

OPERATING DATA REPORT

DOCKET NO. 50-334
 DATE 12/1/78
 COMPLETED BY F. P. Winkows
 TELEPHONE 412-643-5023

OPERATING STATUS

1. Unit Name: Beaver Valley Power Station, Unit #1
2. Reporting Period: November, 1978
3. Licensed Thermal Power (MWt): 2660
4. Nameplate Rating (Gross MWe): 923
5. Design Electrical Rating (Net MWe): 852
6. Maximum Dependable Capacity (Gross MWe): 845
7. Maximum Dependable Capacity (Net MWe): 800
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	<u>720</u>	<u>8,016</u>	<u>22,656</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>3,430.94</u>	<u>9,878.84</u>
13. Reactor Reserve Shutdown Hours	<u>720</u>	<u>3,097.63</u>	<u>4,056.03</u>
14. Hours Generator On-Line	<u>0</u>	<u>3,315.13</u>	<u>9,346.43</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>8,294,360.80</u>	<u>20,363,854.60</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>2,506,800.00</u>	<u>6,181,040.00</u>
18. Net Electrical Energy Generated (MWH)	<u>0</u>	<u>2,341,427.00</u>	<u>5,653,299.00</u>
19. Unit Service Factor	<u>0</u>	<u>41.3</u>	<u>47.9</u>
20. Unit Availability Factor	<u>0</u>	<u>41.3</u>	<u>47.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>36.5</u>	<u>42.1</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>34.2</u>	<u>39.5</u>
23. Unit Forced Outage Rate	<u>100</u>	<u>49.5</u>	<u>37.5</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Plant currently in extended shutdown to replace the main generator's main transformer; refueling delayed.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 12/13/78

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

7812110132

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334

UNIT BVPS Unit #1

DATE 12/1/78

COMPLETED BY F. P. Witkow

TELEPHONE 412-643-5023

MONTH November, 1978

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>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH November, 1978

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE 12/1/78
 COMPLETED BY F. P. Witkowsky
 TELEPHONE 412-643-5023

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
23	780728	F	720	A	3	LER 78-43	EB	TRANSF	A generator differential/main transformer differential trip initiated a reactor and turbine trip when a fault in the A phase of the main generator main transformer resulted in failure of the transformer.

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

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

Narrative Summary Of Operating Experience - November, 1978

<u>Date</u>	<u>Event</u>
November 1-30	The plant remained in Mode 5 throughout the month of November during which time the main transformer replacement and turbine-generator overhaul work continued.
November 3	The Type C leak testing was completed. At 0635 hours, the Containment Type A Pressurization Test was started but it was stopped at 0807 hours because of air leakage on the containment personnel air lock inner door. At 0305 hours, the 1C Containment Air Recirc Fan tripped while operating in slow speed due to a short in the motor. At 2000 hours, the Containment Type A test was restarted.
November 4-19	On November 9, the No. 2 Diesel Generator was returned to operable status after extensive testing and maintenance. Main turbine oil flush was in progress on November 11. Also, on November 11 at 2230 hours, the Type A Leak Test was discontinued because of erratic containment temperature readings and leakage through containment air ejector isolation valves. Containment depressurization was started on November 12 to permit correction of these problems.
November 20-30	The Containment Type A Leak Test was started at 0000 hours on November 20 and completed. Also on November 20, the replacement main transformer was initially energized by backfeeding from the system and used to supply partial station service load for protection checkouts and a soaking period.

Major Safety Related Maintenance - November, 1978

1. A leaking seal on the 1B High Head Charging Pump was replaced on November 14.
2. An extensive test of the No. 2 Diesel Generator was completed on November 9. This test was conducted to determine the probable cause of field flash failure during the incident in July when the Main Transformer was lost. The probable cause was traced to an extremely infrequent hangup of the field flash cutout relay. A circuit to monitor the status of the field flash cutout relay and remote manual field flash capability were added to increase reliability. See Licensee Event Report 78-43.