

# OPERATING DATA REPORT

DOCKET NO. 50-334  
 DATE July 5, 1984  
 COMPLETED BY J. L. Holtz  
 TELEPHONE 412-643-1369

## OPERATING STATUS

1. Unit Name: Beaver Valley Power Station, Unit #1
2. Reporting Period: June 1984
3. Licensed Thermal Power (MWt): 2660
4. Nameplate Rating (Gross MWe): 923
5. Design Electrical Rating (Net MWe): 835
6. Maximum Dependable Capacity (Gross MWe): 860
7. Maximum Dependable Capacity (Net MWe): 810
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4,367	71,591
12. Number Of Hours Reactor Was Critical	650.2	4,085.7	34,965.1
13. Reactor Reserve Shutdown Hours	0	0	4,482.8
14. Hours Generator On-Line	647.7	3,917.3	33,696.1
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,533,814	9,788,720.2	77,378,258.7
17. Gross Electrical Energy Generated (MWH)	482,000	3,174,500	24,603,400
18. Net Electrical Energy Generated (MWH)	448,730	2,979,465	22,868,353
19. Unit Service Factor	90.0	89.7	49.4
20. Unit Availability Factor	90.0	89.7	49.4
21. Unit Capacity Factor (Using MDC Net)	76.9	84.2	43.0
22. Unit Capacity Factor (Using DER Net)	74.6	81.7	41.7
23. Unit Forced Outage Rate	0	2.9	28.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):  
Scheduled shutdown in October for 4th refueling.

25. If Shut Down At End Of Report Period, Estimated Date of Startup:

26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

Forecast

Achieved

N/A  
 N/A  
 N/A

N/A  
 N/A  
 N/A

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# UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JUNE

DOCKET NO. 50-334  
 UNIT NAME BVI'S Unit #1  
 DATE July 5, 1984  
 COMPLETED BY J. L. Holtz  
 TELEPHONE (412) 643-1369

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
8	6/8-11/84	S	72.3	B	1	N/A	CH	PUMPXX	The station was shutdown at 1848 hours on the 8th for seal replacement on the 1A main feedwater pump. Various other maintenance was performed during the shutdown. Repairs were made and the main unit generator output breakers were closed at 1908 hours on the 11th.

<sup>1</sup>  
 F- Forced  
 S- Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Continued From Previous Month  
 5-Reduction  
 9-Other

<sup>4</sup>  
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0164)

<sup>5</sup>  
 Exhibit I - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334  
 UNIT BVPS Unit #1  
 DATE July 5, 1984  
 COMPLETED BY J. L. Holtz  
 TELEPHONE (412) 643-1369

MONTH JUNE

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>742</u>
2	<u>418</u>
3	<u>458</u>
4	<u>457</u>
5	<u>500</u>
6	<u>496</u>
7	<u>456</u>
8	<u>333</u>
9	<u>0</u>
10	<u>0</u>
11	<u>91</u>
12	<u>742</u>
13	<u>784</u>
14	<u>784</u>
15	<u>783</u>
16	<u>784</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>784</u>
18	<u>741</u>
19	<u>783</u>
20	<u>783</u>
21	<u>784</u>
22	<u>742</u>
23	<u>785</u>
24	<u>783</u>
25	<u>783</u>
26	<u>784</u>
27	<u>784</u>
28	<u>783</u>
29	<u>785</u>
30	<u>824</u>
31	<u></u>

## INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

NARRATIVE SUMMARY OF MONTHLY OPERATING EXPERIENCE - JUNE, 1984

June 1           The station was in operational mode 1 with reactor power a nominal 100%. At 2041 hours, reactor power was reduced to 60% to allow the 1A main feedwater pump to be taken out of service for seal replacement.

June 2           The station operated at 60% power during this period while the  
through       1A main feedwater pump was out of service. Each of the main con-  
June 9       denser waterboxes was inspected for tube leakage and other main-  
              tenance was carried out. Work was unable to be done on the main  
              feedwater pump due to a leaking valve which prevented the pump's  
              isolation from the system. This necessitated plant cooldown to  
              operational mode 3 in order to repair the pump's seals. At 1735  
              hours on the 8th, a reduction in reactor power was begun. The  
              station entered mode 3 at 1920 hours.

              During the shutdown, the main steam trip valves were stroke tested  
              due to questions of using steam flow to assist in the test method.  
              The valves stroke tested unsatisfactorily without steam. A design  
              change was initiated to make the valves testable under all conditions.  
              It was judged that this required the station to enter operational mode 4  
              to comply with the Station Technical Specifications. Entry to mode 4  
              occurred at 1710 hours on the 9th.

June 10       The station was in operational mode 4, hot shutdown, pending repairs  
through       to the 1A main feedwater pump, the 1C main feedwater regulating valve  
June 11       and the main steam trip valves. Repairs were completed by 0000 hours  
              on the 11th and plant heatup began. Mode 3 was entered at 0055 hours.  
              After completion of the necessary surveillance tests, the reactor was  
              taken critical at 1700 hours. The main unit generator was synchro-  
              nized to the grid at 1908 hours.

June 12       The station reached a nominal 100% reactor power at 0330 hours on  
through       the 12th and continued to operate at 100% power through the end of  
June 30       the month.

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MAJOP MAINTENANCE - JUNE, 1984

1. Replaced inboard seal on main feedwater pump, FW-P-1A.
2. Repacked heater drain pump, SD-P-1A.
3. Repaired actuator on 'C' main feedwater regulating valve, PCV-FW-498.
4. Adjusted the main steam trip valves, TV-MS-101A, B, C to permit testing by alternate methods.
5. Component cooling water heat exchangers 1B and 1C were inspected and leaking tubes plugged.
6. Began overhaul on component cooling water pump, CC-P-1A.



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Telephone (412) 393-6000

July 5, 1984

Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Monthly Operating Report

United States Nuclear Regulatory Commission  
Director, Office of Management Information & Program Control  
Washington, D. C. 20555

Gentlemen:

In accordance with Appendix A, Technical Specifications, the Monthly Operating Report is submitted for the month of June, 1984.

Very truly yours,

J. J. Carey  
Vice President  
Nuclear Group

Enclosures

cc: NRC Regional Office, King of Prussia, PA

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