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June 7, 1993

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 May, 1993.

Respectfully,

D. E. Spoerry
Division Vice President
Nuclear Operations

DTJ/mmg

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 1

MAY 1993

May 1
through
May 16

The Unit's ninth refueling outage continued with the Unit in Mode 6.

May 17
through
May 31

Mode 5 was entered at 0435 hours. The Unit remained in Mode 5 for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
 UNIT BVPS Unit 1
 DATE June 2, 1993
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-7553

MONTH May 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>	31	<u>0</u>
16	<u>0</u>		

INSTRUCTIONS

On this format, 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: 06/03/93
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: MAY 1993
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	3623.0	149759.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	0.0	1041.6	95591.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	0.0	2038.2	93689.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	0.0	4687212.0	223662213.5
17. GROSS ELECT. ENERGY GEN. (MWH):	0.0	1541890.0	72036383.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	-2760.0	1438570.0	67304510.0
19. UNIT SERVICE FACTOR: (PERCENT)	0.0	56.3	64.5
20. UNIT AVAILABILITY FACTOR: (PERCENT)	0.0	56.3	64.5
21. UNIT CAPACITY FACTOR (MDC): PCT	0.0	49.0	58.1
22. UNIT CAPACITY FACTOR (DER): PCT	0.0	47.6	56.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	15.7

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
 THE UNIT'S NINTH REFUELING OUTAGE IS STILL IN PROGRESS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 06/09/93

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 (≥20%)

REPORT MONTH MAY 1993

Docket No. 50-334
 Unit Name BVPS Unit #1
 Date June 3, 1993
 Completed By David T. Jones
 Telephone (412) 393-7553

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
4	930501	S	744.0	C	4	N/A	RC	FUELXX	Unit remained shutdown for the ninth refueling outage.

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

MAY 1993

May 1
through
May 7

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

May 8

At 1312 hours the Unit reduced output to approximately 98% during a routine monthly maintenance surveillance procedure to complete a Channel I and 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 1920 hours the Unit returned to 100% output following completion of the calibrations.

May 9
through
May 26

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

May 27

At 2200 hours the Unit commenced a reduction in output to approximately 78% in accordance with the planned fuel cycle length extension.

May 28

An output of approximately 78% was achieved at 0030 hours. At 2200 hours the Unit commenced a further reduction in output to approximately 43% in accordance with the planned fuel cycle length extension.

May 29

An output of approximately 43% was achieved at 0220 hours.

May 30
through
May 31

The Unit remained at approximately 43% output for planned fuel cycle length extension throughout the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
UNIT BVPS Unit 2
DATE June 2, 1993
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH May 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>830</u>	17	<u>836</u>
2	<u>826</u>	18	<u>834</u>
3	<u>823</u>	19	<u>835</u>
4	<u>825</u>	20	<u>836</u>
5	<u>826</u>	21	<u>835</u>
6	<u>830</u>	22	<u>833</u>
7	<u>832</u>	23	<u>834</u>
8	<u>824</u>	24	<u>829</u>
9	<u>826</u>	25	<u>832</u>
10	<u>825</u>	26	<u>835</u>
11	<u>824</u>	27	<u>830</u>
12	<u>828</u>	28	<u>639</u>
13	<u>838</u>	29	<u>329</u>
14	<u>836</u>	30	<u>320</u>
15	<u>828</u>	31	<u>318</u>
16	<u>835</u>		

INSTRUCTIONS

On this format, 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: 06/03/93
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: MAY 1993
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	3623.0	48542.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	3590.9	42092.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	744.0	3583.6	41808.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1839535.0	8911640.0	102458281.4
17. GROSS ELECT. ENERGY GEN. (MWH):	607186.0	2960025.0	33103829.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	576727.0	2807963.0	31257770.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	98.9	86.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	98.9	86.1
21. UNIT CAPACITY FACTOR (MDC): PCT	94.5	94.5	77.9
22. UNIT CAPACITY FACTOR (DER): PCT	92.7	92.7	77.0
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	1.1	3.0

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS FOURTH REFUELING OUTAGE ON
SEPTEMBER 17, 1993. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 70 DAYS.

25. IF SHUT DOWN AT END OF REPCRT 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 ($\geq 20\%$)REPORT MONTH MAY 1993

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date June 3, 1993
 Completed By David L. Jones
 Telephone (412) 393-7553

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
9	930527	S	0	H	5	N/A	ZZ	ZZZZZZ	The Unit reduced output from 100% to approximately 78% in accordance the planned fuel cycle length extension.
10	930528	S	0	H	5	N/A	ZZ	ZZZZZZ	The Unit reduced output from 78% to approximately 43% in accordance the planned fuel cycle length extension.

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)

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