

VIRGINIA ELECTRIC AND POWER COMPANY

SURRY POWER STATION

MONTHLY OPERATING REPORT

REPORT NO. 80-09

SEPTEMBER, 1980

APPROVED:


MANAGER

8010200 392

<u>Section</u>	<u>Page</u>
Operating Data Report - Unit #1	1
Operating Data Report - Unit #1 (APRIL CORRECTED REPORT)	2
Operating Data Report - Unit #1 (MARCH CORRECTED REPORT)	3
Operating Data Report - Unit #2	4
Unit Shutdowns and Power Reductions - Unit #1	5
Unit Shutdowns and Power Reductions - Unit #2	6
Load Reductions Due to Environmental Restrictions - Unit #1	8
Load Reductions Due to Environmental Restrictions - Unit #2	9
Average Daily Unit Power Level - Unit #1	10
Average Daily Unit Power Level - Unit #2	11
Summary of Operating Experience	12
Amendments to Facility License or Technical Specifications	14
Facility Changes Requiring NRC Approval	15
Facility Changes That Did Not Require NRC Approval	15
Tests and Experiments Requiring NRC Approval	16
Test and Experiments That Did Not Require NRC Approval	16
Other Changes, Tests and Experiments	17
Chemistry Report	18
Description of All Instances Where Thermal Discharge Limits Were Exceeded	19
Fuel Handling	20
Procedure Revisions That Changed The Operating Mode Described In The FSAR	22
Description of Periodic Tests Which Were Not Completed Within The Time Limits Specified In Technical Specifications	23
Inservice Inspection	24
Reportable Occurrences Pertaining to Any Outage or Power Reductions	26
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Mechanical Maintenance	27
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Mechanical Maintenance	31

<u>Section</u>	<u>Page</u>
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Engineering	33
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Electrical Maintenance	35
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Electrical Maintenance	37
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #1 - Instrument Maintenance	39
Maintenance of Safety Related Systems During Outage or Reduced Power Periods - Unit #2 - Instrument Maintenance	41
Health Physics	43
Procedure Deviations Reviewed By Station Nuclear Safety and Operating Committee After Time Limits Specified In Technical Specifications	44

OPERATING DATA REPORT

DOCKET NO. 50-280
DATE 09 OCT 80
COMPLETED BY SUE D. DUNN
TELEPHONE 804-357-3184

OPERATING STATUS

1. UNIT NAME	SURRY UNIT 1		
2. REPORTING PERIOD	090180 TO 093080		
3. LICENSED THERMAL POWER (MWT)	2441		
4. NAMEPLATE RATING (GROSS MWE)	847.5	NOTES	
5. DESIGN ELECTRICAL RATING (NET MWE)	822		
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE)	740		
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE)	704		
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	720.0	6575.0	68159.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL	324.2	3786.9	42538.5
13. REACTOR RESERVE SHUTDOWN HOURS	0.0	182.6	3731.5
14. HOURS GENERATOR ON-LINE	323.7	3763.8	41668.8
15. UNIT RESERVE SHUTDOWN HOURS	0.0	183.6	3736.2
16. GROSS THERMAL ENERGY GENERATED (MWH)	618659.0	8674529.0	96389401.0
17. GROSS ELECTRICAL ENERGY GENERATED (MWH)	173010.0	2621245.0	31301743.0
18. NET ELECTRICAL ENERGY GENERATED (MWH)	160829.0	2473025.0	29699924.0
19. UNIT SERVICE FACTOR	45.0 %	57.2 %	61.1 %
20. UNIT AVAILABILITY FACTOR	45.0 %	60.0 %	66.6 %
21. UNIT CAPACITY FACTOR (USING MDC NET)	31.7 %	53.4 %	61.9 %
22. UNIT CAPACITY FACTOR (USING DER NET)	27.2 %	45.8 %	53.0 %
23. UNIT FORCED OUTAGE RATE	0.0 %	39.1 %	26.4 %
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH)			
25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATE DATE OF STARTUP	September 1, 1981		
26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION)	FORECAST ACHIEVED		

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION