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March 6, 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 February, 1996.

Respectfully,

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

DTJ/slp

Enclosures

cc: NRC Regional Office
King of Prussia, PA

120036



The Nuclear Professionals

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NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

FEBRUARY 1996

February 1	The Unit operated at a nominal value of 100% output.
February 2	The Unit continued to operate at a nominal value of 100% output until 1800 hours when a planned load reduction to approximately 90% was commenced to support expansion joint replacement at the outlet of the "D" waterbox of the main condenser. An output of approximately 90% was achieved at 1935 hours. Following the load reduction, the analog rod position indication (ARPI) for control rod K-6 was declared inoperable at 2015 hours due to reading greater than the technical specification limit of 12 steps.
February 3	The ARPI for control rod K-6 was recalibrated and subsequently returned to service at 0954 hours. Earlier at 0900 hours following isolation of the "D" waterbox, a load increase to approximately 97% output was commenced. An output of approximately 97% was achieved at 1300 hours while expansion joint replacement and waterbox cleaning continued.
February 4	Following completion of expansion joint replacement and return of the "D" waterbox to service, the Unit was returned to full power at approximately 1350 hours.
February 5 through February 22	The Unit continued to operate at a nominal value of 100% output.
February 23	The Unit continued to operate at a nominal value of 100% output until 1620 hours when a planned load reduction to approximately 95% was commenced for end-of-cycle fuel conservation to stretch the cycle and delay start of fuel coastdown. An output of approximately 95% was achieved at 2040 hours.
February 24 through February 29	The Unit continued to operate at approximately 95% output for end-of-cycle fuel conservation for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH February 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>838</u>	17	<u>829</u>
2	<u>826</u>	18	<u>824</u>
3	<u>784</u>	19	<u>833</u>
4	<u>828</u>	20	<u>831</u>
5	<u>835</u>	21	<u>830</u>
6	<u>831</u>	22	<u>832</u>
7	<u>832</u>	23	<u>816</u>
8	<u>825</u>	24	<u>760</u>
9	<u>831</u>	25	<u>771</u>
10	<u>823</u>	26	<u>787</u>
11	<u>819</u>	27	<u>768</u>
12	<u>834</u>	28	<u>786</u>
13	<u>838</u>	29	<u>791</u>
14	<u>827</u>	30	<u>---</u>
15	<u>830</u>	31	<u>---</u>
16	<u>831</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: 03/05/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: FEBRUARY 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:	696.0	1440.0	173856.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	696.0	1440.0	114891.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	696.0	1440.0	112792.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1810977.0	3776176.0	272698238.5
17. GROSS ELECT. ENERGY GEN. (MWH):	601080.0	1253470.0	88067487.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	568080.0	1184260.0	82351084.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	66.7
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	66.7
21. UNIT CAPACITY FACTOR (MDC): PCT	100.8	101.5	60.9
22. UNIT CAPACITY FACTOR (DER): PCT	97.7	98.5	59.0
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	15.4

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT IS SCHEDULED TO 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: _____

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 ($\geq 20\%$)REPORT MONTH February 1996

Docket No. 50-334
 Unit Name BVPS Unit #1
 Date March 4, 1996
 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

FEBRUARY 1996

February 1 through February 6	The Unit operated at a nominal value of 100% output.
February 7	The Unit continued to operate at a nominal value of 100% output until 1225 hours when a shutdown was commenced to perform repairs on the main transformer "A" phase bus duct boot. The Unit was taken off-line at 2133 hours, however, the Unit remained in Mode 1 while the reactor was maintained critical between 10-15% power.
February 8	Following repairs to the "A" phase bus duct boot, the Unit was synchronized to the electrical grid at 1901 hours and escalation to full power was begun.
February 9	A nominal value of 100% output was achieved at 1200 hours.
February 10 through February 29	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 EVPS Unit 2
DATE March 1, 1996
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH February 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>840</u>	17	<u>837</u>
2	<u>839</u>	18	<u>839</u>
3	<u>842</u>	19	<u>836</u>
4	<u>842</u>	20	<u>834</u>
5	<u>839</u>	21	<u>833</u>
6	<u>836</u>	22	<u>834</u>
7	<u>576</u>	23	<u>832</u>
8	<u>42</u>	24	<u>832</u>
9	<u>733</u>	25	<u>833</u>
10	<u>833</u>	26	<u>833</u>
11	<u>840</u>	27	<u>826</u>
12	<u>841</u>	28	<u>835</u>
13	<u>839</u>	29	<u>835</u>
14	<u>835</u>	30	<u>—</u>
15	<u>838</u>	31	<u>—</u>
16	<u>839</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: 03/05/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2 2. REPORTING PERIOD: FEBRUARY 1996 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:	
<hr/>	
9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): <u>None</u>	
10. REASONS FOR RESTRICTIONS, IF ANY: <u>N/A</u>	
<hr/>	

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD:	696.0	1440.0	72639.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	696.0	1440.0	62921.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	674.5	1418.5	62513.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1761977.0	3580530.0	155404533.0
17. GROSS ELECT. ENERGY GEN. (MWH):	583592.0	1189660.0	50622989.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	553489.0	1127722.0	47847245.0
19. UNIT SERVICE FACTOR: (PERCENT)	96.9	98.5	86.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	96.9	98.5	86.1
21. UNIT CAPACITY FACTOR (MDC): PCT	97.0	95.5	79.9
22. UNIT CAPACITY FACTOR (DER): PCT	95.1	93.7	78.8
23. UNIT FORCED OUTAGE RATE: (PERCENT)	3.1	1.5	2.7

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS 6TH REFUELING OUTAGE ON
AUGUST 30, 1996. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 45 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	<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 ($\geq 20\%$)REPORT MONTH February 1996

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date March 4, 1996
 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
3	960207	F	21.5	B	1	N/A	ED	TRANSF	The Unit shutdown from 100% output to repair a loose "A" phase bus duct boot on the main transformer.

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.