



**Duquesne Light**

Nuclear Group  
P.O. Box 4  
Shippingport, PA 15077-0004

Telephone (412) 393-8000

April 5, 1996

Beaver Valley Power Station  
Unit 1 - Docket No. 50-334, License No. DPR-66  
Unit 2 - Docket No. 50-412, License No. NPF-73  
Monthly Operating Report

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D.C. 20555

Gentlemen:

In accordance with Appendix A, Technical Specifications, the Monthly Operating Report is submitted for Unit 1 and Unit 2 for the month of March, 1996.

Respectfully,

T. P. Noonan  
Division Vice President,  
Nuclear Operations /  
Plant Manager

DTJ/slp

Enclosures

cc: NRC Regional Office  
King of Prussia, PA

9604160032 960331  
PDR ADOCK 05000334  
R PDR



The Nuclear Professionals

150114

JE24

NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT 1

MARCH 1996

- March 1 through March 8      The Unit began the report period operating at approximately 95% output for planned end-of-cycle fuel conservation (cycle stretch).
- March 8      The analog rod position indication (ARPI) for control rod K-2 was declared inoperable at 0001 hours due to reading greater than the technical specification limit of 12 steps. The ARPI for control rod K-2 was recalibrated and subsequently returned to service at 1345 hours.
- March 9      The Unit began the planned end-of-cycle fuel coastdown prior to the 11th refueling outage.
- March 10 through March 14      The Unit continued with the planned end-of-cycle fuel coastdown prior to the 11th refueling outage.
- March 15      With the Unit operating at approximately 87% output, a reduction in output to approximately 65% was commenced at 2000 hours for the planned end-of-cycle fuel coastdown prior to the 11th refueling outage.
- March 16 through March 21      An output of approximately 65% was achieved at 0326 hours. The Unit continued with the planned end-of-cycle fuel coastdown prior to the 11th refueling outage.
- March 17      The analog rod position indication (ARPI) for control rod G-13 was declared inoperable at 2218 hours due to reading greater than the technical specification limit of 12 steps.
- March 18      The ARPI for control rod G-13 was repaired and returned to service at 1200 hours.
- March 22      With the Unit operating at approximately 63% output, the Unit commenced to shutdown for the 11th refueling outage at 1800 hours. At 2256 hours, the Unit was taken off-line when the Main Unit Generator output breakers were opened beginning the 11th refueling outage.
- March 23      Mode 3 was entered at 0130 hours, Mode 4 was entered at 1153 hours and Mode 5 was entered at 2303 hours.
- March 24 through March 29      The Unit remained shutdown in Mode 5 for the 11th refueling outage.
- March 30      The Unit entered Mode 6 at 0711 hours.
- March 31      The Unit remained shutdown in Mode 6 for the 11th refueling outage for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334  
 UNIT EVPS Unit 1  
 DATE April 4, 1996  
 COMPLETED BY David T. Jones  
 TELEPHONE (412) 393-7553

MONTH March 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>789</u>	17	<u>510</u>
2	<u>778</u>	18	<u>510</u>
3	<u>787</u>	19	<u>512</u>
4	<u>782</u>	20	<u>512</u>
5	<u>769</u>	21	<u>508</u>
6	<u>790</u>	22	<u>425</u>
7	<u>787</u>	23	<u>0</u>
8	<u>784</u>	24	<u>0</u>
9	<u>781</u>	25	<u>0</u>
10	<u>761</u>	26	<u>0</u>
11	<u>768</u>	27	<u>0</u>
12	<u>756</u>	28	<u>0</u>
13	<u>746</u>	29	<u>0</u>
14	<u>714</u>	30	<u>0</u>
15	<u>684</u>	31	<u>0</u>
16	<u>513</u>		

INSTRUCTIONS

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

OPERATING DATA REPORT

DOCKET NO.: 50-334  
 REPORT DATE: 04/03/96  
 COMPLETED BY: DAVID T. JONES  
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: MARCH 1996
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 835
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 860
7. MAX. DEPENDABLE CAPACITY (Net MWe): 810

Notes
-------

8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS:

---

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): None  
 10. REASONS FOR RESTRICTIONS, IF ANY: N/A

---

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	744.0	2184.0	174600.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	526.9	1966.9	115418.7
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	526.9	1966.9	113319.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1164783.0	4940959.0	273863021.5
17. GROSS ELECT. ENERGY GEN. (MWH):	382630.0	1636100.0	88450117.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	358200.0	1542460.0	82709284.0
19. UNIT SERVICE FACTOR: (PERCENT)	70.8	90.1	66.7
20. UNIT AVAILABILITY FACTOR: (PERCENT)	70.8	90.1	66.7
21. UNIT CAPACITY FACTOR (MDC): PCT	59.4	87.2	60.8
22. UNIT CAPACITY FACTOR (DER): PCT	57.7	84.6	59.0
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	15.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
THE UNIT SHUTDOWN FOR ITS 11TH REFUELING OUTAGE ON MARCH 22, 1996. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 55 DAYS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 05/16/96

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>

UNIT SHUTDOWNS AND POWER REDUCTIONS (≥20%)

Docket No. 50-334  
 Unit Name BVPS Unit #1  
 Date April 3, 1996  
 Completed By David T. Jones  
 Telephone (412) 393-7553

REPORT MONTH March 1996

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
1	960309	S	0	N	5	N/A	RC	FUELXX	The Unit began the planned end-of-cycle fuel coastdown prior to the 11th refueling outage.
2	960322	S	217.1	C	1	N/A	RC	FUELXX	The Unit shutdown for its 11th refueling outage.

<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 Exam  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont'd. from Previous Month  
 5-Reduction  
 9-Other

<sup>4</sup>  
 Exhibit F-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

<sup>5</sup>  
 Exhibit H-Same Source.



NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT 2

MARCH 1996

- March 1 through March 12      The Unit operated at a nominal value of 100% output.
- March 13      The Unit continued to operate at a nominal value of 100% output until 2200 hours when a forced reduction was commenced for repack of the "A" Heater Drain Pump.
- March 14      An output of approximately 45% was achieved at 0255 hours. Following repack of the "A" Heater Drain Pump, a return to full power was commenced at 1827 hours.
- March 15      A nominal value of 100% output was achieved at 1036 hours.
- March 16 through March 31      The Unit continued to operate at a nominal value of 100% output for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412  
 UNIT BVPS Unit 2  
 DATE April 3, 1996  
 COMPLETED BY David T. Jones  
 TELEPHONE (412) 393-7553

MONTH March 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>833</u>	17	<u>835</u>
2	<u>831</u>	18	<u>832</u>
3	<u>836</u>	19	<u>832</u>
4	<u>834</u>	20	<u>834</u>
5	<u>832</u>	21	<u>834</u>
6	<u>836</u>	22	<u>833</u>
7	<u>838</u>	23	<u>834</u>
8	<u>837</u>	24	<u>834</u>
9	<u>837</u>	25	<u>831</u>
10	<u>836</u>	26	<u>837</u>
11	<u>831</u>	27	<u>836</u>
12	<u>833</u>	28	<u>835</u>
13	<u>826</u>	29	<u>834</u>
14	<u>402</u>	30	<u>832</u>
15	<u>803</u>	31	<u>829</u>
16	<u>834</u>		

INSTRUCTIONS

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

UNIT SHUTDOWNS AND POWER REDUCTIONS (>20%)

Docket No. 50-412  
 Unit Name BVPS Unit #2  
 Date April 3, 1996  
 Completed By David T. Jones  
 Telephone (412) 393-7553

REPORT MONTH March 1996

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
4	960313	F	0	A	5	N/A	HK	PUMPXX	The Unit reduced output from 100% to approximately 45% to repack the "A" Heater Drain Pump.

<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 Exam  
 F-Administrative  
 G-Operational Error (Explain)  
 H-Other (Explain)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont'd. from Previous Month  
 5-Reduction  
 9-Other

<sup>4</sup>  
 Exhibit F-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

<sup>5</sup>  
 Exhibit H-Same Source.