

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 84-07

APPROVED BY:

RT Sand
STATION MANAGER

B408220171 040731
PDR ADOCK 05000280
R PDR

IE24
VI

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OPERATING DATA REPORT

DOCKET NO. 50-280
 DATE 02 AUG 84
 COMPLETED BY V. H. Jones
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 1
 2. REPORTING PERIOD 7/01/84 TO 7/31/84
 3. LICENSED THERMAL POWER (MWT) 2441 |-----|
 4. NAMEPLATE RATING (GROSS MWE) 847.5 |NOTES |
 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 N/A
 (ITEMS 3 THROUGH 7) SINCE LAST
 REPORT, GIVE REASONS
 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY N/A
 (NET MWE)
 10. REASONS FOR RESTRICTIONS, IF ANY N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	744.0	5111.0	101759.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	556.1	3796.8	62889.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	9.3	3774.5
14. HOURS GENERATOR ON-LINE	553.0	3733.8	61601.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1032229.1	8416246.9	143342551.2
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	321605.0	2706160.0	46026003.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	300179.0	2562327.0	43640063.0
19. UNIT SERVICE FACTOR	74.3 %	73.1 %	60.5 %
20. UNIT AVAILABILITY FACTOR	74.3 %	73.1 %	64.2 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	52.1 %	54.7 %	55.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	51.2 %	63.6 %	54.4 %
23. UNIT FORCED OUTAGE RATE	0.0	7.2 %	20.8 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	Refueling 9-28-84 75 Days		

25. IF SHUT DOWN AT END OF REPORT PERIOD,
 ESTIMATE DATE OF STARTUP

26. UNITS IN TEST STATUS FORECAST ACHIEVED
 (PRIOR TO COMMERCIAL OPERATION)

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

OPERATING DATA REPORT

DOCKET NO. 50-281
 DATE 02 AUG 84
 COMPLETED BY V. H. Jones
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 2
 2. REPORTING PERIOD 7/01/84 TO 7/31/84
 3. LICENSED THERMAL POWER (MWT) 2441 |-----|
 4. NAMEPLATE RATING (GROSS MWE) 847.5 |NOTES |
 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 N/A
 (ITEMS 3 THROUGH 7) SINCE LAST
 REPORT, GIVE REASONS

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY N/A
 (NET MWE)
 10. REASONS FOR RESTRICTIONS, IF ANY N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	744.0	5111.0	98639.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	730.9	4358.3	62929.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	328.1
14. HOURS GENERATOR ON-LINE	725.7	4304.6	61880.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1734983.1	10149620.1	144865493.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	549485.0	3239005.0	47033864.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	520129.0	3068743.0	44575803.0
19. UNIT SERVICE FACTOR	97.5 %	84.2 %	62.7 %
20. UNIT AVAILABILITY FACTOR	97.5 %	84.2 %	62.7 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	90.2 %	77.5 %	58.3 %
22. UNIT CAPACITY FACTOR (USING DER NET)	88.7 %	76.2 %	57.4 %
23. UNIT FORCED OUTAGE RATE	2.5 %	15.8 %	14.2 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	FALL MAINTENANCE-11/13/84 10 DAYS		

25. IF SHUT DOWN AT END OF REPORT PERIOD,
 ESTIMATE DATE OF STARTUP
 26. UNITS IN TEST STATUS
 (PRIOR TO COMMERCIAL OPERATION)

FORECAST ACHIEVED

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH July, 84

DOCKET NO. 50-280
 UNIT NAME Surry 1
 DATE August 3, 1984
 COMPLETED BY V. H. Jones
 TELEPHONE 804-357-3184

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
84-8	07-21-84	S	191.0	B	1				Unit was shut down for scheduled snubber outage.

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

REPORT MONTH July, 1984

DOCKET NO. 50-281
 UNIT NAME Surry II
 DATE August 3, 1984
 COMPLETED BY V.H. Jones
 TELEPHONE 804-357-3184

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
84-19	07-18-84	F	18.3	A	1				Unit was shutdown to balance the #2 L.P. turbine due to excessive vibration. Three one pound balancing weights were added to the #2 L.P. turbine and the unit was returned to power. Turbine will be inspected during refueling outage for reason that caused initial vibrations.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refuelling
 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: July, 1984

<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						

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2

MONTH: July, 1984

<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 SURRY I
 DATE 8-1-84
 COMPLETED BY Vivian H. Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: JULY 84

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	568.9	17	562.1
2	572.5	18	556.5
3	570.5	19	559.8
4	571.8	20	552.6
5	571.0	21	7.3
6	570.6	22	0.0
7	572.8	23	0.0
8	571.0	24	0.0
9	570.8	25	0.0
10	573.4	26	0.0
11	572.5	27	0.0
12	568.6	28	0.0
13	569.7	29	296.2
14	567.0	30	421.5
15	560.6	31	435.0
16	564.7		

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 SURRY II
 DATE 8-1-84
 COMPLETED BY Vivian H. Jores

AVERAGE DAILY UNIT POWER LEVEL

MONTH: JULY 84

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	732.5	17	665.1
2	729.7	18	41.5
3	728.0	19	646.5
4	731.3	20	728.5
5	726.8	21	722.3
6	724.0	22	716.6
7	728.7	23	726.1
8	715.0	24	725.5
9	710.2	25	723.9
10	727.6	26	727.1
11	728.2	27	721.7
12	727.8	28	726.3
13	727.6	29	733.5
14	723.4	30	731.0
15	720.0	31	724.0
16	724.5		

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 EXPERIENCEMONTH/YEAR July, 1984

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

07-01-84	0000	This reporting period begins with the unit at 80% power (610 MW's) due to rod B-6 being stuck.
07-20-84	2145	Commenced plant shutdown at 150 MW/HR for scheduled snubber outage.
07-21-84	0133	Unit off the line.
	0230	Reactor shutdown.
	1812	RCS < 350°/450 psig.
07-22-84	0143	RCS < 200°F.
07-28-84	0040	RCS > 200°F.
	0607	RCS > 200°F.
	2226	Reactor critical.
07-29-84	0037	Unit on the line, increasing power at 3%/hr.
	0731	Holding at 50% power (320 MW's) for flux maps.
	1220	Commenced power increase.
	1937	Holding at 60% power (390 MW's) for flux maps.
	2120	Unit at 69% power (460 MW's) after main steam reheaters placed in service, holding power for "A" main feed pump bearing repair.
07-31-84	2400	This reporting period ends with the unit at 65% power (470 MW's), holding due to MFD pump 1-FW-P-1A out of service.

SUMMARY OF OPERATING EXPERIENCEMONTH/YEAR July, 1984

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

07-01-84	0000	This reporting period begins with the unit at 100% power (775 MW's).
07-08-84	0396	Commenced power reduction for load following at 150 MW's/HR.
	0453	Holding power at 84% (660 MW's).
	0710	Commenced power increase at 150 MW/HR.
	0800	Unit at 100% power (775 MW's).
07-09-84	0041	Commenced power reduction for load following at 150 MW's/HR.
	0143	Holding power at 84% (660 MW's/HR).
	0440	Commenced power increase at 150 MW's/HR.
	0990	Unit at 100% (775 MW's).
07-16-84	0847	Turbine bearing vibrations alarming, indicating a vibration problem with #2 L.P. Turbine.
07-17-84	1930	Commenced plant shutdown at 150 MW/HR to allow balancing #2 L.P. Turbine.
07-18-84	0149	Unit off the line.
	0221	Reactor shutdown.
	1525	Reactor critical.
	2005	Unit on the line.
	2054	Unit at 35% power (230 MW's), holding for chemistry.
	2234	Commenced power increase.
	2340	Holding at 60% power (420 MW's) for return of "B" main feed pump.
07-19-84	0500	Commenced power increase.
	0759	Unit at 100% power (770 MW's).
07-31-84	2400	This reporting period ends with the unit at 100% power (770 MW's).

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

July, 1984

NONE DURING THIS REPORTING PERIOD.

**FACILITY CHANGES REQUIRING
NRC APPROVAL**

July, 1984

NONE DURING THIS REPORTING PERIOD.

**FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL**

NONE DURING THIS REPORTING PERIOD.

**TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL**

July, 1984

NONE DURING THIS REPORTING PERIOD.

**TESTS AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL**

NONE DURING THIS REPORTING PERIOD.

OTHER CHANGES, TESTS AND EXPERIMENTS

July, 1984

NONE DURING THIS REPORTING PERIOD.

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
CHEMISTRY REPORT

July 19 84

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	1.89E+0	5.60E-2	9.20E-1	4.67E-1	4.62E-2	8.85E-2
Suspended Solids, ppm	0.0	0.0	0.0	0.0	0.0	0.0
Gross Tritium, $\mu\text{Ci/ml}$	7.65E-2	1.65E-2	4.72E-2	2.65E-1	2.45E-2	8.35E-2
Iodine ¹³¹ , $\mu\text{Ci/ml}$	(A) 2.45E-1	(A) 1.42E-2	(A) 4.53E-2	7.83E-4	3.19E-5	1.84E-4
I ¹³¹ /I ¹³³	0.47	0.19	0.35	0.77	0.08	0.19
Hydrogen, cc/kg	39.1	(A) 3.6	24.1	47.0	26.9	33.2
Lithium, ppm (B)	2.12	0.60	0.96	1.28	0.98	1.10
Boron-10, ppm*	224	34	84	130	87	97
Oxygen, (D.O.), ppm	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005	≤ 0.005
Chloride, ppm	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
pH @ 25°C	7.10	6.37	6.84	6.89	6.55	6.76

* Boron-10 = Total Boron x 0.196

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

Phosphate	-	Boron	112
Sulfate	-	Chromate	0.0
50% NaOH	-	Chlorine	-

REMARKS: (A) Unit 1 off line from 7-21 to 7-29 (B) Lithium Additions Unit 1: 162 gms. 7-9; 2987 gms. 7-21; 840 gms. 7-27; 470 gms. 7-29; Cation bed in service on 7-12 Unit 1. Unit 2: 388 gms. 7-17; 180 gms. 7-19; Cation bed in service on 7-17, 7-25, 7-28, 7-29 Unit 2. (C) The levels of these chemicals should create no adverse environmental impact.

**DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED**

July, 1984

NONE DURING THIS REPORTING PERIOD.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE PSAR

July, 1984

NONE DURING THIS REPORTING PERIOD.

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

July, 1984

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

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

DEPT: MECH

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERY	MR
07/02/84	CS	SWITCH	1-CS-V-124	LEAK ON PIPE NIPPLE	REMOVED CLEANED AND INSTALLED	406160535
07/02/84	CS	VALVE	1-CS-123	LEAK ON PIPE NIPPLE	REMOVED CLEANED AND INSTALLED NIPPLE	406160535
07/02/84	MS	BOTTLE	NA	REPLACE BOTTLE N2 PRESSURE LOW	REPLACED N2 BOTTLE	406291955
07/03/84	CH	PUMP	1-CH-P-1B	FIX OIL LEAKS ON ELBOW	TIGHTENED FITTINGS	407010855
07/03/84	CH	VALVE	1-CH-MOV-1867C	TIGHTEN PACKING GLAND	ADJUSTED PACKING	407031806
07/03/84	CH	VALVE	1-CH-MOV-1867D	TIGHTEN PACKING GLAND	ADJUSTED PACKING	407031805
07/03/84	Ec	DIESEL	N/A	REPLACED SWAGLOK	REPLACED SWAGLOK NUT ON VENT LINE	405100806
07/05/84	SI	VALVE	1-SI-MOV-1867A	REPACK VALVE	ADJUSTED PACKING	407032200
07/05/84	FP	PUMP	1-FP-P-2	SEAL LEAKING	ADJUSTED PACKING	406301050
07/07/84	CH	VALVE	1-CH-728	RUSTY VALVE STEM/PACK GLAND	ADJUSTED PACKING	407050511
07/07/84	SI	VALVE	1-SI-161	ACID BUILD-UP ON VALVE/CAP LEAKS	ADJUSTED PACKING	407031526
07/09/84	SI	GAGE	1-SI-PI-100	LEAK/ACID BUILD-UP	DISASSEMBLED AND CLEAN	407040934
07/11/84	CH	VALVE	1-CH-VALVE-305	PACKING LEAK/ACID BUILD-UP	ADJUSTED PACKING	407031510
07/11/84	FP	INDICAT	NA	LEVEL INDICATOR SEAL LEAKING	TIGHTENED SEAL	406301700
07/11/84	IA	VALVE	1-IA-TV-100	PACKING LEAK ON VALVE	ADJUSTED PACKING	407020835
07/11/84	CC	VALVE	1-CC-102A	REPACK OR REPAIR VALVE	ADJUSTED GLAND	406211140
07/11/84	CH	STRAINER	1-CH-TK-5	FABRICATE BASKET	FABRICATED BASKET STRAINER	406090745
07/12/84	HSS	SNUBBER	NA	DISSAMBLE SNUBBER AND INSPECT	INSPECTED AND DISCARDED	405170034
07/12/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	INSPECTED AND DISCARDED	405170033
07/12/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	INSPECTED AND DISCARDED	405170032
07/12/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	INSPECTED AND DISCARDED	405170031
07/12/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	INSPECTED AND DISCARDED	405170030
07/12/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	INSPECTED AND DISCARDED	406181201
07/13/84	MS	SOV	1-MS-102A+B	REPLACE BOTTLE	REMOVED EMPTY BOTTLE	406181201
07/13/84	SI	VALVE	1-SI-4	BAD PACKING LEAK/ADJUST	DJ PACKING 2 FULL FLATS	407051105
07/16/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170023
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170022
07/16/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170021
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170037
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170036
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170004
07/16/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	DISASSEMBLED/INSPECTED SNUBBER	405170020
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170019
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170017
07/16/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORE DOWN SNUBBER FOR INSPECTION	405170016
07/17/84	GW	LINE	1-GW	MOVED BOLTED LING	MOVED BOLTED LINE	407130926
07/20/84	GP	PIPE	3/4 GW-61+152	HOLE IN PIPE	CUT OUT AND REPLACED DEFECTIVE	407130919
07/21/84	Sh	PUMP	1-SW-P-10A	PACKING LEAK ON PUMP	REPLACED SEAL	406102227
07/22/84	CS	FLANGE	1-CS--1B	SUCTION FLANGE LEAK	REPLACED GASKET	406041458
07/23/84	HSS	SNUBBER	NA	DISSAMBLE AND INSPECT SNUBBER	TORN DOWN FOR INSPECTION	405170015
07/23/84	SW	PUMP	1-SW-P-1B	INSUFFICIENT DISCHARGE FLOW	CLEANED INTAKE SCREEN ON PUMP	407191317

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

DEPT: MECH

RETSERVD	SYS COMP	MARKNO	SUMMARY	WKPFR	MR	
07/24/84	HSS	SNUBBER	1-SHP-HSS-30	FILL RESERVOIR TO 95 PERCENT FULL	FILLED RESERVOIR	407211039
07/24/84	HSS	SNUBBER	1-SHP-HSS-29	TIGHTEN FITTINGS	TIGHTEN UP FITTINGS	407211037
07/24/84	HSS	SNUBBER	1-SHP-HSS-60B	TIGHTEN MOUNTING BOLTS	TIGHTEN MOUNTING BOLT	407211036
07/24/84	HSS	SNUBBER	1-SHP-HSS-59B	TIGHTEN MOUNTING BOLTS	TIGHTEN MOUNTING BOLT	407211035
07/24/84	HSS	SNUBBER	1-SHP-HSS-56A	TIGHTEN REAR BRACKET SCREW	TIGHTEN REAR BRACKET SCREW	407211034
07/24/84	HSS	SNUBBER	1-SHP-HSS-14B	FILL RESERVOIR	FILLED RESERVOIR	407201328
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN AND INSPECT SNUBBER	405170024
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170013
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170012
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTION	405170028
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTION	405170027
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170026
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTION	405170025
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN AND INSPECT SNUBBER	405170035
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTION	405170029
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170007
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170006
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTIONS	405170005
07/24/84	HSS	SNUBBER	NA	DISASSEMBLE AND INSPECT SNUBBER	TEAR DOWN FOR INSPECTION	407070800
07/24/84	SI	VALVE	1-SI-MOV-1867A	VALVE NEEDS TO BE REPACKED	REPACKED VALVE	406050834
07/24/84	RC	VALVE	1-RC--102	PACKING LEAK	REPACKED VALVE	406160636
07/25/84	CS	FLANGE	1-CS-P-1A	REPAIR DRIP LEAK ON FLANGE	REPLACED GASKET	407250407
07/25/84	SI	INLET	1-SI-MOV-1867B	WATER LEAKING FROM LANTERN RING	REPACKED VLV	407250711
07/26/84	CS	PUMP	1-CS-P-1A	DISCHARGE FLANGE LEAKS	RETORQUED FLANGED BOLTS	407250710
07/26/84	CS	PUMP	1-CS-P-1A	SUCTION FLANGE LEAKS	CHECKED SUCTION FLANGE	406041509
07/26/84	MS	VALVE	1-MS--107	NEEDS REPACKED	REPACKED VALVE	406081922
07/26/84	BD	ELEMENT	1-BD-FE-102B	SLIGHT DRIP LEAK UNDER LAGGING	REPLACED GASKETS	406180439
07/26/84	SI	VALVE	1-SI--337	VALVE HAS PACKING LEAK	TIGHTEN GLAND	407210418
07/26/84	RC	VALVE	1-RC--45	REPACK VALVE	TIGHTENED GLAND	407210416
07/26/84	RC	VALVE	1-RC-MOV-1595	ADJUST PACKING	GLANDS NEED ADJUSTED	407210443
07/26/84	RC	VALVE	1-RC--88	VALVE HAS SMALL PACKING LEAK	REPACKED VALVE	407210442
07/26/84	CH	VALVE	1-CH-RV-1203	INLET FLANGE IS LEAKING	INSTALLED NEW VALVE	407210441
07/26/84	RC	COOP	1-RC--69	PACKING ADJUSTMENT REQUIRED	ADJUSTED PACKING	407192001
07/26/84	FW	VALVE	1-FW-HCV-155A	REPACK VALVE	REPACKED VALVE	407161400
07/27/84	FW	PUMP	1-FW-P-3B	COUP BOLTS/NUTS CROSS THREADED	REPAIRED COUPLING GUARD AND	407130949
07/27/84	CC	VALVE	1-CC--1	CHECK VALVE LEAKS THROUGH	DISASSEMBLED CLEANED BLUED	407230439
07/28/84	BD	VALVE	1-BD--21	PACKING LEAK	REPACKED VALVE	407250724
07/29/84	RH	VALVE	1-RH-MOV-1700	ADJUST PACKING	TIGHTENED GLAND	407250903
07/30/84	HSS	SNUBBER	1-SHP-HSS-32	FIX BUSHING	FIX BUSHING ON SNUBBER	407251100
07/30/84	SI	SNUBBER	1-SI-HSS-101	NEEDS LOCK NUT ON MOUNTING	PLACED JAM NUT ON BOLT	407270922
07/30/84	CH	FLANGE	1-CH-MISC-NA	FLANGE LEAK/TIGHTEN ONLY	TIGHTENED FLANGE	407251445
07/30/84	RH	SNUBBER	1-RH-HSS-21	FILL RESERVOIR	FILL RESERVOIR	407241158
07/30/84	SI	SNUBBER	1-SI-HSS-22B	TIGHTEN TUBE FITTINGS	TIGHTENED FITTINGS	407241157
07/30/84	SI	SNUBBER	1-SI-HSS-20	TIGHTEN TUBE FITTING	TIGHTENED FITTINGS	407241149
07/30/84	RC	VALVE	1-RC--55	REPACK VALVE	REPACKED VALVE	407240408
07/30/84	HSS	SNUBBER	1-SHP-HSS-6B	FILL RESERVOIR	FILLED SNUBBER	

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

DEPT: MECH

RETSERVDT	SYS	COMP	MARKNO	SUMMARY	WKPERF	MR
07/30/84	RC	SNUBBER	1-RC-HSS-158	FILL COMMON RESERVOIR	FILLED RESERVOIR	407241242
07/30/84	RC	SNUBBER	1-RC-HSS-154	FILL COMMON RESERVOIR	FILLED RESERVOIR	407241241
07/30/84	HSS	SNUBBER	1-RC-HSS-122	FITTINGS TO SNUBBER LEAK	TIGHTENED FITTINGS	407231630
07/30/84	RC	SNUBBER	1-RC-HSS-123	FITTING AND SNUBBER LEAK	TIGHTENED FITTINGS	407231627
07/30/84	SI	SNUBBER	1-SI-HSS-23	TIGHTEN FITTINGS	TIGHTENED FITTINGS	407241159
07/30/84	RH	SNUBBER	1-RH-HSS-105	LEAK ON END CAPS OF RESERVOIR	TIGHTENED FITTINGS	407241246
07/30/84	RC	SNUBBER	1-RC-HSS-125	FITTINGS AND SNUBBER LEAK	TIGHTENED FITTING	407231626
07/30/84	HSS	SNUBBER	1-WAP-HSS-142	NEED ADDITIONAL WASHER ON MOUNTING	ADDED WASHER TO ROD EYE	407231553
07/30/84	HSS	SNUBBER	1-WFP-HSS-9	FILL RESERVOIR/REPLACE WASHER	FILLED RESERVOIR	407231552
07/30/84	RC	SNUBBER	1-RC-HSS-124	FITTINGS TO SNUBBER LEAK	TIGHTEN FITTING	407231628
07/30/84	HSS	SNUBBER	1-WAP-HSS-143A	FILL RESERVOIR	FILLED RESERVOIR	407231551
07/30/84	HSS	SNUBBER	1-PS-MSS-2A	REPLACE WIRE WITH COTTER PIN	REPLACED COTTER PIN	407230330
07/30/84	RC	SNUBBER	1-RC-HSS-146	FILL COMMON RESERV/TIGHTEN FITTINGS	FILLED RESERVOIR	407230307
07/30/84	RC	SNUBBER	1-RC-HSS-138	FILL COMMON RESERV/TIGHTEN FITTINGS	TIGHTENED FITTINGS/FILLED RESERVOIR	407230305
07/30/84	RC	SNUBBER	1-RC-HSS-117	FILL SNUBBER RESERVOIR	FILLED RESERVOIR	407240224
07/30/84	RC	SNUBBER	1-RC-HSS-142	FILL COMMON RESERVOIR	FILLED RESERVOIR	407231347
07/30/84	HSS	SNUBBER	1-SHP-HSS-32	SNUBBER PIN BUSHING LOOSE	ADJUSTED BUSHING	407230020
07/30/84	FW	VALVE	1-FW--130	VALVE LEAKS THRU WHEN SHUT	REPLACED PIPE CAP	407222111
07/30/84	CH	VALVE	1-CH--314	VALVE HAS SMALL PACKING LEAK	ADJUSTED PACKING AND CLEANED	407210444
07/30/84	RC	VALVE	1-RC-HCV-1556A	SMALL PACKING LEAK	ADJUSTED PACKING AND CLEANED	407210819
07/30/84	RC	VALVE	1-RC-MOV-1593	ADJUST PACKING	ADJUSTED PACKING	407210417
07/30/84	EPCR	MG SET	1-EPL- MISC-2	UNCOUPLE/REMOVE FLYWHEEL/ALIGN	COUPLED AND ALIGNED MOTOR	407201054
07/30/84	CC	SNUBBER	1-CC-HSS-332A	REPLACE SNUBBER	REMOVED OLD SNUBBER	407171432
07/30/84	RC	SNUBBER	1-RC-HSS-162	READ THE RESERV. LVL/REPORT TO ENGR	RESERVOIR LEVEL AT 100 PERCENT	407191022
07/30/84	RC	SNUBBER	1-RC-HSS-166	READ THE COMMON FLUID/RESERVOIR LVL	RESERVOIR LEVEL AT 100 PERCENT	407191021
07/30/84	RC	SNUBBER	1-RC-HSS-170	READ THE FULD RESERVOIR LEVEL	RESERVOIR LEVEL AT 100 PERCENT	407191020
07/30/84	RC	SNUBBER	1-RC-HSS-150	FILL COMMON RESERVOIR	FILLED RESERVOIR	407241240
07/30/84	HSS	SNUBBER	1-WGC-HSS-02	FILL RESERVOIR	FILLED RESERVOIR	400721240
07/30/84	HSS	SNUBBER	1-WGC-HSS-03	FILL RESERVOIR	FILLED RESERVOIR	407241248
07/30/84	HSS	SNUBBER	1-WAP-HSS-141B	FILL RESERVOIR	FILLED RESERVOIR	407231550
07/30/84	HSS	SNUBBER	1-SHP-HSS-7	TIGHTEN FITTINGS AND FILL RESERV	TIGHTENED FITTINGS /FILLED RESERVOIR	407231605
07/30/84	SI	SNUBBER	1-SI-HSS-25	TIGHTEN FITTING ON TUBE	TIGHTENED FITTINGS	407241207
07/30/84	SI	SNUBBER	1-SI-HSS-21	FILL HYDRAULIC FLUID RESERVOIR	FILLED RESERVOIR	407241209
07/30/84	HSS	SNUBBER	1-WFP-HSS-2	FILL RESERVOIR	FILLED RESERVOIR	407240404
07/30/84	HSS	SNUBBER	1-WFP-HSS-1	FILL RESERVOIR	UNABLE TO ADD ANY FLUID	407240402
07/30/84	HSS	SNUBBER	1-WFP-HSS-15	FILL SNUBBER RESERVOIR	FILLED RESERVOIR	407240228
07/30/84	HSS	SNUBBER	1-SHP-HSS-3B	FILL SNUBBER RESERVOIR	FILLED RESERVOIR	407240227
07/30/84	HSS	SNUBBER	1-SHP-HSS-5B	FILL SNUBBER	FILLED SNUBBER	407240226
07/30/84	HSS	SNUBBER	1-SHP-HSS-9	FILL REMOTE RESERVOIR	FILLED RESERVOIR	407240225

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTENANCE

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
 UNIT: 2

DEPT: MECH

RETSERVDT	SYS COMP	MARKNO	SUMMARY	WKPERP	MR
07/17/84	CS VALVE	2-CS-66	VALVE LEAKS BY/REPAIR OR REPLACE	PLACED PIPE CAP ON DRAIN	407120833
07/19/84	SW PIPE	2 SW 176-21B	NO BRACE/MISSING PIPE SUPPORT	REPLACED BRACE	407122300
					206011405
					306211120

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

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

DEPT: ELEC

RETSERVDT	SYS COMP	MARKNO	SUMMARY	WKPERP	MR
07/02/84	CW VALVE	1-CW-MOV-100D	VALVES TORQUES OUT INVESTIGATE	VALVE CLOSED SAT IN BOTH	406262317
07/11/84	RP INDICAT	1-RP-N9	CHECK COIL FOR SHUTDOWN ROD N-09	TOOK RESISTANCE READINGS ON	406221335
07/12/84	VS CHILLER	1-VS-E-4A	REPAIR CABLES FOR COMPRESSOR	ADD HEAT SHRINK TO ENDS OF	407191045
07/14/84	SI VALVE	1-SI-MOV-1869B	REPLCE 3 MISSING BOLTS/GASKET	REPLACED MISSING BOLT	407130745
07/20/84	SI VALVE	1-SI-MOV-1842	REPAIR/REPLACE FLEX	TIGHTENED FLEX CONNECTOR	407130746
07/21/84	SW	1-SW-P-10A	DISCON/RECON MOTOR FOR MECH	DISCONNECTED/RECONNECTED MOTOR	407210907
07/24/84	FW VALVE	1-FW-MOV-151D	REPLACE 1 INCH 45 DEGREE CONNECTOR	REPAIRED FLEX TO LIMIT SWITCH	406200605
07/25/84	BD VALVE	1-BD-TV-100C	WRONG INDICATION	ADJUST LIMITS CYCLE/SAT	407210950
07/25/84	CH TANK	1-CH-TK-5	DISCAND RECON	DISCONNECT AND RECONNECT/COMPLETE	407221000
07/26/84	RP BREAKER	1-RP-BKR-A/B	REPLACE TIMING CIRCUITRY	REPLACED LEADS ON RTA AND	407201231
07/26/84	RS PUMP	1-RS-P-1A	A ROTATIO N LIGHT IS ON/PMP OFF	RESOLDERED BROKEN WIRE	406162336
07/26/84	RC VIBRATIO	1-RC--VIB/A	MONITOR SPIKED THEN RETURNED NORM	REPLACED PROXIMITOR MODULE AND	407051054
07/26/84	RM MONITOR	1-RM-RI-128	NO GREEN LIGHT	PROBLEM HAS CLEARED ITSELF AND	407080709
07/26/84	FW BREAKER	1-FW-MOV-151A	INCREASE OVERLOADS TO SIZE 1024	REPLACED OVERLOADS WITH CORRECT SIZE	407251001
07/26/84	FW BREAKER	1-FW-MOV-151D	REPLACE OVERLOADS WITH SIZE 1024	REPLACED OVERLOADS WITH CORRECT	407251004
07/26/84	FW BREAKER	1-FW-MOV-151B	REPLACE OVERLOADS WITH SIZE 1024	REPLACED OVERLOADS WITH CORRECT SIZE	407251002
07/26/84	FW BREAKER	1-FW-MOV-151P	REPLACE OVERLOADS WITH SIZE 1024	REPLACED OVERLOADS WITH CORRECT SIZE	407251006
07/26/84	FW BREAKER	1-FW-MOV-151E	REPLACE OVERLOADS WITH SIZE 1024	REPLACED OVERLOADS WITH CORRECT SIZE	407251005
07/26/84	RC VALVE	1-RC-MOV-1535	VALVE WILL NOT OPEN	INSTALLED NEW TORQUE AND TESTED SAT	407261154
07/27/84	FW BREAKER	1-FW-BKR-151D	PERFORM TEP-5	PERFORMED TEP-5 BREAKER	407271235

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE

July, 1984

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

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

DEPT: INST

RETSERVD	SYS	COMP	MARKNO	SUMMARY	WKPERF	MR
07/02/84	RC	ROD	1-RC-1RPI B-6	ROD STUCK AT 30 STEPS	B6 MECH STUCK AND CANNOT DISLODGED	406141141
07/02/84	MS	VALVE	1-MS-PCV-102B	REMOVE/INSTALL INSTRUMENTATION	REMOVED AND REINSTALLED	406080700
07/02/84	MS	VALVE	1-MS-PCV-102A	REMOVE/INSTALL INSTRUMENTATION	REMOVED AND INSTALLED	406080702
07/02/84	MM	RECORDER	NA	DOES NOT PRINT ON STRIP REC	REPLACED PRINT HEAD AND	406250538
07/02/84	GW	MONITOR	1-GW-RI-130-2	MONITOR FAILED	RESET FAILURE CODE	406230653
07/02/84	RP	INDICAT	1-RP1-N-9	INDICATION DRIFTED TO 30 STEPS	PROBLEM IN CONNECTOR IN	406230633
07/02/84	CH	VMS	NA	READJUST ZERO SETTING	READJUSTED ZERO	406281540
07/05/84	RM	MONITOR	1-RM-RI-160	FLOW FAULT LOCKED IN	REPAIRED LOOSE FITTING ON	407020850
07/05/84	CH	INDICAT	1-CH-LI-161	4 TO 5 PERCENT DEVIATION	REPLACED RESTRICTOR ASSY AND	406260428
07/05/84	VG	MONITOR	RM-VG-131	CHECK MONITOR READOUTS	REPLACED CHART PROM	401031411
07/06/84	RM	MONITOR	1-RI-RMS-127	TROUBLE ALARM LOCKED IN	FOUND NO PROBLEM	407020652
07/06/84	RM	MONITOR	1-RM-RG-131-2	WARNING ALARM NOT SET PROPERLY	RESET ALERT SETPOINT	407050537
07/06/84	GW	ANALYZER	1-GW-H2A-104	PERFORM CAL-175	PERFORMED EWRF 153-1-2/CAL 175	406121100
07/10/84	RC	TRANSMIT	1-RC-FT-1-435	VENT TRANSMITTER	EQUALIZED AND VENTED TRANSMITTER	406291403
07/13/84	FP	PUMP	1-FP-P-2	CALIBRATE TEMPERATURE GAGE	CHECKED CAL ON GAGE OPS SAT	406301121
07/13/84	RC	PRESSURE	1-RC-PT-455	CHANNEL READING HIGH/CALIBRATE	CHECKED ISOLATOR AND ADJUSTED	407070520
07/13/84	NI	RANGE	1-NI-SR-32	RECEIVING SPIKES ON INDIC	REPLACED SCR AND CAPACITOR IN THE	407041425
07/13/84	RM	INK PADS	1-RM-RR-100	REPLACE INK PADS	REPLACED INK PADS	407111138
07/13/84	RM	RECORDER	1-RM-RR-150	DOESN'T PRINT PROPER NUMBERS	CLEANED CONTACTS	407111112
07/19/84	RP	BANK	1-RP-IRPI-N-9	IRPI ERRATIC	CHECKED OPERATION/CHECKED SAT	407080400
07/19/84	SI	INDICATO	1-SI-PT-931	RECALIBRATE	CHECKED INDICATOR/SAT	407120052
07/19/84	SI	INDICATO	1-SI-PT-929	RECALIBRATE	CHECKED INDICATOR/SAT	407120051
07/19/84	CC	GAUGE	1-CC-PI-139A	DISCHARGE PRESS GAUGE PEGGED HI	REPLACED GAGE	407020755
07/19/84	RC	MONITOR	1-RC-MON-B	MONITOR CONTINUOUSLY BLOWS FUSES	REPLACED SHORTED FAN AND BLOWN	407160710
07/20/84	CS	CHANNEL	1-CS-LI-100D	CALIBRATE CHIV RWST CHANNEL	ADJUSTED INDICATOR PER PT2.19A	407180715
07/23/84	RM	MONITOR	1-RM-M-159	ALARM SETPOINT LESS THAN INFO TAG	CHECKED AND ADJUSTED SETPOINTS	407200647
07/23/84	RC	INDICATO	1-RC-VMS-101B	VALVE FLASHES WITH VALVE CLOSED	ADJUSTED SENSITIVITY	407190255
07/24/84	CH	GAUGE	1-CH--	GAGE READS HIGH	CALIBRATED GAUGE	405312130
07/24/84	IC	DETECTOR	1-IC--3	REPLACE DETECTOR	REPLACED DETECTOR	406291416
07/25/84	RM	MONITOR	1-RM-MISC-1110	RED MONITOR REC NOT LINIER	REPLACED READOUT MODULE	407061400
07/25/84	SI	VALVE	1-SI-HCV-1898	SMALL AIR LEAK AT SWEDGELOCK	FOUND NO AIR LEAKS	406092109
07/25/84	NI	PANEL	1-NI-MISC-	UPPER ION CHAMBER DEV. ALARMS	RESCALED WI'S	407101741
07/26/84	RP	COMPARAT	1-RP-TC-432D	COMPARATOR WILL NOT TRIP	REPLACED COMPARATOR	407181429
07/26/84	RI	MONITOR	1-RI-MISC-151	MONITOR IN CNTL RM SPIKING HIGH RAD	REPLACED DETECTOR	407131618
07/26/84	CH	CIRCUIT	1-CH-I-C	AUTO BATH'S WON'T REMAIN IN FAST	MONITORED OVER A 24HR PERIOD	407200556
07/26/84	RC	VALVE	1-RC-PCV-1455A	AIR LEAK REG INLET	TIGHTENED INLET AND OUTLET	406092020
07/26/84	RC	MODULE	11-RC-LC-475	MODULE OUTPUT ERRATIC	REPLACED AND CALIBRATED DUAL	407250249

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS
UNIT 2

DEPT: INST	MARKNO	SUMMARY	WKPERF	MR
RETSEVDT	SYS COMP			
07/19/84	EC RECORDER 2-RC-408	Tave Reads Hgh Than Tref	ADJUSTED SPAN AND ZERO CHECKED SAT.	407151744

HEALTH PHYSICS

July, 1984

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

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

July, 1984

<u>Number</u>	<u>Unit</u>	<u>Title</u>	<u>Date Deviated</u>	<u>Date Rev. By SNSOC</u>
MMP-C-G-160	1, 2	Corrective Maintenance Procedure for Limitorque Valve Operator Size SMB-00	6-17-84	7-24-84
CAL-LW-55	1	Calibration Procedure for F-LW-104A Liquid Waste Effluent	6-24-84	7-10-84
EWRP 84-153-1	2	Catalyst Bed Assembly Replacement Procedure for COMSIP, Inc. Model K-III Containment H ₂ Analyzers (H ₂ A/GW 104-01 or 204-1)	6-12-84	7-10-84
MOP 7.18	2	Return to Service of 2-CS-P-1A	6-12-84	7-5-84

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

August 15, 1984


Mr. Maurice R. Beebe
Office of Resource Management
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Serial No. 498
NO/JDH:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. Beebe:

Enclosed is the Monthly Operating Report for Surry Power Station Unit Nos. 1 and 2 for the month of July, 1984.

Very truly yours,



W. L. Stewart

Enclosure (3 copies)

cc: Mr. R. 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

IE24
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