

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 84-10

APPROVED BY: *JL Benson for R. Saunders.*
STATION MANAGER

8411150338 840930
PDR ADOCK 05000280
R PDR

IE24
1/1

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VEPCO OPERATING DATA REPORT

PROGRAM NOS12662 10/08/84 11.25.21

DOCKET NO. 50-280
 DATE SEPT. 1, 1984
 COMPLETED BY V. JONES
 TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1		
2. REPORTING PERIOD	SEPTEMBER 1984		
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			
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY -NET MWE-			
10. REASONS FOR RESTRICTIONS, IF ANY			
	THIS MONTH	YR-TO-DATE	CUMMULATIVE
11. HOURS IN REPORTING PERIOD	720.0	6575.0	103223.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	622.5	5163.3	64296.2
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	9.3	3774.5
14. HOURS GENERATOR ON-LINE	622.5	5100.3	62967.5
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16. GROSS THERMAL ENERGY GENERATED -MWH-	1294039.3	11041689.9	145967994.2
17. GROSS ELECTRICAL ENERGY GENERATED -MWH-	379720.0	2523505.0	46843348.0
18. NET ELECTRICAL ENERGY GENERATED -MWH-	355815.0	3327010.0	44404746.0
19. UNIT SERVICE FACTOR	86.5%	77.6%	61.0%
20. UNIT AVAILABILITY FACTOR	86.5%	77.6%	64.6%
21. UNIT CAPACITY FACTOR -USING MDC NET-	63.8%	65.3%	55.5%
22. UNIT CAPACITY FACTOR -USING DER NET-			
23. UNIT FORCED OUTAGE RATE	0.0	4.0%	8.9%
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS -TYPE, DATE AND DURATION OF EACH-			
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE TIME OF STARTUP	12-14-84		
26. UNITS IN TEST STATUS -PRIOR TO COMMERCIAL OPERATION-	FORECAST	ACHIEVED	

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

VEPCO OPERATING DATA REPORT

PROGRAM NOS12662 10/08/84 11.25.29

DUCKET NO. 50-281
 DATE SEPT. 1, 1984
 COMPLETED BY V. JONES
 TELEPHONE 804-357-3184

OPERATING STATUS

- 1. UNIT NAME
- 2. REPORTING PERIOD
- 3. LICENSED THERMAL POWER -MWT-
- 4. NAMEPLATE RATING -GROSS MWE-
- 5. DESIGN ELECTRICAL RATING -NET MWE-
- 6. MAXIMUM DEPENDABLE CAPACITY -GROSS MWE-
- 7. MAXIMUM DEPENDABLE CAPACITY -NET MWE-
- 8. IF CHANGES OCCUR IN CAPACITY RATINGS -ITEMS 3 THROUGH 7- SINCE LAST REPORT, GIVE REASONS

SURRY UNIT 2
 SEPTEMBER 1984
 2441
 847.5
 788
 811
 775

- 9. POWER LEVEL TO WHICH RESTRICTED, IF ANY -NET MWE-
- 10. REASONS FOR RESTRICTIONS, IF ANY

- 11. HOURS IN REPORTING PERIOD
- 12. NUMBER OF HOURS REACTOR WAS CRITICAL
- 13. REACTOR RESERVE SHUTDOWN HOURS

	THIS MONTH	YR-TO-DATE	CUMMULATIVE
11. HOURS IN REPORTING PERIOD	720.0	6575.0	100103.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	678.3	5765.9	64336.8
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	23.8	328.1

- 14. HOURS GENERATOR ON-LINE
- 15. UNIT RESERVE SHUTDOWN HOURS

14. HOURS GENERATOR ON-LINE	670.7	5702.3	63278.3
15. UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0

- 16. GROSS THERMAL ENERGY GENERATED -MWH-
- 17. GROSS ELECTRICAL ENERGY GENERATED -MWH-
- 18. NET ELECTRICAL ENERGY GENERATED -MWH-
- 19. UNIT SERVICE FACTOR
- 20. UNIT AVAILABILITY FACTOR
- 21. UNIT CAPACITY FACTOR -USING MDC NET-
- 22. UNIT CAPACITY FACTOR -USING DER NET-
- 23. UNIT FORCED OUTAGE RATE

16. GROSS THERMAL ENERGY GENERATED -MWH-	1634208.3	13530672.4	148246545.3
17. GROSS ELECTRICAL ENERGY GENERATED -MWH-	510765.0	4296550.0	48091409.0
18. NET ELECTRICAL ENERGY GENERATED -MWH-	484061.0	4070622.0	45577682.0
19. UNIT SERVICE FACTOR	93.2%	86.7%	63.2%
20. UNIT AVAILABILITY FACTOR	93.2%	86.7%	63.2%
21. UNIT CAPACITY FACTOR -USING MDC NET-	86.7%	79.9%	58.7%
22. UNIT CAPACITY FACTOR -USING DER NET-	85.3%	78.6%	57.8%
23. UNIT FORCED OUTAGE RATE	6.8%	11.7%	9.8%

- 24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS -TYPE, DATE AND DURATION OF EACH-

Winter Maintenance—11-13-84—10 Days

- 25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE TIME 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 September, 1984

DOCKET NO. 50-280
 UNIT NAME Surry 1
 DATE Oct. 08-1984
 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
84-9	09-26-84	S	97.5	A	3				Reactor trip caused by "C" RCP tripping on instantaneous overcurrent. The failure was apparently the "A" phase connector. It will be repaired by performing a field replacement of the stator coil tee on the motor. Commenced refueling outage.

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 September, 1984

DOCKET NO. 50-281
 UNIT NAME Surry II
 DATE Oct. 08, 1984
 COMPLETED BY V. H. Jones
 TELEPHONE 804-357-3184

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Scramming Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
84-24	9-18-84	F	49.3	A	1				Unit was taken off the line to repair a pipe leak on line coming from "A" MSR to the HP drain tank. Several elbows and sections of pipe were replaced on this line prior to starting unit back up.

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

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 1

MONTH: September, 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: September, 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						

VEPCO AVERAGE DAILY UNIT POWER LEVEL

SURRY POWER STATION

PROGRAM NOS12681 10/08/84 09.22.20

REPORTING MONTH - SEPTEMBER 1984

DUCKET NO. 50-280

DUCKET NO. 50-281

DATE SEPT. 1, 1984

COMPLETED BY V. JONES

UNIT ONE

UNIT TWO

DAY AVERAGE DAILY POWER LEVEL
-MWE-NET-

AVERAGE DAILY POWER LEVEL
-MWE-NET-

1	569.2
2	566.5
3	568.5
4	572.4
5	574.0
6	570.4
7	571.5
8	575.5
9	574.9
10	574.3
11	574.3
12	572.4
13	573.7
14	574.5
15	574.6
16	577.4
17	579.5
18	570.1
19	563.5
20	563.5
21	569.4
22	573.4
23	571.3
24	572.3
25	564.0
26	534.6
27	0.0
28	0.0
29	0.0
30	0.0

727.7
728.5
721.8
724.3
729.5
734.9
733.3
731.8
733.1
736.0
728.7
731.0
730.8
728.5
731.1
735.3
735.7
313.0
0.0
146.3
707.0
733.2
731.7
732.8
728.8
710.0
728.5
736.2
739.8
740.3

SUMMARY OF OPERATING EXPERIENCEMONTH/YEAR September, 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

09-01-84	0000	This reporting period begins with the unit at 80% power (600 MW's).
09-20-84	0815	Commenced plant emergency drill.
	1400	Completed plant emergency drill.
09-26-84	2229	Reactor trip, caused by loss of "C" RCP.
09-27-84	0321	Commenced plant cooldown for refueling outage.
	0936	RCS <350°F/450 psig, RHR in service.
	1530	RCS <200°F.
09-30-84	1700	RCS degassed.
	2400	This reporting period ends with the unit at CSD on RHR.

SUMMARY OF OPERATING EXPERIENCE

MONTH/YEAR September, 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

09-01-84	0000	This reporting period begins with the unit at 100% power (770 MW's).
09-18-84	0750	Commenced plant shutdown at 150 MW's/hr for repair of hole on pipe coming from "A" MSR drain line.
	1347	Unit off the line.
	1423	Reactor shutdown.
09-20-84	0805	Reactor critical.
	1503	Unit on the Line, increasing power at 150 MW's/hr.
	1548	Holding power at 35% (240 MW's) for Chemistry.
	1711	Commenced power increase at 150 MW's/hr.
	1935	Holding power at 75% (540 MW's) due to indicated flux tilt.
	2243	Commenced power increase at 150 MW's/hr.
	2323	Holding power at 89% (680 MW's) due to lowered flux trip setpoints due to indicated flux tilt.
09-21-84	0505	Commenced power increase at 150 MW's/hr. calculated flux tilt less than 2%.
	0615	Unit at 100% power (770 MW's).
09-30-84	2400	This reporting period ends with the unit at 100% power (775 MW's).

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONSMONTH/YEAR September, 1984

The Nuclear Regulatory Commission issued, on June 12, 1984, an Order for Surry Power Station Unit Nos. 1 and 2. The Order is issued to encourage implementation of NUREG - 0737 Supplement 1 items. Effectively immediately, the Order requires that the licensee shall;

"Implement the specific items described in the Attachment to this ORDER in the manner described in the licensee's submittals noted in Section III no later than the dates in the Attachment."

FACILITY CHANGES REQUIRING
NRC APPROVAL

September, 1984

NONE DURING THIS REPORTING PERIOD.

FACILITY CHANGES THAT
DID NOT REQUIRE NRC APPROVAL

September, 1984

		<u>UNIT</u>
<u>DC 82-15</u>	<u>Service Air Additional Capacity</u>	1

This design change connected the spare Service Air Compressor (1-SA-C-2) and Tank (1-SA-TK-2) that was used during SGRP to the existing Service Air System.

Summary of Safety Analysis

This modification does not affect station operation or the operation of any safety related equipment. The Service Air System will have increased capacity and reliability.

TESTS AND EXPERIMENTS REQUIRING
NRC APPROVAL

September, 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

September, 1984

NONE DURING THIS REPORTING PERIOD.

VIRGINIA ELECTRIC AND POWER COMPANY
SURRY POWER STATION
CHEMISTRY REPORT

September 1984

PRIMARY COOLANT ANALYSIS	UNIT NO. 1			UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., $\mu\text{Ci/ml}$	1.67 E+0	1.00 E-1	9.10 E-1	9.99 E-2	5.36 E-3	6.10 E-2
Suspended Solids, ppm	0.0	0.0	0.0	0.0	0.0	0.0
Gross Tritium, $\mu\text{Ci/ml}$	7.20 E-2	5.61 E-2	6.71 E-2	1.90 E-1	7.18 E-2	1.50 E-1
Iodine ¹³¹ , $\mu\text{Ci/ml}$	6.31 E-1	5.50 E-3	7.48 E-2	3.76 E-4	5.42 E-5	1.70 E-4
I ¹³¹ /I ¹³³	0.53	0.18	0.30	0.24	0.06	0.12
Hydrogen, cc/kg	47.7	3.0 ^(B)	20.2	46.3	29.5	37.4
Lithium, ppm (A)	1.86	0.36	0.53	1.44	0.79	0.95
Boron-10, ppm*	205	10	53	142	62	80
Oxygen, (D.O.), ppm	0.600 ^(B)	≤ 0.005	0.029 ^(B)	≤ 0.005	≤ 0.005	≤ 0.005
Chloride, ppm	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02	≤ 0.02
pH @ 25°C	7.22	5.23	6.63	6.68	6.11	6.54

* Boron-10 = Total Boron x 0.196

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

Phosphate	-	Boron	46 (C)
Sulfate	-	Chromate	0.0
50% NaOH	-	Chlorine	-

REMARKS: (A) Lithium additions made to Unit 1: 3250 grams on 9/27, Lithium additions made to Unit 2: 385 grams on 9/18, 300 grams on 9/19, 275 grams on 9/20, 230 grams on 9/21, 145 grams on 9/22; Cation bed placed in service on Unit 1 on 9/25 to determine removal efficiency, placed in service on 9/27 for system cleanup prior to refueling. Cation bed placed in service on Unit 2 on 9/15 and 9/25 for Lithium removal.

(B) Unit 1 degassed and oxygenated for refueling

(C) The levels of these chemicals should produce no adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE
THERMAL DISCHARGE LIMITS WERE EXCEEDED

September, 1984

NONE DURING THIS REPORTING PERIOD.

PROCEDURE REVISIONS THAT CHANGED THE
OPERATING MODE DESCRIBED IN THE PSAR

September, 1984

NONE DURING THIS REPORTING PERIOD.

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

September, 1984

NONE DURING THIS REPORTING PERIOD.

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
FROM 09/27/84 THRU 09/30/84
UNIT 01 SURRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R03	09/28/84	01-GW -	-221 006434	CONNECT SAMPLE TUBING TO 1-GW-221	BUILT SAMPLE TUBING RIG, GAVE TO OPERATIONS TO HOOK UP.

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 09/18/84 THRU 09/21/84
 UNIT 02 SARRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WD NUMBER	WD TITLE	HISTORY SUMMARY
R03	09/21/84	02-MS -	-158	005069 VALVE HAS PACKING LEAK	ADJUSTED PACKING STILL LEAKS AT PACKING GLAND NEEDS REPACKING SUBMITTED WR #098604 TO REPACK
R03	09/19/84	02-SHP-HSS	-31	005270 REFILL RESERVOIR 2-SHP-HSS-31	WORK NOT REQUIRED AS PER ASME SECTION XI FOLLOWER AND D WONG
R03	09/19/84	02-SHP-HSS	-34A	005309 REFILL RESERVOIR 2-SHP-HSS-34A	WORK NOT REQUIRED AS PER ATTACHED ASME SECTION XI FOLLOWER AND D WONG

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
 FROM 09/27/84 THRU 09/30/84
 UNIT 01 SURRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R04	09/29/84	01-RC -	-MISC 003940	ASSIST OPS IN REMOVING VALVES	ASSISTED OPS IN TAKING VALVES OFF BACK SEAT
R04	09/29/84	01-RC -P	-1B 005413	DISASSEMBLE MOTOR AND REASSEMBLE AFTER WESTINGHOUSE REPAIRS	FOUND FITTING LEAKING ON ACID LINE CHECK VALVE TIGHTENED FITTING STOP LEAK
R04	09/29/84	01-SI -MOV	-1869A 006433	ADJUST TORQUE SETTING SO VLV. WILL GO FULL CLOSED. IT HAS EXCESSIVE LEAKAGE AS PER PT 16.4.	RESET TORQUE SWITCH TO SETTING OF 2 FOR CLOSE AND 1 1/2 FOR OPEN DIRECTION WHEN VALVE WAS COMPLETELY CLOSED 1/4" NOTIFIED J SIMPSON

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 09/18/84 THRU 09/21/84
 UNIT 02 SURRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
R04	09/18/84	02-EPH-BKR -25J11	004684	REPLACE PIN AND SPRING	INSTALLED SPRING & REPLACED NEW COTTER PIN SPRING 4604936 PIN 4604937
R04	09/18/84	02-EPH-BKR -25J2	004676	REPLACE PIN AND SPRING	REPLACED COTTER PIN AND INSTALLED NEW SPRING SPRING 4609436 COTTER PIN 4604937
R04	09/18/84	02-EPH-BUS -A	005358	OVERHEATING NORMALGROUND STRAP	CLEANED SURFACE AROUND BUS DUCT STRAPS, INSTALLED SOME NEW STRAPS, FOUND CABLES WITH BAD CONNECTIONS, REMOVED STRAPS & CLEANED CONTACT SURFACE & RE-INSTALLED, TESTED SAT.
R04	09/18/84	02-FW -MOV -251A	002943	REPLACE OVERLOADS WITH SIZE 10	REPLACED OVERLOADS, VALVE CYCLED SAT BY OPS OVERLOAD HEATERS (2) 0735038
R04	09/18/84	02-FW -MOV -251B	002944	REPLACE OVERLOADS WITH SIZE 10	REPLACED OVERLOADS VALVE CYCLED SAT BY OPS OVERLOAD HEATERS (2) 0735038
R04	09/18/84	02-FW -MOV -251D	002946	REPLACE OVERLOADS WITH SIZE 10	REPLACED OVERLOADS VALVE CYCLED SAT BY OPS OVERLOAD HEATERS (2) 0735038
R04	09/18/84	02-FW -MOV -251E	002947	REPLACE OVERLOADS WITH SIZE 10	REPLACED OVERLOADS VALVE CYCLED SAT BY OPS OVERLOAD HEATERS (2) 0735038
R04	09/18/84	02-FW -MOV -251F	002948	REPLACE OVERLOADS WITH SIZE 10	REPLACED OVERLOADS VALVE CYCLED SAT BY OPS OVERLOAD HEATERS (2) 0735038

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING
OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

VEPCO SAFETY RELATED DURING REDUCED POWER SORTED BY UNIT AND DEPARTMENT
 FROM 09/27/84 THRU 09/30/84
 UNIT 01 SURRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
T22	09/27/84	01-RPI-	-J 7 006337	NO ROD BOTTOM LIGHT AFTER TRIP	FOUND RELAY 44 CR STUCK, PULLED RELAY, REINSTALLED, VERIFIED THAT RELAY WAS SEATED PROPERLY IN SOCKET. UPON DOING THIS ROD BOTTOM LIGHT INDICATION RETURNED TO NORMAL
T22	09/27/84	01-VS -S	-1A 005937	CLEAN OUT SENSING LINES	UNPLUG SENSING LINES
T22	09/29/84	01-RC -RV	-551B 005158	SETPOINT LIGHTS ARE ERRATIC.	REPLACED LUMIGRAPH WITH NEWLY CALIBRATED ONE CHECK SAT

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 09/18/84 THRU 09/21/84
 UNIT 02 SURRY

DEPT	RETURNED TO SERVICE	MARK NUMBER	WO NUMBER	WO TITLE	HISTORY SUMMARY
T22	09/19/84	02-RP -TI -412C	005076	LOOP 'A' OVER TEMP DELTA T	CHECKED ISOLATOR AND INDICATOR, FOUND INDICATOR OUT OF ADJUSTMENT, ADJUSTED INDICATOR, CHECKED SAT.
T22	09/21/84	02-FW -FCV -488	005510	CHECK OUT "B" FEEDWATER CONTROL System	ADJUSTED E/P MINOR ADJUST, ADJUSTED SPAN/ZERO ON V/P MINOR PERFORMED PT 2.34 ON B VALVE CLEARED PILOT RELAY OP SAT
T22	09/21/84	02-FW -LI -495	004565	LEVEL INDICATION DRIFTING HIGH	CHECKED XMTR CALIBRATION CHECKED SAT, PT SENT TO ENGINEERING

VIRGINIA ELECTRIC AND POWER COMPANY
RICHMOND, VIRGINIA 23261

W. L. STEWART
VICE PRESIDENT
NUCLEAR OPERATIONS

October 15, 1984

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

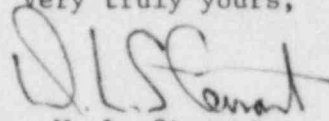
Serial No. 601
NO/JDH:acm
Docket Nos. 50-280
50-281
License Nos. DPR-32
DPR-37

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 September, 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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