MOV-SW-105A	ELEC DISC AND REC VLV	DISCON AND RECON FOR MECH	301150726
05/05/83	SW	MOV	MOV-SW-105C	ELEC DISC AND REC VLV	DISCONNECT AND RECON FOR MECH	301150728
05/05/83	SW	SWITCH	MOV-SW-103D	REPL TORQUE	TORQUE SWITCH REPLACED	302151158
05/05/83	SW	MOV	MOV-SW-103C	REPLACE TORQUE SWITCH ASSEMBLY	TORQUE SWITCH REPLACED	302170701
05/05/83	EPL	BREAKER	N/A	REMOVE OVERCURRENT TRIP BRACKETS	BRACKETS REMOVED	305030819
05/05/83	EPL	BREAKER	N/A	REMOVE OVERCURRENT TRIP BKR	BRACKETS REMOVED	305030820
05/05/83	EPL	BREAKER	N/A	REMOVE OVERCURRENT TRIP BRACK	BRACKETS REMOVED	305030821
05/05/83	EPL	BREAKER	N/A	REMOVE OVERCURRENT BRACK	REMOVED BRACKETS	305030822
05/06/83	MS	N/A	RV-MS-101A	REPAIR SEAL TIGHT	REPAIRED SEAL TIGHT COMP	305031118
05/07/83	KC	MOTOR	1-RC-P-1C	DISCON AND RECON	DISCONNECTED AND	301041138
05/07/83	EE	TIMER	N/A	RESET TIMER	TIMER WAS RESET TO 7 SEC	304271235
05/07/83	EE	TIMER	N/A	RESET TIMER	TIMER WAS RESET TO 7 SEC	304271634
05/07/83	CV	VALVE	TV-CV-150C	CLOSED LIGHT GOES OUT	RELAMP TEST SAT	305032119
05/09/83	VS	DAMPER	MOD-VS-58A	DAMPER NOT FULLY OPEN	WORKED WITH MECHS AND	304270525

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT: 1

DEPT: ELEC

RETSEVLT	SYS COMP	MARKNO	SUMMARY	WKPERF	MR
05/11/83	RC RELAY	MOV-1590	ADJUST STEM SWITCH	REPLACE RELAY TEST	211300918
05/11/83	RC MOV	RC-1595	REPLACE MOTOR TO SHAFT	INSTALLED NEW SHAFT	211300926
05/11/83	SI MOV	1885B	DISC + RECON FOR MECH DEPT	DISC REPLAC BEARINGS	304300900
05/11/83	CS VALVE	MOV-CS-101D	VALVE LEAKS	ADJUSTED LIMITS	305050549
05/11/83	CS VALVE	MOV-CS-101C	VALVE LEAKS	ADJUSTED LIMITS	305050550
05/11/83	CH HT	PAN8CHT2D	REPAIR OR REPLACE HT	REPLACED DEFECTIVE HEAT	305051700
05/11/83	CH HT	PAN9CHT2D	REPA OR REPL HT	REPLACED ENTIRE	305051701
05/11/83	FW MOV	MOV-151F	REPLACE OVERLOAD	REPLACED OVERLOADS	305061617
05/11/83	FW MOV	MOV-151D	REPLACE OVERLOAD	REPLACED OVERLOADS	305061618
05/11/83	RC MOV	MOV-1536	PLACE OVERLOADS	PLACED HEATERS ON	305061619
05/11/83	FW MOV	MOV-151B	REPLACE OVERLOAD ASSEMBLY	REPLACED OVERLOADS	305061620
05/11/83	RS VALVE	MOV-155A	BREAKER TRIPPED	DISCON + RECON	305071800
05/11/83	EPDC BATT	1A	TIGHTEN BATT CONNECTORS	TIGHTENED NUTS ON BATTERY	305101830
05/11/83	EPDC BATTERY	CELL 52	PLACE JUMPER	JUMPER INSTALLED	305102112
05/11/83	EPDC BATTERY	CELL 22	PLACE JUMPER ON CELL 23	JUMPER INSTALLED	305102113
05/11/83	EPDC BATT	37	INSTALL JUMPER ON BATT 37	JUMPER INSTALLED	305110746
					41
05/13/83	RI ALARM	K-C-6	ALARM COMES IN AND OUT	REINSTALLED LEAD	305031020
05/13/83	EPDC BATTERY	CELL 1	TIGHTEN BATTERY CONNECTORS	TIGHTENED CONNECTOR	305131508
05/13/83	EPDC BATTERY	CELL 46	TIGHTEN BATTERY CONNECTORS	TIGHTENED CONNECTOR	305131509
05/13/83	EPDC BATTERY	CELL 47	TIGHTEN BATTERY CONNECTORS	TIGHTENED CONNECTOR	305131510
05/14/83	RP SWITCH	TR-1-412	SWITCH DOES NOT ALWAYS	REPLACED SWITCH AND	211150829
05/14/83	RH MOTOR	1-RH-P-1B	ADD OIL TO RHR MOTOR	ADDED 1/2 GALLON	305131631
05/15/83	SW INSTR	MOV-SW-104R	LIMIT SWITCH NEEDS ADJ	CLEANED LIMIT SWITCH	305142000
05/16/83	RS PUMP	1-RS-P-1A	LIGHT ON PUMP NOT RUNNING	LIGHT CHECKS SAT	212131809
05/16/83	RC CABLE	1B12PL4	CHECK CABLE CONNECTIONS	REPAIRED SPLICES AT	303041720
05/16/83	TR CONNECTO		REPAIR CRDMS PLUGS ON OCTOPUS	WORK PERFORMED AS PER	303210700
05/16/83	GW ALARM	1-WD-D-10	ALARM SPURIOUSLY	CORRECTED CARD GATE	304041045
05/16/83	RC VALVE	PCV-1455C	ADJUST LIMITS	ADJUSTED LIMITS	305051258
05/16/83	CC VALVE	TV-CC-109A	VALVE DID NOT CLOSE	TESTED SAT	305101138
05/16/83	VG VALVE	TV-VG-109A	VALVE DID NOT CLOSE	TESTED SAT	305101139
05/16/83	RM VALVE	TV-RM-100R	VALVE WILL NOT OPEN	NO PROBLEM	305101225
05/16/83	EPDC INVERTER	111	REPAIR AS NECESSARY	INSTALLED NEW RACK SUPPLIED	305101530
05/17/83	CH HT	PNL8CKT13C	REPAIR OR REPLAC HEAT TRACE	CKT REPLACED	305171315
05/18/83	FP BATTERY	N/A	REMOVE LEADS	DISC + RECON BATTERY	305170957
05/19/83	SW VALVE	MOV-SW-103C	ADJUST LIMITS	ADJUST LIMITS TEST SAT	305111440
05/19/83	RC MOTOR	1-RC-P-1B	DISCONNECT AND RECONNECT	DISCONNECTED + RECONNECTED MOTOR	305121617
05/19/83	SW MOV	MOV-SW-104R	REPLACE MOTOR	REPLACED OLD STATOR	305190810
05/19/83	SW MOV	MOV-SW-105C	REPLACE MOTOR	REPLACED OLD STATOR	305190811
05/20/83	LW INSTR	LS-LW-102B	ALARM LOCKED IN WILL NOT CYCLE CORRE	REPAIRED CARD	305070528
05/20/83	EPDC BATTERY	37	REPLACE BATTERY	INSP CONTROLLER	305111532
05/20/83	FW MOV	MOV-FW-151D	VALVE CLOSERS	CYCLED VALVE	305111830

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: ELEC

RETSERVPT	SYS COMP	MARKNO	SUMMARY	WKPERE	HR	
05/20/83	RC	MOV	MOV-RC-1587	INSPECT LIMIT SWITCHES	CLEAN O+ INSPEC	305131643
05/20/83	BE	PUMP	1-BE-P-7B	PUMP WILL NOT START	TIGHTENED LOOSE SCREW	305161326
05/20/83	RD	SWITCH	PCV-RD-100C	VLV IND INTERMED POSITION WHEN OPEN	DRIED OUT SWITCH	305180539
05/20/83	RH	MOTOR	RH-159/160	CHECK FOR PROBLEM	MOTOR BRIDGED MEGGER	305180822
05/22/83	PG	MOV	MOV-PG-107A	PERFORM PMS	PERFORMED PMS PG MOV EC2	305270801
05/23/83	CH	VALVE	MOV-CH-1350	ELEC DISCON AND RECON	DISCONNECTED RECONNECTED	304281118
05/23/83	CH	VALVE	MOV-1350	VALVE WILL NOT GIVE FULL OPEN	REPLACED LIMIT SWITCH	305152272
05/23/83	RP	SWITCH	TR-1-412	SWITCH WILL NOT WORK	CORRECTED WIRING	305202144
05/23/83	SI	SWITCH	LS-SI-100A2	LO LEV ALARM	ADJUST LIMIT TEST SAT	305220853
05/24/83	CC	ANNUN	K-C-7	ALRM IN + OUT CONTINUOUS	NO PROBLEM FOUND	305180932
05/24/83	CC	ANNUN	K-C-7	ALARM IN AND OUT CONTIN	ALARM CLEAR AND CK OPER	305180933
05/24/83	WT	MOTOR	1-WT-P-1A	BREAKER WILL NOT CLOSE	REPACKED SOLDER POT	305230304
05/24/83	RP	RELAY	LC-485-AXB	REPLACE RELAY	REPLACED RELAY WITH CAT 1 REL	305240910
05/25/83	CC	VALVE	TV-CC-103A	ELECT RECONN VALVE	RECONNECT NOT NECESSARY	303280821
05/25/83	VS	BREAKER	1-VS-F-1A	PERFORM PMS	PERFORMED PMS	304101430
05/25/83	VS	BREAKER	1-VS-F-1B	PERFORM PMS	PERFORMED PMS	304101431
05/25/83	SS	SWITCH	TV-SS-106B	VLV IS SHUT	VALVED CYCLED	305211259
05/27/83	PG	MOV	MOV-PG-107A	PERFORM PMS	PERFORMED PMS PG EC1	305270800

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE

MAY, 1983

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

MAY, 1983

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT: 1

DEPT: INST

DATE	DEPT	SYS	COMP	MARKNO	SUMMARY	WORKPERF	HR
05/01/83	CV	INSTR	HCV-CV-100		AIR LINE BROKEN	REPAIRED AIR LINE	304260153
05/02/83	RI	MONITOR	LPM1		CHANNEL2 CAUSES HI ALARM	ELIMINATED STATIC BY	302101640
05/02/83	CH	CONTROLL	FL-113A		PC 113A FAILED	REPLACED CONTROLLER	304192219
05/02/83	CS	INSTR	LT-CS-101		RESET ALARM	RESET ALARM	304301111
05/02/83	MS	INSTR	F-1-405		TRUCBLE SHOOT NOISE PROBLEM	REPLA NOISY COMPARATOR	305020909
05/02/83	RM	SETPOINT	RM-160		EVALUATE SETPOINT - ALARM	PERFORMED CAL RM 004	305020913
05/04/83	RC	RECORDER	TR-1-413		INVESTIGATE CAUSE	PT SENT TO ENG	305040956
05/04/83	CH	PIPING	N/A		SWAGLOCK FITTING DOWNSTREAM	INSTALLED NEW SWAGLOCK	305041203
05/04/83	RC	ISOLATOR	FM-1-497A		REPLACE ISOL	REPLACED ISOLATOR AND	305051626
05/05/83	EM	RECORD	RR-100		REPLACE CHART DRIVE MOTOR	REPLACED CHART DRIVE MOTOR	305050100
05/07/83	IA	COUPL	1-IA-C-4A		CONTR WILL NOT LOAD	FOUND VALVE CLOSE	305051321
05/07/83	CV	MONITOR	RI-1302		MONITOR FAILED	REPLACED CPU RD	305071303
05/08/83	FC	GAUGE	PI-FC-105		REPL BROKEN GAUGE	REPLACED GAUGE	305041454
05/08/83	RM	INSTR	RM-159		FLOW FAULT LOCKED IN	ADJUSTED PRESSURE	305080558
05/09/83	PW	INSTR	PI-1-477		METER READS HIGH	OPENED EQUALIZING VALVE	305090512
05/11/83	RM	MONITOR	RI-RMS-151		METER SPIKING HI	FOUND TRASH AROUND MONITOR	304021132
05/11/83	PW	GAUGE	PI-PW-156A		CHECK CALIBRATION	REPLACED GAUGE WITH	305042040
05/11/83	VG	MONIT	RI-VG-109/110		LOW FLOW 3.3	FOUND FLOW ERRATIC	305071356
05/11/83	RC	INSTR	ROBO		MISSING CONNECTORS	INSTALLED CONNECTORS	305090428
05/11/83	FC	TUBING	PDI-FC-101		TIGHTEN OR REPLACE FITTINGS	CLEANED AND LIGHTENED FITTINGS	305091320
05/11/83	FC	FITTING	N/A		TIGTEN OR REPLACE FITTING	CLEANED AND TIGHTENED FITTING	305091321
05/13/83	SI	INSTR	PI-1942		RECALIBRATE GAUGE	REPLACED WORN OUT GAUGE	305122300
05/14/83	RC	INSTR	PCV-1455C		INDICATOR FLASHING	PERFORMED IMP-C-M1-49	305120839
05/15/83	CS	VALVE	N/A		VENT VALVE	INSTALLED VALVE HANDLE	305032308
05/16/83	PW	TRANSMIT	PT-1-496		CHECK TRANSMITTER	REPLACED OSCILLATOR	305091504
05/16/83	RC	RECORDER	TR-1-413		DOES NOT TRACK WITH CHANNELS	CALIBRATED RECORDER OP SAT	305130850
05/16/83	CC	GAUGE	N/A		DISC PRESS GAUGE NEED CALIB	INSTALLED NEW GAUGE	305150757
05/16/83	CH	PIPING	FCV-113A		AIRLINE LEAK	REPLACED AIRLINE	305160600
05/17/83	RC	CABINET	1AC		REPAIR ROD CONTROL CABINETS	IMP-C-EPCR-46 REPLACE BAD CARDS	305130901
05/18/83	RM	SHP RIG	N/A		INSTALL TUBING FOR HP	FABRICATED AND INSTALL	305111030
05/18/83	CC	INSTR	PI-CC-105A		PRESSURE GAUGE NEEDS CAL	REPLACED GAUGE	305152030
05/18/83	CH	GAUGE	PI-1153		GAUGE NEEDS CALIB	REPLACED GAUGE	305170530
05/19/83	CS	INDIC	LI-CS-100C		READS LOW	ADJUSTED ISOLATOR AND	305110900
05/19/83	MS	INSTR	PI-1-468		INDICATOR READS LOW	PROBLEM CLEARED AND	305121247
05/19/83	MS	INSTR	PI-1-466		REPAIR AS NECESSARY	REPLACED AND CALIBRATED	305121243
05/20/83	RM	MONITOR	RI-VG-109		FLOW FAULT LITE IS IN	PROBLEM NOT EXISTING	305171472
05/23/83	CH	GAGE	FIC-1157		GAGE BROKEN REPLACE	REPLACED GAUGE	305131512
05/25/83	CH	INSTR	PT-1155A		CHECK CALIB	PERFORMED CALIBRATION	305210223
05/25/83	CH	INSTR	PT-1155B		CHECK CALIBRATION	PERFORMED CALIBRATION	305210224
05/26/83	PR	COMPAR	TC-1-422R		FAILED TO TRIP	REPLACED AND CALIBRATED	305101735
05/26/83	RC	INDICAT	PI-1-426		CHANNEL ERRATIC LO FLW	VENTED AIR FROM	305120710
05/26/83	PR	MODULE	PM-1-494D		FUSE HOLDER BROKE	TIGHTEN FUSE HOLDER	305150810

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

MAY, 1983

NONE DURING THIS REPORTING PERIOD.

HEALTH PHYSICS

MAY, 1983

There was no single release of radioactivity or radiation exposure specifically associated with an outage that accounted for more than 10% of the allowable annual values in 10CFR20.

PROCEDURE DEVIATIONS REVIEWED BY STATION NUCLEAR
SAFETY AND OPERATING COMMITTEE AFTER TIME LIMITS
SPECIFIED IN TECHNICAL SPECIFICATIONS

JUNE, 1983

<u>PROCEDURE NO.</u>	<u>UNIT</u>	<u>TITLE</u>	<u>DATE DEVIATED</u>	<u>DATE SNSOC REVIEWED</u>
OP 5.1A	1	Valve Check-Off Reactor Coolant System	04-18-83	05-05-83
EMP-C-PE-74	1	Disconnecting & Connecting 480V Conax Electrical Penetrations Penetration No. 16A-10	04-19-83	05-12-83
EMP-C-SOV-92	1	Diode Replacement on Safety Related Valcor Solenoid Valves-SOV No. TV-SS-103A	04-09-83	05-12-83
CAL-RM-189	1	Containment High Range Radiation Monitor Calibration	04-22-83	05-12-83
PT-8.5A	1	Consequence Limiting Safeguards Functional Test Hi-Hi System	05-01-83	05-17-83
PT-16.10F	1	System Pressure Test for Gaseous Waste Disposal System	05-03-83	05-17-83
PT-18.15	1	Degraded Protection Function "H" Train	04-27-83	05-17-83
PT-18.16	1	Degraded Protection Functional Test "J" Train	04-26-83	05-17-83
PT-18.2A	1	Safety Injection System Test "H" Train	04-27-83	05-19-83
PT-18.2B	1	Safety Injection System Test "J" Train	04-26-83	05-19-83
MMP-C-HSS-019	1	Removal/Rebuilding/ Reinstallation 12" B-P Suppressors	04-28-83	05-19-83

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

June 15, 1983

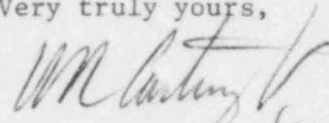
Mr. N. M. Haller, Director
Office of Management and Program Analysis
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 355
NO/WDC:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. Haller:

Enclosed is the Monthly Operating Report for Surry Power Station Unit Nos. 1 and 2 for the month of May, 1983.

Very truly yours,


W. L. Stewart

Enclosure (3 copies)

cc: Mr. F. C. DeYoung, Director (12 copies)
Office of Inspection and Enforcement

Mr. James P. O'Reilly (1 copy)
Regional Administrator
Region II

Mr. D. J. Burke
NRC Resident Inspector
Surry Power Station

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