

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1981

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE 11/5/81
 COMPLETED BY D. R. Timko
 TELEPHONE 412-643-1947

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
12	811002	S	0	B	4				Cleaned 'B' Section of Main Condenser
13	811009	S	0	B	4				Load Reduction Requested By System Operations
14	811012	F	8.62	A	3		RA	CONROD	Blown Fuse in circuit for stationary gripper for control rod F4 caused the rod to drop, resulting in a reactor trip from high neutron flux rate. Replaced fuse.
15	811016	S	0	B	4				Load reduction requested by System Operations

¹
 F: Forced
 S: Scheduled

²
 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)

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

8111130362 8111110
 PDR ADOCK 05000334
 R

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit #1
DATE 11/5/81
COMPLETED BY D. R. Timko
TELEPHONE 412-643-1947

MONTH October, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>804</u>	17	<u>458</u>
2	<u>755</u>	18	<u>454</u>
3	<u>338</u>	19	<u>656</u>
4	<u>367</u>	20	<u>721</u>
5	<u>721</u>	21	<u>750</u>
6	<u>796</u>	22	<u>730</u>
7	<u>816</u>	23	<u>738</u>
8	<u>804</u>	24	<u>742</u>
9	<u>767</u>	25	<u>757</u>
10	<u>467</u>	26	<u>721</u>
11	<u>462</u>	27	<u>713</u>
12	<u>343</u>	28	<u>726</u>
13	<u>742</u>	29	<u>738</u>
14	<u>796</u>	30	<u>742</u>
15	<u>795</u>	31	<u>742</u>
16	<u>746</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.

OPERATING DATA REPORT

DOCKET NO. 50-334
 DATE 11/5/81
 COMPLETED BY D. R. Timko
 TELEPHONE 412-643-1947

OPERATING STATUS

1. Unit Name: Beaver Valley Power Station, Unit #1
2. Reporting Period: October, 1981
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): 860
7. Maximum Dependable Capacity (Net MWe): 810

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
 Item 6. 860MW more accurately reflects difference between

MDC net and gross

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	745	7296	48,240
12. Number Of Hours Reactor Was Critical	741.73	5,217.87	19,744.54
13. Reactor Reserve Shutdown Hours	0	0	4,482.8
14. Hours Generator On-Line	736.38	5,133.06	18,840.31
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1,651,328.79	12,589,718.53	40,697,611.68
17. Gross Electrical Energy Generated (MWH)	537,300	4,058,100	12,685,440
18. Net Electrical Energy Generated (MWH)	501,581	3,764,753	11,626,258
19. Unit Service Factor	98.8	70.4	40.9
20. Unit Availability Factor	98.8	70.4	40.9
21. Unit Capacity Factor (Using MDC Net)	83.1	63.7	33.4
22. Unit Capacity Factor (Using DER Net)	79.0	60.6	31.7
23. Unit Forced Outage Rate	1.2	29.6	41.7

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

Refueling Outage/January 2/20 Weeks

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

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>

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

MAJOR SAFETY-RELATED MAINTENANCE - OCTOBER 1981

1. Replaced the fuse for control rod F4 stationary gripper coil

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

NARRATIVE SUMMARY OF MONTHLY OPERATING EXPERIENCE - OCTOBER 1981

- October 1 Station in Operational Mode 1 at nominal full power.
- October 2 Station in Operational Mode 1 at nominal full power. At 2002 hours,
through commenced a load reduction to permit cleaning of the main condenser
October 5 section B. Load was stabilized at 45% power by 2144 hours. The
condenser was returned to service at approximately 2100 hours on
October 4 and the station load was increased to 60% power by 2127
hours. The station followed system load requirements reaching nominal
full power by 0650 hours.
- October 6 Station in Operational Mode 1 at nominal full power.
through
October 8
- October 9 Station in Operational Mode 1 at nominal full power. Between 2040
through hours on October 9 and 0530 hours on October 12 station load was reduced
October 12 to 60% power because of low system load requirements and for fuel
conservation. At 1217 hours on October 12 the Reactor tripped because
of a dropped rod due to a blown stationary gripper coil fuse. The
Reactor was critical at 1533 hours and the unit was synchronized
at 2054 hours.
- October 13 Station in Operational Mode 1 at 60% power. Gradual increase of the
station load was in progress, reaching nominal full power by 1600 hours.
- October 14 Station in Operational Mode 1 at nominal full power.
through
October 15
- October 16 Station in Operational Mode 1 at nominal full power. Between 2200 hours
through of October 16 and 0900 hours of October 19, station load was reduced
October 19 to 60% power due to low system requirements and for fuel conservation
Station load was returned to 90% power.
- October 20 Station in Operational Mode 1 at nominal 90% power for fuel conservation.
through
October 31