



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

Telephone (412) 383-6000

April 8, 1991

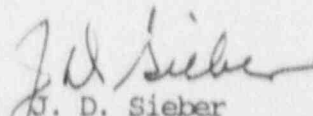
Beaver Valley Power Station  
Unit 1 - Docket No. 50-334, License No. DPR-66  
Unit 2 - Docket No. 50-412, License No. NPF-73  
Monthly Operating Report

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, 1991.

Very truly yours,

  
J. D. Sieber  
Vice President  
Nuclear Group

MAW/mmg

Enclosures

cc: NRC Regional Office  
King of Prussia, PA

10001A  
9104160344 910331  
PDR ADDCK 05000334  
R PDR

IF2A  
11

# AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-334  
 Unit EVPS Unit 1  
 Date April 7, 1991  
 Completed by M. A. Winger  
 Telephone (412)393-7621

MONTH MARCH 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>803</u>
2	<u>804</u>
3	<u>812</u>
4	<u>812</u>
5	<u>817</u>
6	<u>808</u>
7	<u>821</u>
8	<u>808</u>
9	<u>813</u>
10	<u>817</u>
11	<u>800</u>
12	<u>725</u>
13	<u>800</u>
14	<u>654</u>
15	<u>808</u>
16	<u>808</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>808</u>
18	<u>803</u>
19	<u>813</u>
20	<u>804</u>
21	<u>808</u>
22	<u>796</u>
23	<u>804</u>
24	<u>808</u>
25	<u>804</u>
26	<u>800</u>
27	<u>750</u>
28	<u>771</u>
29	<u>788</u>
30	<u>646</u>
31	<u>742</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.

NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT I

MARCH 1991

March 1 through March 10	The unit operated at a nominal value of 100% output.
March 11	At 2100 hours the Unit's output was reduced to 80% to load follow.
March 12	At 1114 hours the Unit's output was escalated to a nominal value of 100%.
March 13	At 2100 hours the Unit's output was reduced to 80% to load follow.
March 14	At 2200 hours the Unit's output was escalated to a nominal value of 100%.
March 15 through March 25	The Unit operated at a nominal value of 100% output.
March 26	At 2200 hours the Unit's output was reduced to 80% to load follow.
March 27	At 0450 hours the Unit's output was escalated to a nominal value of 100%. At 2200 hours the Unit's output was reduced to 80% to load follow.
March 28	At 0400 hours the Unit's output was escalated to a nominal value of 100%.
March 29	At 2100 hours the Unit's output was reduced to 80% to load follow.
March 30	The Unit operated at 80% output to load follow.
March 31	At 0800 hours the Unit's output was escalated to a nominal value of 100%.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH MARCH 1991

Docket No. 50-334  
 Unit Name BVPS Unit #1  
 Date April 7, 1991  
 Completed By M.A. Winger  
 Telephone (412) 393-7621

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
6	910311	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 80% to load follow.
7	910313	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 70% to load follow.
8	910326	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 80% to load follow.
9	910327	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 80% to load follow.
10	910329	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 80% to load follow.

1

F Forced  
S-Scheduled

2

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)

3

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

4

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

5

Exhibit I-Same Source.

# OPERATING DATA REPORT

DOCKET NO.: 50-334  
 REPORT DATE: 04/07/91  
 COMPLETED BY: M.A.WINGER  
 TELEPHONE: (412) 393-7621

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: MARCH 1991
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	2160.0	130752.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	1819.5	82113.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	744.0	1785.8	80330.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1920600.0	4581594.0	190870041.5
17. GROSS ELECT. ENERGY GEN. (MWH):	619720.0	1481110.0	61313839.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	586950.0	1400860.0	57265060.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	82.7	63.6
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	82.7	63.6
21. UNIT CAPACITY FACTOR (MDC): PCT	97.4	80.1	57.0
22. UNIT CAPACITY FACTOR (DER): PCT	94.5	77.7	55.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	17.3	16.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
THE UNIT IS SCHEDULED TO SHUTDOWN FOR THE UNIT'S 8TH REFUELING OUTAGE ON  
APRIL 12, 1991. THE UNIT IS SCHEDULED TO BE SHUTDOWN FOR 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

NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT II

MARCH 1991

March 1	The Unit operated at a nominal value of 100% output.
March 2	At 0018 hours the Unit's output was reduced to 75% to load follow.
March 3	At 0815 hours the Unit's output was escalated to 100%.
March 4 through March 8	The Unit operated at a nominal value of 100% output.
March 9	At 0001 hours the Unit's output was reduced to 75% to load follow.
March 10	At 0808 hours the Unit's output was escalated to a nominal value of 100%.
March 11 through March 31	The Unit operated at a nominal value of 100% output.

# AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-412  
 Unit EVPS Unit 2  
 Date April 7, 1991  
 Completed by M.A. Winger  
 Telephone (412) 393-7621

MONTH MARCH 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>811</u>	17	<u>811</u>
2	<u>598</u>	18	<u>811</u>
3	<u>725</u>	19	<u>811</u>
4	<u>815</u>	20	<u>811</u>
5	<u>815</u>	21	<u>807</u>
6	<u>807</u>	22	<u>807</u>
7	<u>815</u>	23	<u>803</u>
8	<u>815</u>	24	<u>811</u>
9	<u>619</u>	25	<u>815</u>
10	<u>729</u>	26	<u>807</u>
11	<u>819</u>	27	<u>803</u>
12	<u>811</u>	28	<u>811</u>
13	<u>815</u>	29	<u>811</u>
14	<u>811</u>	30	<u>811</u>
15	<u>811</u>	31	<u>815</u>
16	<u>811</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 1991

Docket No. 50-412  
 Unit Name BVPS Unit #2  
 Date April 7, 1991  
 Completed By M.A. Winger  
 Telephone (412) 393-7621

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
1	910302	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 75% to load follow.
2	910309	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from 100% to 75% to load follow.

1

F-Forced  
S-Scheduled

2

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)

3

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

4

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

5

Exhibit I-Same Source.



# OPERATING DATA REPORT

DOCKET NO.: 50-412  
 REPORT DATE: 04/07/91  
 COMPLETED BY: M.A. WINGER  
 TELEPHONE: (412) 393-7621

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: MARCH 1991
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): 870
7. MAX. DEPENDABLE CAPACITY (Net MWe): 820

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	2160.0	29525.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	2160.0	24507.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	744.0	2160.0	24321.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1920061.0	5658549.0	58786165.4
17. GROSS ELECT. ENERGY GEN. (MWH):	621600.0	1830600.0	18867400.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	589614.0	1737998.0	17781322.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	82.3
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	82.3
21. UNIT CAPACITY FACTOR (MDC): PCT	96.6	98.1	72.5
22. UNIT CAPACITY FACTOR (L) PCT	94.8	96.2	72.0
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	4.8

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

N/A  
 N/A  
 N/A

ACHIEVED

N/A  
 N/A  
 N/A