

ATTACHMENT I  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50/395

UNIT V.C. Summer I

DATE 12-08-82

COMPLETED BY G.J. Taylor

TELEPHONE (803) 345-5209

MONTH NOVEMBER 1982

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>5</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>29</u>
18	<u>0</u>
19	<u>14</u>
20	<u>5</u>
21	<u>2</u>
22	<u>30</u>
23	<u>91</u>
24	<u>123</u>
25	<u>115</u>
26	<u>152</u>
27	<u>143</u>
28	<u>170</u>
29	<u>156</u>
30	<u>0</u>
31	<u>N/A</u>

ATTACHMENT II  
OPERATING DATA REPORT

DOCKET NO. 50/395  
UNIT V.C. Summer I  
DATE 12-08-82  
COMPLETED BY G.J. Taylor  
TELEPHONE (803) 345-5209

OPERATING STATUS

1. REPORTING PERIOD: NOVEMBER 1982 GROSS HOURS IN REPORTING PERIOD: 720  
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2775 MAX. DEPEND. CAPACITY (MWe-Net): N/A  
DESIGN ELECTRICAL RATING (MWe-Net): 900  
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): N/A (50% MWt)

4. REASONS FOR RESTRICTION (IF ANY):

The Operating License allows operations to  
50% MWt for power operations testing.

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL .....	<u>484.3</u>	<u>655.7</u>	<u>655.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS .....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE .....	<u>192.3</u>	<u>192.3</u>	<u>192.3</u>
8. UNIT RESERVE SHUTDOWN HOURS .....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH) .....	<u>143,789</u>	<u>144,802</u>	<u>144,802</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) .....	<u>30,567</u>	<u>30,567</u>	<u>30,567</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH) .....	<u>24,839</u>	<u>24,839</u>	<u>24,839</u>
12. REACTOR SERVICE FACTOR .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
13. REACTOR AVAILABILITY FACTOR .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
14. UNIT SERVICE FACTOR .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
15. UNIT AVAILABILITY FACTOR .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
16. UNIT CAPACITY FACTOR (Using MDC) .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
18. UNIT FORCED OUTAGE RATE .....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

D-3 Steam Generator Modification -- March 1983, through May, 1983

20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u>10-20-82</u>	<u>10-22-82</u>
INITIAL ELECTRICITY	<u>11-17-82</u>	<u>11-16-82</u>
COMMERCIAL OPERATION	<u>--</u>	<u>--</u>

Director, Office of Management and  
Program Analysis  
Page 4  
December 8, 1982

ATTACHMENT III

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50/395

UNIT NAME V.C. Summer I

DATE 12-08-82

COMPLETED BY G. J. Taylor

TELEPHONE (803) 345-5209

REPORT MONTH NOVEMBER 1982

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON (1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER (2)	CORRECTIVE ACTIONS/COMMENTS
N/A	821116	S	382.0	H	4	Initial Plant Start-up Testing
1	821117	F	54.7	G	3	1) Reactor trip due to low-low level in Steam Generator "B".
2	821119	S	14.0	H	2	2) Tripped reactor while performing control room evacuation test.
3	821120	F	19.3	G	3	3) Reactor trip due to low-low level in all Steam Generators.
4	821121	S	12.3	H	4	4) Tripped reactor while performing Station Blackout Test.
5	821122	F	18.5	G	3	5) Reactor trip due to low level in Deaerator tank, caused main feed-water pumps to trip causing turbine to trip, in turn tripping reactor.
6	821129	F	26.9	G	3	6) Reactor trip due to low-low level in B Steam Generator while performing Steam Generator level test.

ATTACHMENT IV  
NARRATIVE SUMMARY OF OPERATING EXPERIENCE

The Nuclear Regulatory Commission granted Virgil C. Summer Nuclear Station Unit No. 1 permission to allow testing and operations to a 50% MWth power level at 1821 hours November 12, 1982. Immediately thereafter, commencement of the power ascension testing program took place. At 2200 hours November 16, 1982, Virgil C. Summer Nuclear Station was synchronized to the grid at a 10% power level and produced its first electricity.

A reactor trip occurred at 0420 hours November 4, 1982, from 0% power. The trip was due to a low-low level in Steam Generator "B" while in manual control.

On November 11, 1982 at 1100 hours, problems were encountered in the operation of Main Feedwater Isolation Valve "A". Then the Plant was subsequently shut down for corrective action. It was determined later that a redundant solenoid was faulty. It was replaced, and the valve was put back into service. The valve was considered to have been Technical Specification operable during the duration of this condition.

A reactor trip occurred at 0315 hours November 13, 1982, from 2% power. The trip was due to low feedwater flow to "C" Steam Generator. This occurred due to a steam flow noise spike on Steam Generator "C" steam flow instrumentation, while testing N-41 Nuclear Instrumentation.

A reactor trip occurred at 2011 hours November 13, 1982, from 2% power. This trip was due to low-low level in Steam Generator "C". Feedwater was in manual control, and feedwater was isolated due to high flow through the feedwater bypass valve. Steam Generator level decreased before operator could recover.

A reactor trip occurred at 1444 hours November 17, 1982, from 2% power. The trip was due to low-low level in Steam Generator "B" while transferring emergency feedwater flow to main feedwater flow.

A reactor trip occurred at 2138 hours November 17, 1982, from 3% power. The trip was due to low-low level in Steam Generator "A".

A reactor trip occurred at 0030 hours November 19, 1982, from 6% power. The trip was due to low-low level in Steam Generator "C".



ATTACHMENT IV Continued

At 2315 hours November 19, 1982, a control room evacuation test was conducted which resulted in a manual trip of the plant. Control of the plant was satisfactorily maintained while away from the Control Room.

A reactor trip occurred at 0450 hours November 20, 1982, from 2% power. The trip, which was due to Steam Generator Low-Low Level, occurred while attempting to transfer feedwater flow from emergency to main feedwater flow.

A reactor trip occurred at 1626 hours November 20, 1982, from 12% power. The trip was due to low-low level in all steam generators. Feedwater Isolation Valves A, B, and C tripped when feedwater temperature dropped below 225°F. The feedwater temperature decrease was due to a flow transient in the deaerator tank which caused a cooldown in feedwater.

A reactor trip occurred at 0457 hours November 21, 1982, from 1% power. The trip, which was due to Steam Generator Low-Low Level, occurred while warming up main feedwater lines and transferring feedwater flow from emergency to main feedwater flow.

At 1419 hours November 21, 1982, a Station Blackout Test was conducted which resulted in a plant trip. The plant performed as expected, and the test was satisfactorily completed.

A reactor trip occurred at 1059 hours November 22, 1982, from 21% power. The trip was a result of a feedwater pump trip due to low-low deaerator tank level, while attempting to transfer to main feedwater valves. The feedwater booster pump and feedwater pumps tripped from low level in the deaerator storage tank. This caused the main turbine to trip, subsequently causing the reactor to trip when power level is greater than 10%.

A reactor trip occurred at 2008 hours November 29, 1982, from 30% power. The trip was due to low-low level in Steam Generator "B". The trip occurred while performing a Steam Generator level test due to a sticking feedwater regulator valve.

Virgil C. Summer Nuclear Station is presently continuing power ascension testing to a 50% MWth power level.