

OPERATING DATA REPORT

DOCKET NO. 50-334
 DATE 4/1/79
 COMPLETED BY A.E. Spitznogle
 TELEPHONE 412-643-5023

OPERATING STATUS

- | | |
|---|--------------|
| <p>1. Unit Name: <u>Beaver Valley Power Station, Unit #1</u></p> <p>2. Reporting Period: <u>March, 1979</u></p> <p>3. Licensed Thermal Power (MWt): <u>2660</u></p> <p>4. Nameplate Rating (Gross MWe): <u>923</u></p> <p>5. Design Electrical Rating (Net MWe): <u>852</u></p> <p>6. Maximum Dependable Capacity (Gross MWe): <u>845</u></p> <p>7. Maximum Dependable Capacity (Net MWe): <u>817</u></p> <p>8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
 <u>Item 7 upgraded due to power output increase gained from modifications to moisture separator reheaters.</u></p> <p>9. Power Level To Which Restricted, If Any (Net MWe): <u>None</u></p> <p>10. Reasons For Restrictions, If Any: <u>N/A</u></p> | <p>Notes</p> |
|---|--------------|

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	2,160	26,976
12. Number Of Hours Reactor Was Critical	163.59	1,166.61	11,362.68
13. Reactor Reserve Shutdown Hours	0	0	4,482.80
14. Hours Generator On-Line	146.24	1,106.57	10,710.74
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	336,146.31	2,557,151.22	23,425,546.17
17. Gross Electrical Energy Generated (MWH)	110,700	834,600	7,173,340
18. Net Electrical Energy Generated (MWH)	102,173	774,989	6,567,357
19. Unit Service Factor	19.7	51.2	47.8
20. Unit Availability Factor	19.7	51.2	47.8
21. Unit Capacity Factor (Using MDC Net)	16.8	43.9	40.8
22. Unit Capacity Factor (Using DER Net)	16.1	42.1	39.1
23. Unit Forced Outage Rate	80.3	49.1	40.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Major Modification and Refueling Outage on July 2, 1979.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: May 11, 1979

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY	<u>N/A</u>	<u>N/A</u>
INITIAL ELECTRICITY	<u>N/A</u>	<u>N/A</u>
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

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(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
 UNIT BVPS Unit #1
 DATE 4/2/79
 COMPLETED BY A.E.Spitznogl
 TELEPHONE 412-643-5023

MONTH March, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>742</u>	17	<u>0</u>
2	<u>746</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>566</u>	20	<u>0</u>
5	<u>644</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>367</u>	23	<u>0</u>
8	<u>734</u>	24	<u>0</u>
9	<u>491</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</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 March, 1979

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE 4/2/79
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 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
10	790303	F	26.41	A	3	None	HA	TURBIN	Reactor tripped during turbine thrust bearing trip check. Checked thrust bearing; repaired TV-MS-105B.
11	790305	F	36.25	F	1	None	ZZ	ZZZZZZ	Reactor shutdown due to high water level (greater than 680') in Ohio River. Unit returned to service after river level decreased.
12	790309	F	535.1	F	1	79-7	ZZ	ZZZZZZ	Reactor shutdown for design review of piping supports for Reactor Coolant and various other Category I piping.

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 - March, 1979

<u>Date</u>	<u>Event</u>
March 1 to March 2	Station was in Operational Mode 1 at 90% reactor power.
March 3	Reactor tripped from 90% power at 0043 hours during the turbine thrust bearing trip check. The reactor was critical at 0209 hours. One of the turbine driven auxiliary feedwater pump steam supply trip valves jammed partially open and the pump was removed from service to repair the valve. Due to the inability of the maintenance isolation valves to provide tight shutoff, a reactor shutdown and system partial cooldown was initiated at 1038 hours to repair the trip valve [TV-MS-105B]. After repairs to the trip valve, a reactor heatup was commenced at 1930 hours and the reactor was critical at 2254 hours. At 2350 hours, the reactor tripped due to low-low steam generator level during the transfer from the auxiliary feedwater pump to the main feedwater pump with an operations trainee performing the operation.
March 4	Reactor startup from Operational Mode 3 commenced at 0110 hours and the reactor was critical at 0135 hours. The main unit was synchronized at 0308 hours. Unit loading was increased in accordance with system demands.
March 5 to March 7	Station in Operational Mode 1 at 90% power. At 0500 hours, the Ohio River level reached 674.5 feet and level surveillance was begun. Station shutdown commenced at 2000 hours and, by 2255 hours, the river level had reached the current administrative limit for station shutdown at 680 feet. Entry into Operational Mode 4 occurred at 0535 hours on March 6th. The river elevation dropped below 680 feet at 2100 hours and the plant heatup began at 2240 hours. At 0758 hours on March 7th, the reactor was critical. The main unit was synchronized at 1009 hours and the reactor power was increased to 90%.
March 8	Station in Operational Mode 1 at 90% power.
March 9 to March 10	Station in Operational Mode 1 at 90% power. At 1445 hours, commenced weekend shutdown for fuel conservation and engineering resolution of pipe stress analyses. The main unit was taken off line at 1655 hours and reactor shutdown was completed at 1704 hours. Commenced cooldown to Mode 4, entering Mode 4 at 0237 hours on the 10th.

Narrative Summary Of Operating Experience - March, 1979

<u>Date</u>	<u>Event</u>
March 11 to March 12	Station in Operational Mode 4 with RCS Tavg approximately 340F.
March 13 to March 14	Station in Operational Mode 4 with RCS Tavg approximately 340F. After discussion of the preliminary results of pipe stress reruns by the Onsite and Offsite Safety Committees, it was decided to place the plant in the cold shutdown mode. Began RCS depressurization at 0915 hours and systems cooldown to Mode 5 at 1010 hours. Entered Operational Mode 5 at 1855 hours and broke the containment vacuum at 1954 hours.
March 15 to March 17	Station in Operational Mode 5 with RCS Tavg at 150F. Degassing RCS in progress.
March 17 to March 31	Station in Operational Mode 5 with RCS Tavg at 150F.

Major Safety Related Maintenance - March, 1979

1. Performed alignment and operational surveillance testing on the 1A Charging Pump on March 1, 2 and 5.
2. Inspected and then realigned the pump and motor of the 1A Reactor Plant Component Cooling Water Pump on March 9, 10 and 12.
3. Partially disassembled the 1B Reactor Coolant Pump motor on March 15 and 16 in preparation for replacing the pump seals.
4. Replaced failed bearing in the 1C Containment Air Recirculation Fan March 17 through March 27.
5. Installation of high density spent fuel racks continued through the month.