VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 84-05

APPROVED BY:_

STATION MANAGER

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OPERATING DATA REPORT

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

OPERATING STATUS

1.	UNIT NAME	SURRY	UNIT 1
2.	REPORTING PERIOD	50184	TO 53184
3.	LICENSED THERMAL POWER (MVT)	2441	
4.	NAMEPLATE RATING (GROSS MWE)	847.5	INOTES
5.	DESIGN ELECTRICAL RATING (NET MWE)	783	
6.	MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	811	
7.	MAXIMUM DEPENDABLE CAPACITY (NET MWE)	775	
8.	IF CHANGES OCCUP 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	3647.0	100295.0
12.	NUMBER OF HOURS REACTOR WAS CRITICAL	602.7	2758.9	61851.8
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	9.3	3774.5
14.	HOURS GENERATOR ON-LINE	602.6	2711.4	60578.6
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	3736.2
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1455181.1	6422658.7	141348963.0
17.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	474055.0	2078725.0	45398568.0
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	450373.0	1974547.0	43052283.0
19.	UNIT SERVICE FACTOR	81.0 0/0		60.4 0/0
20.	UNIT AVAILABILITY FACTOR	81.0 0/0	74.3 0/0	64.1 0/0
21.	UNIT CAPACITY FACTOR (USING MDC NET)	78.1.0/0	69.86 %	55.39 // 0
22.	UNIT CAPACITY FACTOR (USING DER NET)	76.8 0/0	68.71 %	54.480/0
23.	UNIT FORCED OUTAGE RATE	0.0	1.5 0/0	9.0 0/0
24.	SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS			
	'TYPE, DATE, AND DURATION OF EACH)			

25. IF SHUT DOWN AT END OF REPORT PERIOD. 06-05-84 ESTIMATE DATE OF STARTUP

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

INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION

FORECAST ACHIEVED

OPERATING DATA REPORT

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

OPERATING STATUS

1.	UNIT NAME	SURRY	UNIT 2
2.	REPORTING PERIOD	501842	ro53184
3.	LICENSED THERMAL POWER (MWT)	2441	
	NAMEPLATE RATING (GROSS MWE)	847.5	INOTES
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
- 10. REASONS FOR RESTRICTIONS, IF ANY N/A

THIS MONTH YR-TO-DATE CUMULATIVE

11.	HOURS IN REPORTING PERIOD	744.0	3647.0	97175.0
	NUMBER OF HOURS REACTOR WAS CRITICAL	744.0	2907.4	61478.3
13.	REACTOR RESERVE SHUTDOWN HOURS	0.0	23.8	328.1
14.	HOURS GENERATOR ON-LINE	744.0	2758.9	60334.9
15.	UNIT RESERVE SHUTDOWN HOURS	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GENERATED (MWH)	1758692.6	6670989.7	141386862.6
17.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	564495.0	2135980.0	45930839.0
18.	NET ELECTRICAL ENERGY GENERATED (MWH)	535005.0	2023754.0	43530814.0
19.	UNIT SERVICE FACTOR	100.0 0/0	78.39 %	62.1 0/0
20.	UNIT AVAILABILITY FACTOR	100.0 0/0	78.39% .	62.1 0/0
21.	UNIT CAPACITY FACTOR 'USING MDC NET'	92.8 0/0	71.6 0/0	57.8 0/0
22.		91.3 0/0		
23.	UNIT FORCED OUTAGE RATE			
24.	SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS	FALL MAINTEN	ANCE - 11-13	3-84 - 10 DA
	(TYPE, DATE, AND DURATION OF EACH)			

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

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION

PORECAST ACHIEVED

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1984

DOCKET NO. .50-280 UNIT NAME Surry 1 ·DATE _06-07-84 COMPLETED BY Vivian Jones 357-3184 Ext. 477 TELEPHONE

84-6 05-26-84 5 141.4 D 1 Unit was shutdown snubber outage.	
	for scheduled

F: Forced S: Scheduled 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) 11-Other (Explain)

Method:

3

I-Manual

2-Manual Scram.

3-Automatic Scrain.

4-Other (Explain)

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

Exhibit 1 - Same Source

5

(17/17)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1984

50-281 DOCKET NO. UNIT NAME Surry II 06-07-84 ·DATE Vivian Jones COMPLETED BY 357-3184 Ext.477 TELEPHONE

	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor?	Licensee Event Report #	System Cude 4	Component	Cause & Corrective Action to Prevent Recurrence
5-8-84	5	0.0	н	1				Unit was reduced to 57% power (440 mw's) for load following.
5-9-84	5	0.0	н	1				Unit was reduced to 55% power (460 mw's) for load following.
5-10-84	5	0.0	H	1				Unit was reduced to 76% power (600 mw's) for load following.
	5-9-84	5-9-84 5	5-9-84 5 0.0 5-10-84 5 0.0	5-9-84 5 0.0 H 5-10-84 5 0.0 H	5-9-84 5 0.0 H 1 5-10-84 5 0.0 H 1	5-9-84 5 0.0 H 1 5-10-84 5 0.0 H 1	5-9-84 5 0.0 H 1 5-10-84 5 0.0 H 1	5-9-84 5 0.0 H 1 5-10-84 5 0.0 H 1

F: Forced

S: Scheduled

Reason:

A-Equipment Fallure (Explain) B-Maintenance of Test

C-Refueling

D-Regulatory Restriction E-Operator Training & License Examination

F-Administrative

G-Operational Erros (Explain) II-Other (Explain)

Method:

I-Manual

2-Manual Scram.

3-Automatic Scrain.

4 Other (Explain)

Exhibit G - instructions for Preparation of Data Entry Sheets for Licensec Event Report (LER) File (NUREG-01611

5

Exhibit 1 - Same Source

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO.1

MONTH: May 1984

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWE	REASON
	NONE D	URING THIS	REPORTING F	PERIOD		
-						

LOAD REDUCTIONS DUE TO ENVIRONMENTAL RESTRICTIONS

UNIT NO. 2

MONTH: May 1984

DATE	TIME	HOURS	LOAD, MW	REDUCTIONS, MW	MWH	REASON
	NONE I	URING THI	s REPORTING	PERIOD		
				1		

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MAY

84

			AVERAGE DAILY POWER LEVEL
DAY	(MWE-NET)	DAY	(MWE-NET)
1	758.3	17	747.6
2	757.1	18	750.8
3	756.5	19	750.3
4	757.5	20	749.5
5	754.1	21	750.2
6	752.3	22	749.2
7	752.0	23	749.5
8	750.3	24	747.0
9	749.5	25	726.3
10	750.3	26	19.2
11	749.9	27	0.0
12	749.7	28	0.0
13	749.7	29	0.0
14	751.2	30	0.0
15	749.7	31	0.0
16	738.2		

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.

AVERAGE DAILY UNIT POWER LEVEL

MONTH: MAY	84			
L	DAY	VERAGE DAILY POWER LEVEL (MWE-NET)	DAY	AVERAGE DAILY POWER LEVEL (MWE-NET)
	1	661.3	17	745.0
	2	662.9	18	748.2
	3	621.5	19	747.0
	4	606.8	20	745.3
	5	727.1	21	744.3
	6	738.2	22	743.1
	7	734.1	23	742.2
	8	702.5	24	738.6
	9	661.6	25	740.2
	10	660.5	26	732.0
	11	698.0	27	731.9
	12	740.2	28	734.9
	13	740.8	29	741.1
	14	742.1	30	739.4
	15	740.0	31	742.0

DAILY UNIT POWER LEVEL FORM INSTRUCTIONS

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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.

739.4

SUMMARY OF OPERATING EXPERIENCE

May, 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 1
05-01-84	0000	This reporting period begins with the unit at 100% power (795 mw's).
05-16-84	0900	Power reduced to 90% power (705 mw's) due to loss of "A" high pressure drain pump.
	0958	Increasing power slowly while adjusting various level control valves on FW heaters.
	1505	Unit at 100% power (795 mw's).
05-25-84	2111	Commenced unit rampdown at 150 mw/hr for snubber outage
05-26-84	0235	Generator off the line
	0242	Rx shutdown
	1020	RCS < 350°F/450 psig
	1800	RCS < 200°F
	2051	RCS is degassed
05-31-84	2400	This reporting period ends with the RCS < 200°F,

preparing to fill and vent the primary.

SUMMARY OF OPERATING EXPERIENCE

May, 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 II

		Unit 11
05-01-84	0000	This reporting period begins with unit at 90% power (700 mw's), evaluating sixth point feedwater problems.
05-03-84	0435	Power reduced to 83% power (660 mw's) to allow removal of fifth and sixth point heaters from service
05-04-84	1435	The fifth and sixth point heaters are returned to service, commenced a 3%/hour ramp up.
	2110	Unit at 100% power (775 mw's)
05-08-84	0110	Commenced ramp down for load follow
	0210	Holding at 650 mw's, 81% power
	0503	Commenced ramp up at 1540 mw/hr then continue at 3%/hr.
	1000	Unit at 100% power (780 mw's)
	2356	Commenced ramp down for load follow
05-09-84	0150	Holding at 57% power (440 mw's)
	0528	Commenced ramp up at /hr to 720 mw's then continue at 3%/hr.
	0845	Unit at 100% power (780 mw's)
	2259	Commenced ramp down for load follow.
05-10-84	0037	Holding at 55% power (460 mw's).
	0500	Commenced ramp up at 150 mw's/hr.
	0706	Unit at 100% power (775 mw's)
	2340	Commenced ramp down for load follow
05-10-84	0037	Holding at 55% power (460 mw's)
	0500	Commenced ramp up at 150 mw's/hr.
	0706	Unit at 100% power (775 mw's)
	2340	Commenced ramp down for load follow.

SUMMARY OF OPERATING EXPERIENCE

May 1984 Unit II (continued)

05-11-84	0054	Holding at 76% power (600 mw's)
	0404	Commenced ramp up at 150 mw/hr
	0557	Unit at 100% power (780 mw's)
05-31-84	2400	This reporting period ends with the unit at 100% power (780 mw s)

AMENDMENTS TO FACILITY LICENSE OR TECHNICAL SPECIFICATIONS

The Nuclear Regulatory Commission issued, on April 20 1984, Amendment Nos. 96 and 95 for Surry Power Station, Unit 1 and 2, respectively. These amendments revise the Technical Specifications to change Specification 4.18.B.1.F(2) to provide the fire pump system head at 231 feet instead of 250 feet to reflect pump design concitions.

PACILITY CHANGES REQUIRING NRC APPROVAL

NONE DURING THIS REPORTING PERIOD

PACILITY CHANGES THAT DID NOT REQUIRE NRC APPROVAL

April, 1984

DC 84-14 RHR Heat Exchanger Support Modification 2

This design change removed 4 snubbers on top of the RHR Heat Exchangers in Unit 2. The snubbers were 2½ inch Lymair hydraulic snubbers with a 6 inch stroke. The existing snubbers were determined to be unnecessary and were replaced with struts.

Summary of Safety Analysis

The modification will increase the designed seismic safety margin of the RHR Heat Exchangers and System. The reduction of the number of snubbers will also decrease the number that must be inspected/maintained, thus decreasing personnel radiation exposure and work hazards.

DC 84-15 RHR Heat Exchanger Support Modification

This design change removed 4 snubbers on top of the RHR Heat Exchangers in Unit 1. The snubbers were $2\frac{1}{2}$ inch ITT Grinnell hydraulic snubbers with Lynair cylinders having a 6 inch stroke. The existing snubbers were determined to be unnecessary and were replaced with struts.

Summary of Safety Analysis

(Same as 84-14)

DC 81-105 Class IE Motor Operated Valve (MOV) Actuator Replacement

This design change removed the existing MOV actuators, located inside the containment, from service and replaced them with equivalent actuators which have adequately demonstrated environmental qualification. The remaining non-qualified actuators, located outside the containment, were converted to meet the requirements.

Summary of Safety Analysis

The modification will provide additional assurance that the MOV's will perform their intended safety function during and following any postulated LOCA or HELB accident.

DC 83-26 Timing Circuitry for Reactor Trip Breaker

This design change permanently installed test circuitry to measure the time response of the reactor trip breaker to a trip signal.

Summary of Safety Analysis

The permanent installation of cables and test connections will minimize the chance for errors and improve the overall safety of personnel and equipment.

PACILITY CHANGES THAT DID NOT REQUIRE NRC APPROVAL

May, 1984

DC 82-11A Redundant Control Room Habitability Redundant 1+2

Control Room Bottled Air Supply System

The existing control room bottled air system could not be modified practically to make the system single-failure proof. A redundant control room bottled air system was installed in parallel with the existing system to meet a NRC commitment.

Summary of Safety Analysis

The addition of a redundant bottled air supply system improves the capability for pressurizing the control room.

DC 81-50 Installation of Time Delay on the Output 1+2

Breaker of EDG's

This design change added a timer in the EDG breaker control circuit to prevent automatic closing of this breaker for two seconds after detection of loss of voltage on the emergency buses. It will allow sufficient time for degrading of the residual voltage.

Summary of Safety Analysis

The modification will assure the residual voltage on the emergency bus has decayed before closing the EDG output breaker. The possibility of damaging safety related equipment is reduced and therefore will improve the operation of the plant.

TESTS AND EXPERIMENTS REQUIRING NRC APPROVAL

NONE DURING THIS REPORTING PERIOD

TESTS AND EXPERIMENTS THAT DID NOT REQUIRE NRC APPROVAL

NONE DURING THIS REPORTING PERIOD

OTHER CHANGES, TESTS AND EXPERIMENTS

NONE DURING THIS REPORTING PERIOD

VIRGINIA ELECTRIC AND POWER COMPANY SURRY POWER STATION CHEMISTRY REPORT

May 19 84

PRIMARY COOLANT ANALYSIS	יט	NIT NO.	1	UNIT NO. 2		
	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM	AVERAGE
Gross Radioact., wCi/ml	1.87°	8.21-2	1.28	1.33	4.76-2	8.84-2
Suspended Solids, ppm	0.0	0.0	0.0	0.0	0.0	0.0
Gross Tritium, uCi/ml	8.62-2	6.35-2	7.59-2	1.49	1.11-2	4.96-2
Iodine 131, uCi/ml (A)	1.34°	2.55-2	3.01-1	5.93-4	6.42-5	1.72-4
1 ¹³¹ /1 ¹³³	.74	.23	.51	.28	.06	.15
Hydrogen, cc/kg	36.7	4.6 (A)	22.9	44.4	28.3	35.0
Lithium, ppm	2.04	.77	.89	1.32	1.09	1_21
Boron-10, ppm*	266	38	91	130	107	116
Oxygen, (D.O.),ppm	(A) 0.30	<.005	0.014	<.005	<.005	<.005
Chloride, ppm	<.02	<.02	<.02	<.02	<.02	<.02
он е 25°C	7.05	6.26	6.87	6.75	6.60	6.66

^{*} Boron-10 = Total Boron x 0.196

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

Phosphate - Boron 1545
Sulfate - Chromate 0.0
50% NaOH - Chicine -

REMARKS: (A) Unit 1 shutdown 5/25/84 for maintenance. (B) Lithium additions - Unit 1: 130 cms. 5/16; 1840 cms. 5/26. Lithium additions - Unit 2: 162 cms. 5/8; 210 cms. 5/10 150 cms 5/11; 140 cms 5/16. Cation bed in service for lithium removal - Unit 2: 5/6, 5/7, 5/14, 5/15, 5/19, 5/22 and 5/29. (C) The levels of these chemicals should create no adverse environmental impact.

DESCRIPTION OF ALL INSTANCES WHERE THERMAL DISCHARGE LIMITS WERE EXCEEDED

NONE DURING THIS REPORTING PERIOD

FUEL HANDLING

UNIT + 1

DATE IPPED/RECEIVED	NO. OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPTING CASK ACTIVITY LEVEL		
5-7-84	14	5E3/3.67	<2.5 mr/hr		
5-7-84	14	5E5/3.6%	<2.3 mr/hr		
5-7-84	14	0E2/3.67	<2.5 mr/hr		
5-7-84	14	2EO/3.6%	<2.5 mr/hr		
5-7-84	14	2E8/3.6%	<2.5 mr/hr		
5-7-84	14	3E8/3.6%	<2.5 mr/hr		
5-7-84	14	584/3.6%	<2.5 mr/hr		
5-7-84	14	2E7/3.6%	<2.5 mr/hr		
5-7-84	14	0E5/3.61	<2.5 mx/hr		
5-7-84	14	0E6/3.6%	<2.5 mr/hr		
5-7-84	14	2E9/3.6%	<2.5 mr/hr		
5-7-84	14	5E1/3.6%	<2.5 mr/hr		
5-7-84	14	3E9/3.6%	(2.5 mr/iir		
5-7-84	14	5E2/3.6%	<2.5 mr/hr		
5-9-84	14	OE4/3.6%	<2.5 mr/hr		
5-9-84	14	1E3/3.6%	<2.5 mr/hr		
5-9-84	14	4E7/3.6%	<2.5 mr/ar		
5-9-84	14	4E4/3.6%	<2.5 mr/hr		
5-9-84	14	3E3/3.6%	<2.5 h-/hr		
5-9-84	14	2E1/3.6%	<2.5 mr/hr		
5-9-84	14	088/3.67	<2.5 mr/hr		
5-9-84	14	OE3/3.6%	<2.5 mr/hr		
5-9-84	14	1E2/3.6%	<2.5 mr/hr		
5-9-84	14	0E7/3.6%	<2.5 mr/hr		
5-9-84	14	4E5/3.6%	<2.5 \ur/hr		

FUEL HANDLING

UNIT # __1__

DATE IPPED/RECEIVED	NO. OF ASSEMBLIES PER SHIPMENT	ANSI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASK ACTIVITY LEVE
5-9-84	14	3E1/3.6%	<2.5 mr/hr
5-9-84	14	4E6/3.6%	<2.5 mr/hr
5-9-84	14	1E5/3.6%	<2.5 mr/hr
5-14-84	14	4E3/3.6%	<2.5 mr/hr
05-14-84	14	OE1/3.6%	<2.5 mr/hr
05-14-84	14	3E5/3.6%	<2.5 mr/hr
05-14-84	14	4E0/3.6%	<2.5 mr/hr
05-14-84	14	4E2/3.6%	<2.5 mr/hr
05-14-84	14	3E6/3.6%	<2.5 mr/hr
05-14-84	14	2E5/3.6%	<2.5 mr/hr
05-14-84	14	4E1/3.6%	<2.5 mr/hr
05-14-84	14	OE9/3.6%	<2.5 mr/hr
05-14-84	14	2E2/3.6%	<2.5 mr/hr
05-14-84	14	3E7/3.6%	<2.5 mr/hr
05-14-84	14	4E9/3.6%	<2.5 mr/hr
05-14-84	14	1E9/3.6%	<2.5 mr/hr
05-14-84	14	3E2/3.6%	<2.5 mr/hr
•			
		Man Juliane	

FUEL HANDLING

UNIT # 2

DATE HIPPED/RECEIVED	NO. OF ASSEMBLIES PER SHIPMENT	ANGI NO. INITIAL ENRICHMENT	NEW OR SPENT FUEL SHIPPING CASE ACTIVITY LEVE
	None during this reporting	period	
	The second secon		Annual Control of the

PROCEDURE REVISIONS THAT CHANGED THE OPERATING MODE DESCRIBED IN THE FSAR

NONE DURING THIS REPORTING PERIOD

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

NONE DURING THIS REPORTING PERIOD

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

MECHANICAL MAINTENANCE

MONDAY, & JUN 84 . 7:10 AH PAGE &

DEPT: MECH

RETSERVOT SYS COMP MARKED SUMMARY
WXPSRP

05/28/84 MS PIPE TV-MS-101C REROUTE GLAND LEAK OFF
INSPECTED AND FOUND RATCHET TIPE 305061414
05/28/84 MS PIPE TV-MS-1018 REROUTE GLAND LEAK OFF
INSPECTED AND FOUND RATCHET TIPE 305061415

05/30/84 CS VALVE 1-CS-7 - CHECK VALVE 308052018 VALVE SEAT BANGING FOUND 05/30/84 CC SNUBBER 1-CC-HSS-332A REFILE RESERVOIR TO 90 PERCENT REPIGLED RESERVOIR TO 90 PERCENT -- 405251311-05/30/84 CC SNUBBER 1-CC-HS3-331 REFILL RESERVOIR TO 90 PERCENT REPILLED SNUBBER TO 90 PERCENT 405251310 05/30/84 CC SNUBBER 1-CC-BSS-332B REFILL RESERVOIR TO 90PERCENT ... REFILLED RESERVOIR TO 90 PERCENT 405251312 05/30/84 HSS SNUBBER 1-HSS-SHP-22 FILL RESERVOIR TO 90 PERCENT REFILLED RESERVOIR TO 100 PERCENY 405251314 ----05/30/94 HSS SNUBBER 1-HSS-SHP-1A FILL RESERVOIR TO 100 PERCENT REFILLED RESERVOIR TO 100 PERCENT 405251315 05/30/84 HSS SNUBBER 1-HSS-SHP-18 FILL RESERVOIR TO 100 PERCENT REFILLED RESERVOIR TO 100 PERCENT 405251316 05/30/84 CC SNUBBER 1-CC-HSS-302 REFILL PLUID RESERVOIR REFILLED RESERVOIR TO 90 PERCENT 405251317 05/30/84 CC SNUBBER 1-CC-HSS-330 REFILL RESERVOIR TO 90 PERCENT REFILLED SNUBBER TO 90 PERCENT 405251309 05/30/84 HS SNUBBER 1-SHP-HSS-30 FILL SMURBER RESER FILLED RESERVOIR TO 90 PERCENT 405261350 05/30/84 CC SNUBBER 1-CC-HSS-60A REFILL RESERVOIR TO 90 PERCENT REPILLED RESERVOIR TO 90 PERCENT 405251307 05/30/84 HSS SJUBBER 1-SHP-HSS-35B FILL SNUBBER RESER FILLED RESERVOIR TO 90 PERCENT 405261351 05/31/84 MS VALVE 1-MS-TV-109 VALVE NEEDS REPACKING REPACKED VALVE WITH 405190107 05/3:/84 SW PIPE REPLACE PIPE 3-WS-53-136 CUT OLD THREADOLET OFF 405240954 05/.1/84 HSS SNUBBER 1-RSS-WFPD-3 FILL RESERVOIR/TIGHTEN FITTINGS FILLED RESERVOIR TO 90 PERCENT 405282253 05/31/84 RSS SNUBBER 1-HSS-SHP 35B REMOVE REMOTE RESERVOIR

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MONDAY, & JUN 84 . 7:10 M PAGE 5

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MAINTENANCE OF SAFETY RELATED SISTEMS DURING OUTAGE OR REDUCED POWER PERIODS UBIT: 1

DEPT: MECH

REMOVE REMOTE RESERVOIR

SUMMARY MARKRO RETSERVOT SYS COMP MR WKPERF 404221709 REMOVE REMOTE RESERVOIR 05/31/84 HSS SNUBBER 1-HSS-SHP-68 FILL RESERVOIR TO 90 PERCENT 405282256 ED RESERVOIR TO 90 PERCENT BODY TO BONNET LEAK D5/31/84 MS VALVE 1-MS-104 405210140 REPLACED BONNET GASKET RE-TORQUE CAP STUDS TO 150 05/31/84 FW VALVE 1-FW-27 RETORQUED CAP STUDS TO ASO PT LBSS 405270825 D5/31/84 HSS SNUBBER 1-HSS-1APD-140 TIGHTEN FITTING/FILL RESERVOIR 405281908 TIGHTENED FITTING AND 05/31/84 HSS SNUBBER 1-HSS-WAPDIA TIGHTEN PITTING/FILL RESERVOIR 405281907 05/31/84 HSS SNUBBER 1-HSS-WFPD-1 FILL PLUID RESERVOIR TO 90 PERCENT 405282252 FILLED RESERVOIR TO 90 PERCENT 05/31/84 HSS SNUBBER 1-RSS-SHP-29 REMOVE REMOTE RESERVOIR

404221708

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MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

MECHANICAL MAINTENANCE

05/09/84 BD VALVE 2-80-52 REINJECT UPSTREAM SIDE OF VALVE PURMANITE KILD VALVE 405040710

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

ELECTRICAL MAINTENANCE

DEPT: ELEC

RETSERVOT SIS COIP MARKNO SUMMARI WKPERP

MEEDS OIL 05/28/84 RH PUMP 1-RH-P-18 405090745 ADD OIL TO RHR B COMPLETE 1-RC-HCV-1536C DISCONNECT/RECONNECT FOR NAINT. 05/29/84 RC VASVE 405031206 REPLACED SOV AS PER 05/29/84 FW AGASTAT 1-FW-MOV-151F REPLACE AGASTAT RELAT REPLACED AGASTAT AND CONNECTED __ 405251150 05/29/84 PW AGASTAT 1-PW-MOV-1518 REPLACE AGASTAT RELAT REPLACED AUGASTAT AND CONNECTED 405251149 05/29/84 PW ACASTAT 1-PW-MOV-151D REPLACE AGASTAT RELAT REPLACED OLD AGASTAT WITH NEW ONE 405251148 05/29/84 FW AGASTAT 1-FW-MOV-1518 REPLACE AGASTAT RELAY REPLACED OLD AGASTAT WITH NEW 405251146. 05/29/84 PW AGASTAT 1-FW-MOV-151C REPLACE AGASTAT RELAT REPLACED AGASTAT AND CONNECTED 405251147 05/29/84 FW AGASTAT 1-FW-MOV-151A REPLACE AGASTAT RELAY 405251145 REPLACED AGASTAT WITH NEW 1-SS-HCV-101A VALVE INDICATOR STUCK 05/30/84 SS VALVE CYCLED VALVE ELECTRICALLY PROM 405211108 -105/31/84 RP CONNECT 1-RP-IRPI-D4 CHECK ALL CONNECTORS FOUND BENT PIN AT PLUG CONNECTION 405241308

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

ELECTRICAL MAINTENANCE

MONDAY & JUN 84 . 7:10 AM PAGE S

	MONDAY.	* 30% 64 - 1110 AA 1200 3
MAINTENANCE OF SAFETI	RELATED SISTEMS DURING URIT: 2	G OUTAGE OR REDUCED POWER PERIODS
DEPT: ELEC RETSERVOT SIS COMP WKPERP	MARKNO SUMMA	A RT MR
05/03/94 EPDC TRANSPM REPLACED TRANSPORMERS	N/A INSPEC	ECT SOLA TRANSFORMER II-I

05/08/84 EPDC CHARGER	281 AC INPUT BRK FOUND TRIPPED
DECET REFAKER AS REQUEST	TED 405061207
05/08/84 CC PUMP	2-CC-P-28 ELEC DISCOMBET AND RECOMBET
DISCONN+RECONN MOTOR	2-RPL-2HI-214 RESET HARD TO OPERATE
05/09/84 BPL BREAKER	2-8P6-2H1-214 RESET HARD TO OFFINAL 405080431
REPAIRED RESET BUTTON	281 BALANCE LOADS 281+BATT CHG
D5/09/84 EPDC BATT	CHARCER HOSORIGAN
BALANCED LOAADS ON BATT	2-CH-P+1B INSP'CT INSULATION AT NOTOR
05/11/84 CH PUMP	

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MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 1

INSTRUMENT MAINTENANCE

MONDAY, & JUN 84 . 7:10 AM PACE 7

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RETSERVOT STS COMP	SYS	COMP	MARKRO	SUMMARY
05/29/84 88	88	INDICAT	1-28-7X-2A	VILL NOT INDICATE FRUTER USTON
TICHTENED ALL PITTINGS	ALL I	MONITOR	1-RC-RMS-159	PILTER FAULT ACTIVITY DECREASES
	ROKEN	TAKEUP		405230415
05/30/84	22	RE SWITCH	**	SETPOINT MEEDS AUTOSINGHI
A DJUSTED PRESSURE SWITCH	RESSU	SWITCH	1-RC-CT-456	CHANNEL IN TEST SWITCH IS ERRAATIC
PELACED TEST SWITCH AND	EST SW	VALVE	VERIFIED	ROSIMIOUS VALVE INTERMITTENLY OSCILLATING
PERFORMED CALIBRATION	CALI	BRATION O		404262248
05/31/84 RM MONITOR 1-RM-	RM	MONITOR	RMS-161	#05100302

MAINTENANCE OF SAFETY RELATED SYSTEMS DURING OUTAGE OR REDUCED POWER PERIODS

UNIT NO. 2

INSTRUMENT MAINTENANCE

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

DEPT: INST

MARKNO	SUMMARY MR	
2-00-219	NEEDS CLASS OR NEW GAUGE	
	404210818	
2-NI-2-438	CALIBRATE METER	-
	404210700	
2-CH-P-18	2A CHG PUMP AUX OIL PUMP	
	-211160419	-
	REPLACE INK PAD	
	405090501	
P 2- PM- PR-250	CLEAN POINT CONTACTS	
	405090500	
	2-CC-219 2-NI-2-438 2-CH-P-18	### 2-CC-219 ### NBEDS CLASS OR NEW GAUGE ### 104210818 2-NI-2-438 CALIBRATE METER #### 104210700 2-CH-P-18 24 CHG PUMP AUX OIL PUMP 211160419 ###################################

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HEALTH PHYSICS

May, 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 10CFR2G.

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

No.	Unit	<u>Title</u>	Date Deviated	Date Req. By SNSOC
MMP-C-HSS-023	1,2	Corrective Maintenance for 8" x 10" Grinnell Hydraulic Suppressors Dual Bleed Orifice	04-02-84	05-03-84
PT 16.4	1	Containment Isolation Valve Leakage (Type C Testing)	04-20-84 04-21-84	05-10-84 05-10-84
PT-18.6	2	Monthly Testing of Related MOV's	04-03-84 04-06-84	05-03-84 05-03-84
OP-1B	1	Containment Checklist	04-16-84	05-03-84

VIRGINIA ELECTRIC AND POWER COMPANY RICHMOND, VIRGINIA 23261

W. L. STEWART VICE PRESIDENT NUCLEAR OPERATIONS

June 14, 1984

Mr. N. M. Haller, Director Office of Management and Program Analysis U. S. Nuclear Regulatory Commission Washington, D. C. 20555 Serial No. 347 NO/DWL:acm Docket Nos. 50-280 50-281 License Nos. DPR-32 DPR-37

Dear Mr. Haller:

Enclosed is the Monthly Operacing Report for Surry Power Station Unit Nos. 1 and 2 for the month of May, 1984. Also enclosed is a corrected page (p.14) from the April, 1984 report.

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 (1 copy) NRC Resident Inspector Surry Power Station

