



Nuclear Group  
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July 6, 1990

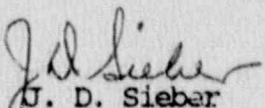
Beaver Valley Power Station  
Unit 1 - Docket No. 50-334, License No. DPR-66  
Unit 2 - Docket No. 50-412, License No. NPF-73  
Monthly Operating Report

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 June, 1990.

Very truly yours,

  
J. D. Siebar  
Vice President  
Nuclear Group

MAW/lmg

Enclosures

cc: NRC Regional Office  
King of Prussia, PA

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PDR ADOCK 05000334  
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NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT I

JUNE 1990

June 1  
through  
June 18

The Unit operated at a nominal value of 100% output.

June 19

At 0001 hours the Rod Position Indicator for control rod D-12 was out of service and remained out of service for the rest of the month of June 1990.

June 20  
through  
June 22

The Unit operated at a nominal value of 100% output.

June 23

At 0300 hours the Unit's output was reduced to 80% to load follow.

June 24

The Unit operated at 80% output to load follow.

June 25

At 0400 hours the Unit's output was escalated to a nominal value of 100%.

June 26  
through  
June 30

The Unit operated at a nominal value of 100% output.



# OPERATING DATA REPORT

DOCKET NO.: 50-334  
 REPORT DATE: 07/07/90  
 COMPLETED BY: M.A.WINGER  
 TELEPHONE: (412) 393-7621

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: JUNE 1990
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:	720.0	4343.0	124175.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	4180.3	76318.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	720.0	4155.9	74623.4
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1871935.0	10515743.0	176595798.5
17. GROSS ELECT. ENERGY GEN. (MWH):	605560.0	3437900.0	56707589.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	570190.0	3236880.0	52934030.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	95.7	62.3
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	95.7	62.3
21. UNIT CAPACITY FACTOR (MDC): PCT	97.8	92.0	55.6
22. UNIT CAPACITY FACTOR (DER): PCT	94.8	89.3	53.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	3.3	16.9

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

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



# AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-334  
 Unit EVPS Unit 1  
 Date July 6, 1990  
 Completed by M.A. Winger  
 Telephone (412) 393-7621

MONTH June 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>775</u>
2	<u>796</u>
3	<u>804</u>
4	<u>817</u>
5	<u>813</u>
6	<u>821</u>
7	<u>796</u>
8	<u>804</u>
9	<u>800</u>
10	<u>808</u>
11	<u>808</u>
12	<u>813</u>
13	<u>800</u>
14	<u>800</u>
15	<u>804</u>
16	<u>800</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>792</u>
18	<u>796</u>
19	<u>804</u>
20	<u>808</u>
21	<u>800</u>
22	<u>800</u>
23	<u>683</u>
24	<u>663</u>
25	<u>771</u>
26	<u>804</u>
27	<u>792</u>
28	<u>804</u>
29	<u>788</u>
30	<u>796</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 JUNE 1990

Docket No. 50-334  
 Unit Name BVPS Unit #1  
 Date July 6, 1990  
 Completed By M.A. Winger  
 Telephone (412) 393-7621

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
16	900602	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 46% to stretch the current fuel cycle.
17	900609	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 46% to stretch the current fuel cycle.
18	900616	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 100% to 47% to stretch the current fuel cycle.
19	900623	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 47% to stretch the current fuel cycle.
20	900629	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 95% to 47% to stretch the current fuel cycle.

<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 G-Instructions for  
 Preparation of Data Entry Sheets  
 for Licensee Event Report (LER) File  
 (NUREG0161).  
<sup>5</sup>  
 Exhibit I-Same Source.



NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT II

JUNE 1990

June 1	The Unit operated at approximately 86% output in a cycle stretch out mode of operation. At 0740 hours the Unit's output was escalated at approximately 95% for Turbine Throttle and Governor Valve testing. At 0953 hours the Unit's output was reduced to approximately 86% to stretch the current fuel cycle.
June 2	At 0315 hours the Unit's output was reduced to approximately 46% to stretch the current fuel cycle.
June 3	The Unit operated at 46% output to stretch the current fuel cycle.
June 4	At 0300 hours the Unit's output was escalated to 86% to stretch the current fuel cycle.
June 5 through June 8	The Unit operated at 80% output to stretch the current fuel cycle.
June 9	At 0008 hours the Unit's output was reduced to 47% to stretch the current fuel cycle.
June 10	The Unit operated at 47% output to stretch the current fuel cycle.
June 11	At 0407 hours, the Unit's output was escalated to 87% to stretch the current fuel cycle.
June 12 through June 13	The Unit operated at 87% output to stretch the current fuel cycle.
June 14	At 1220 hours the Unit's output was escalated to 100% at system request.
June 15	The Unit operated at 100% output.
June 16	At 0020 hours the Unit's output was reduced to 47% to stretch the current fuel cycle.
June 17	The Unit operated at 47% output to stretch the current fuel cycle.
June 18	At 0200 hours the Unit's output was escalated to 95% to perform calorimetrics.



NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT II

JUNE 1990

June 19	At 0032 hours the Unit's output was reduced to 86% to stretch the current fuel cycle.
June 20 through June 22	The Unit operated at 86% output to stretch the current fuel cycle.
June 23	At 0030 hours the Unit's output was reduced to 47% to stretch the current fuel cycle.
June 24	The Unit operated at 47% output to stretch the current fuel cycle.
June 25	At 0400 hours the Unit's output was escalated to 86% to stretch the current fuel cycle.
June 26 through June 28	The Unit operated at 86% output to stretch the current fuel cycle.
June 29	At 0431 hours the Unit's output was escalated to 95% to permit testing of the Turbine Throttle and Governor Valves. At 2200 hours the Unit's output was reduced to 47% to stretch the current fuel cycle.
June 30	The Unit operated at 47% output to stretch the current fuel cycle.



# AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-412  
 Unit BVPS Unit 2  
 Date July 6, 1990  
 Completed by M. A. Winger  
 Telephone (412) 393-7621

MONTH June 90

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>699</u>	17	<u>327</u>
2	<u>395</u>	18	<u>658</u>
3	<u>321</u>	19	<u>703</u>
4	<u>633</u>	20	<u>703</u>
5	<u>699</u>	21	<u>695</u>
6	<u>695</u>	22	<u>695</u>
7	<u>691</u>	23	<u>360</u>
8	<u>687</u>	24	<u>331</u>
9	<u>348</u>	25	<u>622</u>
10	<u>342</u>	26	<u>699</u>
11	<u>617</u>	27	<u>695</u>
12	<u>703</u>	28	<u>687</u>
13	<u>695</u>	29	<u>720</u>
14	<u>716</u>	30	<u>348</u>
15	<u>781</u>	31	<u></u>
16	<u>383</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.: 50-412  
 REPORT DATE: 07/06/90  
 COMPLETED BY: M.A.WINGER  
 TELEPHONE: (412) 393-7621

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: JUNE 1990
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 836
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 885
7. MAX. DEPENDABLE CAPACITY (Net MWe): 833

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:	720.0	4343.0	22958.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	4343.0	19899.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	720.0	4343.0	19769.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1431870.0	8660648.0	47473392.4
17. GROSS ELECT. ENERGY GEN. (MWH):	453000.0	2784900.0	15251000.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	423632.0	2620281.0	14376756.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	86.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	86.1
21. UNIT CAPACITY FACTOR (MDC): PCT	70.6	72.4	75.2
22. UNIT CAPACITY FACTOR (DER): PCT	70.4	72.2	74.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	5.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 THE UNITS SECOND REFUELING OUTAGE IS SCHEDULED TO BEGIN ON SEPTEMBER 4, 1990  
 AND IS SCHEDULED TO LAST APPROXIMATELY 10 WEEKS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: \_\_\_\_\_

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY  
 INITIAL ELECTRICITY  
 COMMERCIAL OPERATION

FORECAST  
 N/A  
 N/A  
 N/A

ACHIEVED  
 N/A  
 N/A  
 N/A



## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JUNE 1990

Docket No. 50-412  
 Unit Name BVPS Unit 92  
 Date July 6, 1990  
 Completed By R.A. Winger  
 Telephone (412) 393-7621

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
16	900602	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 46% to stretch the current fuel cycle.
17	900609	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 46% to stretch the current fuel cycle.
18	900616	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 100% to 47% to stretch the current fuel cycle.
19	900623	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 86% to 47% to stretch the current fuel cycle.
20	900629	S	0	H	5	N/A	ZZ	ZZZZZZ	Output reduced from 95% to 47% to stretch the current fuel cycle.

<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 G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

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