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May 9, 1994

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 April, 1994.

Respectfully,

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

DTJ/mmg

Enclosures

cc: NRC Regional Office  
King of Prussia, PA

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NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT 1

APRIL 1994

April 1           The Unit operated at a nominal value of 100% output until 0740 hours when output was reduced to approximately 97% during a routine maintenance surveillance procedure to complete a Channel III  $\Delta T/T_{avg}$  calibration. The power reduction was performed as a precaution to avoid a turbine runback and potential plant trip with one out of three turbine runback signals already tripped by the calibration procedure and a second channel known to experience occasional noise spiking at higher power levels. At 1900 hours the Unit returned to a nominal value of 100% output following completion of the Channel III  $\Delta T/T_{avg}$  calibration.

April 2           The Unit continued to operate at a nominal value of 100% output. At 0830 hours the Unit reduced output to approximately 97% during a routine maintenance surveillance procedure to complete a Channel II  $\Delta T/T_{avg}$  calibration. The power reduction was performed as a precaution to avoid a turbine runback and potential plant trip with one out of three turbine runback signals already tripped by the calibration procedure and a second channel known to experience occasional noise spiking at higher power levels. At 1430 hours the Unit returned to a nominal value of 100% output following completion of the Channel II  $\Delta T/T_{avg}$  calibration.

April 3  
through  
April 7           The Unit operated at a nominal value of 100% output.

April 8           The Unit continued to operate at a nominal value of 100% output. At 1330 hours the Unit reduced output to approximately 97% in an attempt to eliminate nuisance alarms created by more frequent noise spiking from Channel I  $\Delta T$  instrumentation at higher power levels.

April 9           The Unit commenced a return to full power at 0245 hours after Channel I  $\Delta T$  instrumentation was removed from service for correction of the noise spiking problem. The Unit achieved approximately 100% output at 0400 hours.

April 10  
through  
April 14          The Unit operated at a nominal value of 100% output.

NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT 1

APRIL 1994  
(Continued)

April 15	The Unit continued to operate at a nominal value of 100% output. With one Cooling Tower Pump being overhauled and only three Cooling Tower Pumps available and operating, a load reduction to approximately 95% was commenced at 1240 hours due to high condenser hotwell temperature and backpressure. Once conditions in the condenser hotwell had improved, the Unit commenced a return to full power at 1800 hours.
April 16	The Unit achieved approximately 100% output at 0030 hours.
April 17 through April 24	The Unit operated at a nominal value of 100% output.
April 25	The Unit continued to operate at a nominal value of 100% output. With one Cooling Tower Pump still out of service, the Unit commenced a reduction in output at 1250 hours to approximately 96% to improve conditions in the condenser hotwell. Once conditions in the condenser hotwell had improved, the Unit commenced a return to full power at 2100 hours. The Unit achieved approximately 100% output at 2300 hours.
April 26	The Unit continued to operate at a nominal value of 100% output. With one Cooling Tower Pump still out of service, the Unit commenced a reduction in output at 1040 hours to approximately 89% to improve conditions in the condenser hotwell. Once conditions in the condenser hotwell had improved, the Unit commenced a return to full power at 2049 hours. The Unit achieved approximately 100% output at 2300 hours.
April 27	The Unit continued to operate at a nominal value of 100% output. With one Cooling Tower Pump still out of service, the Unit commenced a reduction in output at 0808 hours to approximately 96% to improve conditions in the condenser hotwell. Following return of the "D" Cooling Tower Pump to service and subsequent improvement of condenser hotwell conditions, the Unit was returned to full power at 1700 hours.
April 28 through April 30	The Unit operated at a nominal value of 100% output.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334  
UNIT EVPS Unit 1  
DATE May 3, 1994  
COMPLETED BY David T. Jones  
TELEPHONE (412) 393-7553

MONTH April 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>813</u>	17	<u>821</u>
2	<u>804</u>	18	<u>813</u>
3	<u>817</u>	19	<u>803</u>
4	<u>813</u>	20	<u>813</u>
5	<u>821</u>	21	<u>817</u>
6	<u>808</u>	22	<u>825</u>
7	<u>829</u>	23	<u>813</u>
8	<u>813</u>	24	<u>813</u>
9	<u>817</u>	25	<u>783</u>
10	<u>813</u>	26	<u>763</u>
11	<u>817</u>	27	<u>779</u>
12	<u>813</u>	28	<u>821</u>
13	<u>808</u>	29	<u>808</u>
14	<u>808</u>	30	<u>825</u>
15	<u>796</u>	31	<u>—</u>
16	<u>813</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: 05/04/94  
 COMPLETED BY: DAVID T. JONFS  
 TELEPHONE: (412) 393-7553

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: APRIL 1994
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:	719.0	2879.0	157775.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2643.4	102174.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	719.0	2638.7	100181.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1892679.0	6888734.0	240294210.5
17. GROSS ELECT. ENERGY GEN. (MWH):	614850.0	2245540.0	77403063.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	582280.0	2115420.0	72334940.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	91.7	65.4
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	91.7	65.4
21. UNIT CAPACITY FACTOR (MDC): PCT	100.0	90.7	59.1
22. UNIT CAPACITY FACTOR (DER): PCT	97.0	88.0	57.4
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	8.3	15.6

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):  
 THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS TENTH REFUELING OUTAGE ON  
 OCTOBER 7, 1994. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 70 DAYS.

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS (≥20%)

REPORT MONTH APRIL 1994

Docket No. 50-334  
 Unit Name BVPS Unit #1  
 Date May 4, 1994  
 Completed By David T. Jones  
 Telephone (412) 393-7553

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
NONE									

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 F-Instructions for  
 Preparation of Data Entry Sheets  
 for Licensee Event Report (LER) File  
 (NUREG0161).  
 5  
 Exhibit H-Same Source.

NARRATIVE SUMMARY OF  
MONTHLY OPERATING EXPERIENCE

UNIT 2

APRIL 1994

April 1  
through  
April 30

The Unit operated at a nominal value of 100% output during the entire report period.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412  
UNIT BVPS Unit 2  
DATE May 3, 1994  
COMPLETED BY David T. Jones  
TELEPHONE (412) 393-7553

MONTH April 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>843</u>	17	<u>841</u>
2	<u>838</u>	18	<u>839</u>
3	<u>845</u>	19	<u>834</u>
4	<u>847</u>	20	<u>842</u>
5	<u>842</u>	21	<u>842</u>
6	<u>844</u>	22	<u>842</u>
7	<u>845</u>	23	<u>839</u>
8	<u>844</u>	24	<u>835</u>
9	<u>840</u>	25	<u>827</u>
10	<u>844</u>	26	<u>826</u>
11	<u>844</u>	27	<u>827</u>
12	<u>836</u>	28	<u>841</u>
13	<u>836</u>	29	<u>834</u>
14	<u>838</u>	30	<u>839</u>
15	<u>835</u>	31	<u>---</u>
16	<u>841</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.: 50-412  
 REPORT DATE: 05/04/94  
 COMPLETED BY: DAVID T. JONES  
 TELEPHONE: (412) 393-7553

## OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: APRIL 1994
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:	719.0	2879.0	56558.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2879.0	48209.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	719.0	2879.0	47875.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1895053.0	7577321.0	117809206.4
17. GROSS ELECT. ENL RGY GEN. (MWH):	634309.0	2543754.0	38195759.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	603263.0	2419935.0	36070214.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	84.6
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	84.6
21. UNIT CAPACITY FACTOR (MDC): PCT	102.3	102.5	77.3
22. UNIT CAPACITY FACTOR (DER): PCT	100.4	100.5	76.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	2.8

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

UNIT SHUTDOWNS AND POWER REDUCTIONS ( $\geq 20\%$ )REPORT MONTH APRIL 1994

Docket No. 50-412  
 Unit Name BVPS Unit #2  
 Date May 4, 1994  
 Completed By David I. Jones  
 Telephone (412) 393-7553

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
NONE									

<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.