

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 84-09

APPROVED BY:

RT Sams
STATION MANAGER

8410120134 840831
PDR ADOCK 05000280
R PDR

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DOCKET NO. 50-280
DATE 06 SEP 84
COMPLETED BY Vivian Jones
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1
2. REPORTING PERIOD	80184 TO 83184
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 3 THROUGH 7) SINCE LAST REPORT, GIVE REASONS	N/A

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

THIS MONTH YR-TO-DATE CUMULATIVE

11. HOURS IN REPORTING PERIOD	744.0	5855.0	102503.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	4540.8	63633.7
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	9.3	3774.5
14. HOURS GENERATOR ON-LINE	744.0	4477.8	62345.0
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	1421403.7	9837650.6	144763954.9
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	437625.0	3143785.0	46463628.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	408868.0	2971195.0	44048931.0
19. UNIT SERVICE FACTOR	100.0 %	76.5 %	60.8 %
20. UNIT AVAILABILITY FACTOR	100.0 %	76.5 %	64.5 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	70.9 %	65.5 %	55.4 %
22. UNIT CAPACITY FACTOR (USING DER NET)	69.7 %	64.4 %	54.5 %
23. UNIT FORCED OUTAGE RATE	0.0 %	4.5 %	9.0 %
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
(PRIOR TO COMMERCIAL OPERATION)

FORECAST ACHIEVED

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

OPERATING DATA REPORT

DOCKET NO. 50-281
 DATE 06 SEP 84
 COMPLETED BY Vivian Jones
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME SURRY UNIT 2
 2. REPORTING PERIOD 80184 TO 83184
 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	5855.0	99383.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	729.3	5087.6	63658.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	0.0	328.1
14. HOURS GENERATOR ON-LINE	727.0	5031.6	62607.6
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GENERATED (MWH)	1746844.0	11896464.1	146612337.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	546780.0	3785.785.0	47580 644.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	517818.0	3586 561.0	45093 621.0
19. UNIT SERVICE FACTOR	97.7 %	85.9 %	63.0 %
20. UNIT AVAILABILITY FACTOR	97.7 %	85.9 %	63.0 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	89.8 %	79.0 %	58.5 %
22. UNIT CAPACITY FACTOR (USING DER NET)	88.3 %	77.7 %	57.8 %
23. UNIT FORCED OUTAGE RATE	2.3 %	14.1 %	14.8 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)	11-9-84 to 11-19-84 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 August, 1984

DOCKET NO. 50-280
 UNIT NAME Surry 1
 DATE 09-07-84
 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
THERE WERE NO UNIT SHUTDOWNS OR POWER REDUCTIONS GREATER THAN 20% 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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August, 1984

DOCKET NO. 50-281
 UNIT NAME Surry II (cont.)
 DATE 09-07-84
 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
84-20	08-07-84	F	17.0	A	3	84-013			The unit received a turbine runback to 300 MW's, then two minutes later, received a reactor trip. The cause of the runback was a NIS runback from N-43 when the control power fuse blew while inst. techs. were trouble shooting a failure of the flux meter. The blown fuse was caused by using an ungrounded cord on test meter. Inst. Dept. has discussed this problem with all tech's. to prevent reoccurrence. The unit also received three OTΔT runbacks and then a OPΔT trip. These were caused by a decreasing setpoint. The reason for the decreasing setpoint is still under investigation.

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 August, 1984

DOCKET NO. 50-281
 UNIT NAME Surry II
 DATE 09-07-84
 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
84-21	08-15-84	S	0.0	H	4				The unit was reduced to 78% power (570 MW's) to allow removal and cleaning of "A" waterbox.
84-22	08-18-84	F	0.0	A	4				The unit was reduced to 67% power (485 MW's) due to the loss of four circulators at the low level intake. The circulators tripped off on high water level in pit caused by gross leakage from I-CW-P-ID. The pump was removed from service and is being repaired.
84-23	08-21-84	S	0.0	H	4				The unit was reduced to 76% power (580 MW's) to allow removal and cleaning of "A" waterbox.

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 RESTRICTIONSUNIT NO.1MONTH: August, 1984

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

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONSUNIT NO.2MONTH: August, 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 9-1-84
 COMPLETED BY V. H. Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: AUGUST 84

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	432.9	17	552.8
2	500.6	18	546.0
3	565.9	19	549.0
4	564.7	20	549.8
5	563.7	21	546.5
6	560.4	22	538.0
7	549.6	23	555.8
8	544.0	24	560.4
9	556.0	25	559.9
10	555.4	26	555.8
11	550.8	27	554.1
12	550.4	28	566.7
13	550.1	29	566.8
14	550.6	30	566.4
15	548.3	31	563.1
16	551.6		

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 9-1-84
 COMPLETED BY V. H. Jones

AVERAGE DAILY UNIT POWER LEVEL

MONTH: AUGUST 84

DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
1	726.5	17	712.4
2	725.5	18	671.8
3	720.1	19	716.0
4	720.8	20	717.0
5	717.4	21	683.4
6	709.8	22	725.7
7	429.0	23	725.5
8	405.7	24	724.5
9	717.1	25	726.8
10	721.4	26	723.5
11	718.2	27	730.6
12	714.7	28	731.1
13	706.2	29	730.0
14	703.0	30	715.2
15	662.9	31	730.1
16	714.0		

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 EXPERIENCEMONTH/YEAR August, 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

08-01-84	0000	This reporting period begins with the unit at 65% power (470 MW's) holding due to 1-FW-P-1A out of service.
08-02-84	0840	1-FW-P-1A returned to service, commenced increasing power at 3%/hour.
	1340	Holding power at 80% (600 MW's), unit is limited to 80% power due to rod B-6 being stuck.
08-08-84	0949	Unit power rapidly reduced to 62% (440 MW's) due to a loss of 1-FW-P-1A.
	1004	1-FW-P-1A returned to service, commenced power increase at 150 MW/hr.
	1130	Unit at 80% power (600 MW's).
08-09-84	1052	Two men fatally injured caused by electrocution when one man drilled into a 4160 volt cable from "C" RSS. The other man was killed during his rescue attempt.
08-22-84	0011	Commenced power decrease for removal of "1D" waterbox from service for cleaning.
	0045	Holding power at 70% (500 MW's).
	0402	Commenced power increase at 3%/hour.
	0701	Unit at 80% power (600 MW's).
08-24-84	2344	Commenced power decrease for removal of "1D" waterbox from service for cleaning.
08-25-84	0150	Holding power at 76% (530 MW's).
	0622	Commenced power increase at 3%/hour.
	0918	Unit at 80% power (600 MW's).
08-31-84	2400	This reporting period ends with the unit at 80% power (600 MW's).

SUMMARY OF OPERATING EXPERIENCEMONTH/YEAR August, 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

08-01-84	0000	This reporting period begins with the unit at 100% power (770 MW's).
08-07-84	1423	Turbine runback caused by NIS rod drop signal from N-43 when control power fuse blew while instrument technicians were trouble shooting failure of flux meter.
	1425	Reactor trip caused by a two out of three OPΔT signal, this was initiated because the setpoint was automatically reduced or pen alized following Turbine runback.
08-08-84	0510	Reactor critical.
	0723	Generator on the line, commencing a 150 MW/hour power increase.
	1600	Reactor at 100% (760 MW's).
08-14-84	2300	Commenced power decrease for removal of "2A" waterbox from service for cleaning.
08-15-84	0132	Holding at 78% power (570 MW's).
	0150	Commenced power increase at 150 MW's/hour.
	0650	Unit at 100% power (760 MW's).
08-18-84	1226	Commenced power decrease due to loss of four circulating water pumps at the low level intake.
	1300	Holding power at 67% (485 MW's).
	1408	Commenced power increase at 150 MW's/hour, circulators returned to service.
	1720	Unit at 100% power (760 MW's).
08-20-84	2250	Commenced power decrease for removal of "2A" waterbox from service for cleaning.
	2350	Holding power at 76% (580 MW's).
08-21-84	0502	Commenced power increase at 150 MW's/hour.
	0706	Unit at 100% (770 MW's).
08-30-84	0345	Commenced power decrease for removal of "2A" waterbox from service for cleaning.

UNIT TWO (Continued)

08-30-84	0450	Holding power at 84% (640 MW's).
	0645	Commenced power increase at 150 MW's/hour.
	0800	Unit at 100% power (770 MW's).
08-31-84	2400	This reporting period ends with the unit at 100% power (770 MW's).

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

MONTH/YEAR August, 1984

The Nuclear Regulatory Commission issued on 6-19-84 Ammendment number(s) 97 and 96 to the Operating License for Surry Power Station, Unit No.'s 1 & 2. This Ammendment is a result of the proposed Technical Specification Change Request No.(s) 127 and Changes Radiological Effluent Technical Specifications.

FACILITY CHANGES REQUIRING
NRC APPROVAL

August, 1984

NONE DURING THIS REPORTING PERIOD.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

August, 1984

NONE DURING THIS REPORTING PERIOD.

TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL

August, 1984

NONE DURING THIS REPORTING PERIOD.

TESTS AND EXPERIMENTS THAT
DID NOT REQUIRE NRC APPROVAL

August, 1984

NONE DURING THIS REPORTING PERIOD.

OTHER CHANGES, TESTS AND EXPERIMENTS

August, 1984

NONE DURING THIS REPORTING PERIOD.

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
CHEMISTRY REPORT

August 19 84

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	1.65	0.92	1.35	1.38E ⁻¹	1.79E ⁻²	7.31 ⁻²
Suspended Solids, ppm	0.0	0.0	0.0	0.0	0.0	0.0
Gross Tritium, $\mu\text{Ci/ml}$	3.95E ⁻²	3.23E ⁻²	3.53E ⁻²	2.25E ⁻¹	1.15E ⁻¹	1.68E ⁻¹
Iodine ¹³¹ , $\mu\text{Ci/ml}$	3.00E ⁻²	1.22E ⁻²	2.31E ⁻²	5.17E ⁻⁴	7.29E ⁻⁵	1.94E ⁻⁴
I ¹³¹ /I ¹³³	0.41	0.14	0.26	0.23	0.04	0.12
Hydrogen, cc/kg	38.9	21.0	29.9	49.7	27.2	35.0
Lithium, ppm (A)	0.67	0.44	0.57	1.26	0.78	0.96
Boron-10, ppm*	41.6	20.6	26.6	109.4	73.7	83.8
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	7.00	6.77	6.91	6.69	6.49	6.55

* Boron-10 = Total Boron x 0.196

NON-RADIOACTIVE CHEMICAL
RELEASES, POUNDS

T.S. 4.13.A.6 (B)

Phosphate	-	Boron	55
Sulfate	-	Chromate	0.0
50% NaOH	-	Chlorine	-

REMARKS: (A) Lithium additions made to unit #2: 680 gms on 8-7; 480 gms on 8-8; 210 gms on 8-18; 100 gms on 8-30. Cation bed placed in service on unit #1 on 8-13, cation bed placed in service on unit #2 on 8-13 and 8-27 for lithium removal. (B) The levels of these chemicals should create no adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

August, 1984

NONE DURING THIS REPORTING PERIOD.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE PSAR

August, 1984

NONE DURING THIS REPORTING PERIOD.

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

August, 1984

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

DEPT	RETURNED TO SERVICE	MARK NUMBER	WD NUMBER	WD TITLE	HISTORY SUMMARY
	08/16/84	01-CC -E -1D	003650	CLEAN D CC HX	CLEANED OUT 1D HEAT EXCHANGER GOT 1 BAG OF TRASH OUT
R03	08/27/84	01-CH -P -2D	003658	PUMP SEAL LEAKS BADLY	OVERHAULED OLD TYPE PUMP AND REPLACED PUMP, REPLACED IMPELLER SHAFT SLEEVE SEAL OIL SEAL AND SHAFT, REPLACE D STUFFING BOX, HAD TO SHIM UP OLD TYPE PUMP WITH A 1 1/2 PLATE.
R03	08/30/84	01-CC - -130	004270	BASEPLATE BOLT LOOSE--NEEDS TO	TORQUE NUT TO 140 FT LB AS PER PERCEDURE
R03	08/09/84	01-SW -P -1C	003444	PUMP IS INOPERABLE DUE TO IN-	DIVERS CLEANED SUCTION PIPE OPS CHECKED OK
R03	08/13/84	01-MS -SOV -102A	003038	VALVE LEAKS BY SEAT CAUSING PU	REPLACED GASKETS IN VALVE, TO BODY TO BONNET BOLTS TO 165 FT LBS GASKET SET SET STOCK NUMBER 1740362 TOOLS: TORQUE WRENCH 1311
R03	08/15/84	01-MS -SOV -102B	003039	VALVE LEAKS BY SEAT CAUSING PU	REPLACED BODY TO BONNET GASKET AND GASKETS IN VALVE TO BODY TO BONNET BOLTS TO 165 FT LBS INSTALLED NEW GASKETS AND TORQUED VALVE BONNET TO 165 FT LBS
R03	08/17/84	01-CH -P -2A	002916	REPLACE FASTENERS ON	INSULATION COVER ORIGINALLY DESIGNED TO BE HELD TOGETHER BY FINGER TIGHT BOLTS, BOLTS HAVE BEEN REPLACED.
R03	08/20/84	01-EG -C -2	003749	AIR COMPRESSOR RUNS CONTINU-	OPENED CHECK VALVE PORT AND FOUND FLUID OPENED LP HEAD AND FOUND INCORRECT BETWEEN SPACER AND CYLINDER OF EN HP HEAD FOUND BLOWN HEAD GASKET REPLACED LP/HP GASKETS AND DRAINED
R03	08/20/84	01-MS -NRV -101C	003741	FURMANITE PACKING LEAK	INJECTED PACKING GLAND WITH FURMANITE NUCLEAR GRADE FIBER CART LOT 1012 WR NO. 045024 SUBMITTED TO RETURN TO ORIGINAL
R03	08/22/84	01-BB -HSS -NA	002166	DISASSEMBLE AND INSPECT SNUBBE	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/22/84	01-BB -HSS -NA	002167	DISASSEMBLE AND INSPECT SNUBBE	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/22/84	01-BB -HSS -NA	002168	DISASSEMBLE AND INSPECT SNUBBE	DISASSEMBLED AND INSPECTED SNUBBER AND Retired Snubber
R03	08/22/84	01-BB -HSS -NA	002169	DISASSEMBLE AND INSPECT SNUBBE	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/22/84	01-BB -HSS -NA	002170	DISASSEMBLE AND INSPECT SNUBBE	DISASSEMBLE AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/22/84	01-CC -E -1A	003557	TUBE LEAK	REMOVED END BELL, 1 TUBE RUPTURED, PLUGGED SAME, MADE NEW GASKET CLEANED NUTS AND BOLTS AND LUBRICATED, INSTALLED END BELL AND CLOSED MANNWAY
R03	08/22/84	01-CV -P -1A	003602	PUMP RUNS NOISY	REPLACED PUMP WITH SPARE PUMP
R03	08/22/84	01-EG -C -2	003436	REPAIR FITTING ON SIDE OF	REPLACED HEAD GASKETS AND REED VALVE ON COMPRESSOR
R03	08/22/84	01-IA -C -1	003120	REMOVE/REINSTALL BELTS FOR MOT	REINSTALL BELTS AND ALIGN PULLEY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R03	08/22/84	01-SW -P -1B	003410	REBUILD PUMP LOW DISCHARGE FLO	REMOVED PUMP DISASSEMBLED SUCTION BELL AND IMPELLER REPLACED BELL WITH NEW, REASSEMBLED WITH .011 IN. CLEARANCE IMPELLER TO BELL, SUCTION STRAINER CLOGGED, REPLACED W/LARGER
R03	08/22/84	01-VS -E -4A	002857	CHILLER TRIPS ON LOW SUCTION	PLUGGED 8 CONDENSER TUBES MAKING A TOTAL OF 11 TUBES PLUGGED DRIED MOI STURE OUT OF REFRIGERANT SYSTEM REC HARGED AND STARTED UNIT
R03	08/23/84	01-BB -HSS -NA	002719	DISASSEMBLE/INSPECT SNUBBER (S	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/25/84	01-CH -MOV -1381	003928	PACKING NEEDS ADJUSTING OR	ADJUSTED PACKING 3 FLATS
R03	08/27/84	01-VS -F -7B	003856	BELTS OR PULLEYS MAKING EXCES-	ADJUSTED BELTS
R03	08/28/84	01-CV -P -1A	004312	UNCOUPLE/RECOUPLE FOR ELECT.	VOID! LISTENED TO PUMP RUN. NO ABNO MAL NOISE HEARD. THE NOISE YOU MAY HEAR IS NORMAL.
R03	08/29/84	01-HS - -196	003495	VALVE LEAKS THRU GLOBE VALVE	VOID! WORK TO BE COMPLETED ON WO #003390
R03	08/29/84	01-HS -PCV -102A	004169	VALVES LEAK BY	PULLED BONNET ON VALVE REPLACED GASKETS AND TO BODY TO BONNET BOLTS TO 165 FT LBS
R03	08/29/84	01-HS -PCV -102B	004168	VALVE LEAKS BY	PULLED BONNET ON VALVE, REPLACED GASKETS AND TO BODY TO BONNET BOLTS TO 165 FT LBS
R03	08/30/84	01-BB -HSS -NA	002704	DISASSEMBLE INSPECT SNUBBER	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-BB -HSS -NA	002705	DISASSEMBLE SNUBBER INSPECT	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-BB -HSS -NA	002706	DISASSEMBLE SNUBBER INSPECT	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-BB -HSS -NA	002707	DISASSEMBLE SNUBBER INSPECT	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-BB -HSS -NA	002708	DISASSEMBLE INSPECT SNUBBER	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-BB -HSS -NA	002709	DISASSEMBLE INSPECT SNUBBER	INSPECTED SNUBBER AND RETIRED Snubber
RC3	08/30/84	01-BB -HSS -NA	002710	DISASSEMBLE INSPECT SNUBBER	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R03	08/30/84	01-RS -HSS -NA	002711	DISASSEMBLE INSPECT SNUBBER	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002712	DISASSEMBLE INSPECT SNUBBER	DISASSEMBLE SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002713	DISASSEMBLE INSPECT SNUBBER	INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002714	DISASSEMBLE INSPECT SNUBBER	DISASSEMBLED SNUBBER INSPECTED AND RETIRED SNUBBER
R03	08/30/84	01-RS -HSS -NA	002715	DISASSEMBLE INSPECT SNUBBER	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002716	DISASSEMBLE/INSPECT SNUBBER (S	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002717	DISASSEMBLE/INSPECT SNUBBER (S	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-RS -HSS -NA	002718	DISASSEMBLE/INSPECT SNUBBER (S	DISASSEMBLED AND INSPECTED SNUBBER AND RETIRED Snubber
R03	08/30/84	01-CH -RV -1203	003006	REBUILD SPARE RELIEF VALVE	OVERHAUL VALVE REPLACED SPINDLE GUIDE, GASKETS, DISC. CLEANED LAPPED PERFORMED PT 12.2 FOUND DISC DAMAGED SPINDLE BENT
R03	08/30/84	01-EE -RV -104	002412	EWB 84-179 EXISTING RV DOES NO	TEST NEW VALVE AS PER PT-12.2 THEN REPLACE OLD VALVE WITH NEW VALVE AS PER EWB-84-179
R03	08/30/84	01-EE -RV -106	002413	EWB 84-179 EXISTING RV DOES NO	TESTED VALVE AS PER PT-12.2 REPLACED VALVE TOOLS: PIPE WRENCH 12"10" CRECENT
R03	08/30/84	01-EE -RV -107	002415	EWB 84-179 EXISTING RV DOES NO	TEST NEW RELIEF VALVE AS PER PT-12.2 AND REPLACED OLD VALVE WITH NEW TESTED VALVE AS PER EWB-84-179
R03	08/30/84	01-EE -RV -108	002414	EWB 84-179 EXISTING RV DOES NO	TESTED VALVE AS PER PT-12.2 REPLACED VALVE
R03	08/31/84	01-CC -E -1A	004442	1-CC-E-1A HAS TUBE LEAKS PLEASE	CHECKED 1-CC-E-1A FOR TUBE LEAK FOUND NO TUBE LEAK HAD OPS VERIFY PETE DEWITT AND LOU JONES
R03	08/31/84	01-CH -P -1B	002620	OIL LEAK BELOW BULL EYE	REPLACED BULLS EYE

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
FROM 08/01/84 THRU 08/31/84
UNIT 02 SURRY

PROGRAM WPT09860 09/10/84 15:06

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R03	08/13/84	02-CH -FCV -2114B	003579	CHECK TRAVEL OF VALVE	WENT TO THE BORIC ACID FLATS AND ISOLATED THE AIR TO THE VALVE. WE THEN BLEED THE AIR OFF DOME TO CHECK SEE IF VALVE WOULD MOVE IT DIDN'T, VLV IS LEAKING THRU MECH PROBLEM
R03	08/20/84	02-MS -TV -201A	003740	FURMANITE RIGHT SIDE - PACKING	DRILL AND TAP PACKING GLAND AND INJECTED WITH FURMANITE COMPOUND NUCLEAR GRADE FIBER CART LOT 1012 WR NO.045026 SUBMITTED TO RETURN TO ORIGINAL
R03	08/22/84	02-CH -FCV -2114B	003578	ADJUST STROKE	REPLACED DIAPHRAGM IN VALVE FOUND NOTHING WRONG WITH OLD DIAPHRAGM
R03	08/22/84	02-SHF-HSS -17	003582	LOW LEVEL IN RESERVOIR	CHECK SNUBBER RESERVOIR. BEFORE FILLING 75% FILL TO 95%
R03	08/27/84	02-MS - -377	003985	FURMANITE REINJECT PACKING	REINJECTED VALVE PACKING WITH FURMANITE NUCLEAR GRADE COMPOUND N-FIBER CART LOT # 1011 TO STOP LEAK. WO SUBMITTED TO REPAIR #098630
R03	08/27/84	02-MS - -381	003971	HIGH PRESSURE STEAM LEAK ON	DRILLED TAPED AND INJECTED VALVE BONNET WITH FURMANITE NUCLEAR GRADE COMPOUND F 83 NEW LOT #111 TO STOP LEAK. WO SUBMITTED TO REPAIR WO #098631
R03	08/27/84	02-MS -HSS -34A	004204	FLUID LEVEL LOW PLEASE REFILL	FOUND RESERVOIR 4/5 FULL AND ADDED 16 OUNCES OF SNUBBER FLUID TO RESERVOIR
R03	08/29/84	02-CS - -069	004129	3/4" LINE COMING OFF OF 2-CS-0	REMOVED PIPECAP REMOVED OLD THREAD DOPE. USED FILE TO REMOVE BURS FROM THREADS. USED NEW THREAD DOPE AND REINSTALLED PIPE CAP
R03	08/30/84	02-CH -P -1A	004356	REPLACE AUX OIL PUMP	REMOVED OLD AND INSTALLED NEW AUXILIARY OIL PUMP AND ADD APPROX 1 GALLON OF OIL (IND 68) TO RESERVOIR

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R04	08/10/84	01-EPH -IC	003504	REPLACE 1C RSS LEAD FROM TRANS	PERFORMED "HI-POT" TEST ON CABLES F OR C RSS XFMR CHECKED ALL CABLES AND FOUND 1F1PH9 ON C 0 TO BE BAD 8/10/84
R04	08/13/84	01-NI -REL -IRBYB	003431	RELAY IS NOT PICKED UP SHOULD	REPLACED COIL AND RELAY ASSEMBLY AS PER ENP-C-RT-24 8-8-84
R04	08/16/84	01-EE -SOV -104	003679	SOV WILL NOT OPEN	REPLACED COIL AND AUX CONTACT BLOCK IN 1-EE-P-1C M.C.C.
R04	08/16/84	01-EPL-BKR -1B12	003559	CIRCUIT BREAKER TRIPS AND	BRIDGED AND MEGGERED AC 9.2 AB 8.67 BC 9.2 MEGGED 1000M 'A' CAUSES BREAKER TO TRIP TEST BKR SAT SUSPECT 'A' PHASE AS PROBLEM 8-12-84 HEATER SEEMS TO BE SAT MUST TAG BKR 14B1-2
R04	08/16/84	01-IA -C -4B	003036	AIR COMP BKR TRIPS WHEN COMPRES	PERFORMED PMS ON 1-IA-C-4B AND TEST RAN SAT, NO PROBLEMS FOUND WITH THE BREAKER TRIPPING
R04	08/16/84	01-IA -D -4B	001993	HIGH TEMP ALARM IN	WHILE PERFORMING PMS ON 1-IA-C-4B THE AIR DRYER CHECKED OUT SAT AND DID NOT TRIP THE BREAKER 8-14-84
R04	08/16/84	01-MS -SOV -102A	003336	ELEC. DISCONNECT/RECONNECT	DISCONNECT SOV 8-14-84 INSTALL AND ADJUST LIMIT ON SOV 102A 8-15-84
R04	08/16/84	01-MS -SOV -102B	003335	ELECT. DISCONNECT/RECONNECT	DISCONNECTED SOV'S NEED 20" OF #1 LIQUID TIGHT FOUND LIQUID TIGHT BROCKEN. INSTALL AND ADJUST LIMIT ON SOV 102B 8-15-84
R04	08/16/84	01-SW -MOV -105C	003733	DO NOT GET CLOSED INDICATION C	READJUSTED LIMIT SWITCHES AND TESTED SAT 8-16-84
R04	08/21/84	01-NI -DET -32	003521	REPLACE PRE-AMP	REPLACED PRE AMP AND PERFORMED PT-1 .4 ON DRAWER TO RETURN TO SERVICE
R04	08/22/84	01-RC -PT -456	003432	ALARM IS SPURIOUS AND IS BEING	REPLACED PC-456A PC-456B PC-456C PC-456D AND PH-456 AND PH-456A CHECKED FOR LOOSE CONNECTIONS BUT FOUND NONE. PERFORMED PT-2.4A SAT MONITOR LOOP WITH RECORDER NO SPIKES
R04	08/23/84	01-CH -P -2D	003669	REMOVE INSULATION/DISCONNECT	REMOVED HEAT TAPE AND DISCONNECTED 8-20-84. REINSTALLED HEAT TRACE REPAIRED FLEX ON STRIP HEATERS 8-23-84
R04	08/23/84	01-RC - -MISC	003998	ALARM IN SHOULD NOT BE IN	THE KF RELAY 15B3 AS FOUND READINGS WERE ACCEPTABLE BUT DUE TO UNEXPLAIN OPERATIONS THE RELAY HAS BEEN REPLACED WITH STOCK SPARE KF
R04	08/29/84	01-EE -BKR -1H12	004228	BREAKER IS NOT LABELED AND IS	SPARE
R04	08/30/84	01-EPH-BKR -15J10	004121	REPLACE PIN AND SPRING	COMPLETED INSTALLATION OF CLOSE LATCH ANTI SHOCK SPRING AND NEW CUTTER KEY USING PROCEDURE TEMP-C-E PH-129 BREAKER TESTED 8-28-84 SATISFACTORY
R04	08/30/84	01-MS -PCV -102A	004316	DISCONNECT/RECONNECT ELECT.	LIMIT SWITCHES AND SOV UNBOLTED FROM VALVE 8-28-84. LIMIT SWITCHES AND SOV WERE ALREADY ON VALVE CHECKED TO MAKE SURE EVERYTHING WORKED OK
R04	08/30/84	01-MS -PCV -102B	004315	DISCONNECT/RECONNECT ELECT	LIMIT SWITCHES AND SOV UNBOLTED FROM VALVE 8-28-84. LIMIT SWITCHES AND SOV WERE ALREADY BOLTED UP CHECKED TO SEE IF WORKED OK

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
FROM 08/01/84 THRU 08/31/84
UNIT 02 SURRY

PROGRAM WPT09860 09/10/84

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R04	08/10/84	02-CH -FCV -2113A	003417	INTERMEDIATE INDICATION	ADJUSTED LIMIT SWITCH ARM ON UPPER SWITCH TO GIVE OPEN LIGHT FAILURE MODE: INCORRECT LIGHT INDICATIONS: FAILURE MECHANISM: LIMIT SWITCHES OUT OF ADJUSTMENT
R04	08/16/84	02-DA -LS -121B	003707	HI LEVEL ALARM WILL NOT CLEAR	APPLIED HEAT AT 1930 CHECKED WITH OPS AND ALARM 13 NOW CLEARED
R04	08/17/84	02-RC -BKR -4/4	003698	BREAKER TRIPS AND WILL STAY	BRIDGE AND MEGGER SAT BKR STILL TRIPS 8-15-84 70 AMP (W) CAT 3 EMB3070 A
R04	08/17/84	02-RF -BKR -A/B	002784	INSTALL TIMING CIRCUITRY IN	TIMING CIRCUIT ADDED TO A+B BREAKER S AND INST TECH PT 8.1 COMPLETE RETURNED TO NORMAL OPS 8-16-84
R04	08/20/84	02-RI -ANN -AA7	001833	ALARM WILL NOT INDICATE RULES	JUMPER CONTACT TO GIVE ALARM IN CONTROL ANN BOARD. REPLACED CHER AND CHECK ALARM SAT
R04	08/22/84	02-FP -PNL -2	004016	POWER FAILURE LIGHT IS ON	FUSES FOUND TO BE BAD ORDERED NEW FUSE MIN 5 STOCK #0325214 INSTALLED FUSE AND RESTORED POWER TO DETECTOR DELUGE PNL. CHECKED WITH CONTROL ROOM OPERATOR TO CLEAR ALARM
R04	08/23/84	02-HS -PNL -2A1	003905	UNDETEMP INDICATION LIGHT IS	CKT 55 NOT IN SERVICE THIS MODULE IS A SPARE CKT 53 IS THE LAST CKT LISTED IN BOOK 2A1
R04	08/30/84	02-HS -LC -497BX	004029	RELAY IS CHATTERING	EXISTING RELAY REMOVED NEW RELAY INSTALLED
R04	08/31/84	02-CH -P -1A	004494	AUX OIL PUMP DRAWS HIGH	FOUND THE HEATERS WERE TOO SMALL MOTOR PULLS .86 AMPS HEATERS 111 GOOD FOR .598 1115 HEATERS WERE PUT IN.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
T22	08/03/84	01-RP -MISC-FB	003183	IRPI F-B STUCK	REMOVED AND ADJUSTED POINTER AND RE INSTALLED INDICATIONS CHECK GOOD
T22	08/13/84	01-RM -SV -111	002976	MONITOR SPIKING CAUSING HI ALE	MONITORED PROBLEM FOR 7 DAYS COULD NOT GET PROBLEM TO DUPLICATE RETURNING MONITOR TO SERVICE
T22	08/16/84	01-RP -MISC-D4	002133	VERY INRATIC DEDICATION	PLACED JUMPER IN ROD BOTTOM BISTABLE MONITORED ROD VOLTAGE FOR SEVERAL DAYS.REMOVED JUMPER ON BISTABLE CHECKED AND RETURNED TO SERVICE TOOLS 1 VOLTMETER VO-24
T22	08/16/84	01-SI -PT -929	002697	RECALIBRATE/LARGE DEVIATION BE	CHECKED CALIBRATION OF INDICATOR SAT
T22	08/16/84	01-SI -PT -931	002698	RECALIBRATE/LARGE DEVIATION BE	CHECKED CALIBRATION OF INDICATOR SAT PROCEDURE SENT TO ENGINEERING TOOLS DMV VO-15
T22	08/20/84	01-RP -MISC-N/A	003421	OPOT SETPOINT WENT LO INVESTI-	VOID SAME AS 3802003422
T22	08/21/84	01-CS -LI -100D	002840	CHIV RWST LEVEL READS LOWER TH	ADJUSTED INDICATOR AS PER PT.2.19A CHECKED SAT PT SENT TO ENG
T22	08/21/84	01-RC -TI -467	003870	TEMPERATURE INDICATOR FOR B	CHECKED THE CALIBRATION OF THE LOW-LEVEL AMPLIFIER AND INDICATOR ALSO CHECKED THE RTD RESISTANCE ALL MODULES ARE WITHIN SPECIFICATION CHECKED SAT
T22	08/22/84	01-CV -PI -101A	003805), 1 DF DIFFERENCE BETWEEN 1-C	ZERO SHIFTED ON TRANSMITTERS.PERFORMED TRANSMITTER CALIBRATION CHECKED SAT (BOTH CHANNELS P-CV-101A & 101B) PT'S SENT TO ENGINEERING
T22	08/22/84	01-RM -RI -160	003603	MONITOR FAILED	TIGHTENED FUSE HOLDER CHECKED SAT
T22	08/22/84	01-VG -RM -130/2	002230	REPLACE PUMP	REPLACED PUMP ELECTRICIANS TAGGED BREAKER AND REMOVED LEADS TO PUMP
T22	08/24/84	01-BR -LI -103A	002103	CALIBRATE LEVEL INDICATOR	PERFORMED CALIBRATION COMPLETELY MADE MINOR ADJUSTMENTS AS NECESSARY OPS SAT
T22	08/24/84	01-BR -LI -103C	002104	CALIBRATE METER(PUMP CAVITATED)	PERFORMED CALIBRATION PROCEDURE COMPLETELY MADE MINOR ADJUSTMENTS AS REQUIRED OPS SAT
T22	08/24/84	01-CH -HCV -1104	003863	C BAST RECIRC VALVE WILL NOT	REPLACED RESTRICTOR PLUG ASSY
T22	08/24/84	01-HI -YI -100C	003983	LEFT BAR ON LUMIGRAPH NOT	REPLACED DISPLAY BAR AND CHECKED LUMIGRAPH
T22	08/24/84	01-RC -TR -409B	003182	RED PEN IS ERRATIC	REPLACED RECORDER SERVO MOTOR,CALIB
T22	08/24/84	01-SI -PI -1943	003728	GAUGE NOT MOUNTED TO BRACKET	MOUNTED GUAGE TO BRACKET
T22	08/24/84	01-SI -PI -1944	003727	GAUGE NOT MOUNTED ON BRACKET	MOUNTED GUAGE TO BRACKET OPS SAT
T22	08/30/84	01-RM -RR -150	004258	RE-INK RECORDER INK PAD	REPLACED LIGHT PRINTING INK PADS PADS PN #30735591-501 30735591-506 30735591-503
T22	08/30/84	01-VS -DET -100B	004095	WARNING ALARM WILL NOT CLEAR	PERFORMED CAL 415-FOUND CALIBRATION CARD REQUIRED ADJUSTMENT. ADJUSTED SAME-OP SAT
T22	08/31/84	01-CC -PI -1139A	002593	DISCHARGE PRESS GAUGE PEGGED H	CALIBRATED INDICATOR
T22	08/31/84	01-CH -P -2B	003866	GAUGE NEEDS TO BE RECALIBRATED	REPLACED GAUGE OPS SAT
T22	08/31/84	01-CH -PI -1151	003359	RECALIBRATE QUALIFY AND ASSIGNE	PERFORMED PT 40 GAUGE OPS SAT
T22	08/31/84	01-BW -H2A -102	004196	INSPECT & REPAIR AS NECESSARY	INSTALLED NEW ACROVAG OUTPUT MODULE AND CALIBRATED IT. VOLTMETER SGC212

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
FROM 08/01/84 THRU 08/31/84
UNIT 02 SURRY

PROGRAM WPT09860 09/10/84 15:06

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
T22	08/16/84	02-CH -FCV -2114A	003158	REMOVE REINSTALL INSTRUMENTATI	REPLACED INSTRUMENTATION ON VALVE AND STROKED FROM CONTROL ROOM
T22	08/16/84	02-CH -FCV -2114B	003159	REMOVE REINSTALL INSTRUMENTATI	REMOVED INSTRUMENTATION FOR VALVE MAINTENANCE 8-10-84 REPLACED INSTRUMENTATION
T22	08/16/84	02-FW -FT -2486	003664	TRANSMITTER INDICATING LOW	REPLACED FM-486 AND PERFORMED IMP-C -RP-009 AND PT-2-10A ON NEW MODULE
T22	08/21/84	02-RI -MISC-422B	003422	NM-2-422B FUNCTION GENERATOR	REPLACED FUNCTION GENERATOR AND CHE CKED CALIBRATION PT SENT TO ENGINEERING
T22	08/21/84	02-RM -RMS -260	003525	ALARM SETPOINT 11X HIGHER THAN	CHECKED SETPOINT IN ACCORDANCE WITH CALIBRATOR PROCEDURE
T22	08/23/84	02-NI -MISC-NA	003925	PERM. STATUS LIGHT NOT LIT.	REPLACE RELAY # PRB-XB 8-21-84
T22	08/24/84	02-IC -IC -B	003673	REPLACE INCORE DETECTOR 'B'	REPLACED "B" INCORE DETECTOR
T22	08/31/84	02-RC -MISC-408	002802	TONE READS 2 1/2 F HIGHER	PERFORMED REPLACEMENT OF TAVE AM- PLIFER VEPCO STOCK 1430252. DP CK AND CALIBRATION SAT. PART #4739932

END OF REPORT

HEALTH PHYSICS

August, 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

August, 1984

<u>Number</u>	<u>Unit</u>	<u>Title</u>	<u>Date Deviated</u>	<u>Date Rev. By SNSOC</u>
EMP-C-EPL-70	1	Replacing Terminal Block Termination with Raychem WCSF-N Type In Line Field Splices	3-2-83	8-23-84
MMP-C-HSS-023	1,2	Corrective Maintenance Procedure for 8" and 10" Grinnell Hydraulic Suppressors Dual Bleed Orifice	4-2-84	8-21-84
MMP-C-CN-132	1	Replacement of Condenser Expansion Joint Rubber Belt 1-SC-CN-1A	9-27-83	8-28-84
MMP-C-CN-132	1	Replacement of Condenser Expansion Joint Rubber Belt 1-SC-CN-1B	9-27-83	8-28-84

This is a corrected page for July '84 Monthly
Operating Report for Surry Power Station

9/14/84

J. O. Pastorek

SUMMARY OF OPERATING EXPERIENCE

Corrected Copy

MONTH/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	0356	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's/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.
	0550	Unit at 100% (775 MW's).
07-16-84	0847	Turbine bearing indicating a vibration problem with #2 L.P. Turbine.
07-17-84	1930	Commenced plant shutdown at 150 MW's/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 feedpump.
07-19-84	0500	Commenced power increase.
	0759	Unit at 100% power (770 MW's).
07-31-84	2410	This reporting period ends with the unit at 100% power (770 MW's).

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VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

September 14, 1984

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

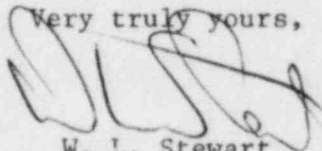
Serial No. 551
NO/JDH:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

Dear Mr. Beebe:

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION UNIT NOS. 1 AND 2
MONTHLY OPERATING REPORT

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

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