

OPERATING DATA REPORT

DOCKET NO. 50-334
 DATE 9/4/79
 COMPLETED BY A.E. Spitznogle
 TELEPHONE 412-643-5023

OPERATING STATUS

1. Unit Name: Beaver Valley Power Station, Unit #1
2. Reporting Period: August, 1979
3. Licensed Thermal Power (MWt): 2660
4. Nameplate Rating (Gross MWe): 922
5. Design Electrical Rating (Net MWe): 852
6. Maximum Dependable Capacity (Gross MWe): 845
7. Maximum Dependable Capacity (Net MWe): 817
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 | 744 | 5,831 | 28,511 |
| 12. Number Of Hours Reactor Was Critical | 345.77 | 1,512.38 | 11,708.45 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 4,482.8 |
| 14. Hours Generator On-Line | 339.45 | 1,446.02 | 11,050.19 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 650,166.96 | 3,207,318.18 | 24,075,713.13 |
| 17. Gross Electrical Energy Generated (MWH) | 199,900 | 1,034,500 | 7,373,240 |
| 18. Net Electrical Energy Generated (MWH) | 184,204 | 929,193 | 6,751,561 |
| 19. Unit Service Factor | 45.6 | 24.8 | 40.8 |
| 20. Unit Availability Factor | 45.6 | 24.8 | 40.8 |
| 21. Unit Capacity Factor (Using MDC Net) | 30.3 | 19.5 | 34.6 |
| 22. Unit Capacity Factor (Using DER Net) | 29.1 | 18.7 | 33.1 |
| 23. Unit Forced Outage Rate | 54.4 | 75.3 | 51.5 |

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

November, 1979 - Major Modification and Refueling Outage (approximately six months, scheduled duration).

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

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

Forecast

Achieved

INITIAL CRITICALITY

N/A

N/A

INITIAL ELECTRICITY

N/A

N/A

COMMERCIAL OPERATION

N/A

N/A

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436
(9/77)

AVERAGE DAILY UNIT POWER LEVEL

POOR ORIGINAL

DOCKET NO. 50-334

UNIT BVPS Unit #1

DATE 9/4/79

COMPLETED BY A.E.Spitznogle

TELEPHONE 412-643-5023

MONTH August, 1979

| 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>118</u> |
| 18 | <u>302</u> |
| 19 | <u>200</u> |
| 20 | <u>319</u> |
| 21 | <u>508</u> |
| 22 | <u>511</u> |
| 23 | <u>515</u> |
| 24 | <u>434</u> |
| 25 | <u>301</u> |
| 26 | <u>654</u> |
| 27 | <u>716</u> |
| 28 | <u>765</u> |
| 29 | <u>776</u> |
| 30 | <u>779</u> |
| 31 | <u>776</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.

964227

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-334
UNIT NAME BVPS Unit #1

DATE 9/4/79

COMPLETED BY A. E. Spitznogle

TELEPHONE 412-643-5023

REPORT MONTH August, 1979

| 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 | 790801 | F | 394.61 | D | 1 | 79-7 | ZZ | ZZZZZZ | Reactor shutdown for design review of piping supports for Reactor Coolant and various other Category I piping. |
| 13 | 790819 | F | 9.94 | A | 2 | None | CH | PUMPXX | Reactor manually tripped due to loss of Main Feed Pump 1A on low suction pressure. Unit returned to service after restarting pump. |

POOR ORIGINAL

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

904228

(9/77)

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

Narrative Summary Of Operating Experience - August, 1979

| <u>Date</u> | <u>Event</u> |
|---------------------------|--|
| August 1 to August 4 | Station in Operational Mode 5 with Tavg between 145F and 175F. Began coolant purification at 1606 hours on August 4. Filled the coolant system at 2146 hours, prior to initiating RCS fill and vent. |
| August 5 | Station in Operational Mode 5 with RCS pressure at 300 psig and RCS temperature at 135F. The RCS fill and vent procedure was completed at 1843 hours. Began pressurizer heat-up. |
| August 6 | Station in Operational Mode 5 with RCS pressure at 75 psig and RCS temperature at 170F. Pressurizer heat-up in progress with bubble drawn at 0044 hours. |
| August 7 to August 8 | Station in Operational Mode 5 with RCS pressure from 250 psig to 275 psig and RCS temperature at 150F. Drained the steam generator secondary side due to high sodium concentration. |
| August 9 | Station in Operational Mode 5 with RCS pressure at 250 psig and RCS temperature at 140F. Drew condenser vacuum at 0055 hours. |
| August 10 to August 12 | Station in Operational Mode 5. Performed operational tests for this mode and began RCS heat-up. |
| August 13 to August 14 | Station in Operational Mode 4 with heat-up in progress. Entered Mode 3 at 1600 hours; suspended heat-up at 1930 hours due to problems with the 1A Reactor Coolant Pump seal differential pressure. The problem was corrected and heat-up resumed at 0340 hours on August 14. |
| August 15 to August 17 | Station in Operational Mode 3. Control rod drop tests and reactor coolant flow measurement tests in progress. Start-up checklists being completed prior to leaving Mode 3. At 0550 hours on August 17, reactor start-up was commenced and the reactor was critical by 0617 hours. Turbine roll-off was commenced at 0805 hours. Attempted to close the main output circuit breakers at 0943 hours but the breakers would not close. The breaker was closed manually, but tripped at 0948 hours. Finally synchronized the Main Unit Generator at 1037 hours and began increasing the power level. |
| August 18 to August 19 | Station in Operational Mode 1 at 50% reactor power. At 1444 hours on August 19, the reactor was manually tripped after the operating main feedwater pump tripped due to low suction pressure. At 2241 hours, the reactor was critical. |

984229

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

Narrative Summary Of Operating Experience - August, 1979 (continued)

| <u>Date</u> | <u>Event</u> |
|---------------------------|---|
| August 20 | Station in Operational Mode 2 at approximately 2% reactor power. The main unit was synchronized at 0040 hours and the station entered Mode 1. |
| August 21 to August 24 | Station in Operational Mode 1 with reactor power at 66% to 67%. At 1630 hours on August 24, began reducing unit load to approximately 300 Mwe gross output to correct secondary side water chemistry. |
| August 25 | Station in Operational Mode 1 at approximately 30% reactor power. Secondary chemistry corrected by 2100 hours and began increasing unit load at 2113 hours. |
| August 26 | Station in Operational Mode 1. Reactor power at 68% power level at 0001 hours, continuing to increase the power level to 85% power at rate of 3%/hour. Reached 85% power at 0500 hours. |
| August 27 | Station in Operational Mode 1. Gradually increased reactor power from 84% power at 0835 hours to approximately 95% power at 1320 hours. |
| August 28 to August 31 | Station in Operational Mode 1. Maintained reactor power between 98% and 100% power level. |

Major Safety Related Maintenance - August, 1979

1. Completed repairs and inspection of steam generator piping.
2. Completed restoration of the reactor coolant pump supports and structural members.
3. Completed snubber inspections, testing, and overhaul.
4. Completed inspection and modifications of pipe hangers and supports.
5. Completed repairs of the main feedwater flow regulating valves.
6. Completed routing new cables for safety injection isolation valves [MOV-SI-860B and 864B].

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