



Duquesne Light

Nuclear Group
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January 8, 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 December, 1995.

Respectfully,

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

DTJ/slp

Enclosures

cc: NRC Regional Office
King of Prussia, PA

110089



The Nuclear Professionals

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PDR ADOCK 05000334
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NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

DECEMBER 1995

- December 1 through December 17 The Unit operated at a nominal value of 100% output.
- December 18 The Unit operated at a nominal value of 100% output until 1611 hours when a shutdown was commenced to replace potentially degraded expansion joints in river water system piping. The Unit was taken off-line at 2352 hours and Mode 2 was entered at 2358 hours.
- December 19 Mode 3 was entered at 0005 hours and Mode 4 was entered at 1600 hours while the Unit continued to cooldown.
- December 20 Mode 5 was entered at 0057 hours.
- December 21 through December 22 The Unit remained in Mode 5 while expansion joint replacements continued.
- December 23 Following completion of required expansion joint replacements and commencement of plant heatup, the Unit entered Mode 4 at 2255 hours.
- December 24 Mode 3 was entered at 0930 hours.
- December 25 Mode 2 was entered at 1435 hours and the reactor was taken critical at 1515 hours. Mode 1 was entered at 1938 hours.
- December 26 The Unit was synchronized to the electrical grid at 0018 hours and power escalation was begun. At 0515 hours, the load increase was placed on hold while at approximately 48% output due to the quadrant power tilt ratio (QPTR) not being within specifications.
- December 27 Following an acceptable QPTR, an increase in output was commenced at 0920 hours.
- December 28 A nominal value of 100% output was achieved at 0300 hours.
- December 29 through December 31 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. 50-334
 UNIT BVPS Unit 1
 DATE Jan. 3, 1996
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-7553

MONTH December 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>829</u>	17	<u>824</u>
2	<u>825</u>	18	<u>694</u>
3	<u>824</u>	19	<u>0</u>
4	<u>831</u>	20	<u>0</u>
5	<u>835</u>	21	<u>0</u>
6	<u>835</u>	22	<u>0</u>
7	<u>833</u>	23	<u>0</u>
8	<u>834</u>	24	<u>0</u>
9	<u>830</u>	25	<u>0</u>
10	<u>824</u>	26	<u>305</u>
11	<u>836</u>	27	<u>563</u>
12	<u>836</u>	28	<u>825</u>
13	<u>833</u>	29	<u>827</u>
14	<u>831</u>	30	<u>830</u>
15	<u>830</u>	31	<u>827</u>
16	<u>824</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: 01/04/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: DECEMBER 1995
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	8760.0	172416.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	584.7	6895.0	113451.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	575.6	6814.4	111352.1
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1457253.0	17594996.0	268922062.5
17. GROSS ELECT. ENERGY GEN. (MWH):	483750.0	5788050.0	86814017.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	452460.0	5442920.0	81166824.0
19. UNIT SERVICE FACTOR: (PERCENT)	77.4	77.8	66.4
20. UNIT AVAILABILITY FACTOR: (PERCENT)	77.4	77.8	66.4
21. UNIT CAPACITY FACTOR (MDC): PCT	75.1	76.7	60.5
22. UNIT CAPACITY FACTOR (DER): PCT	72.8	74.4	58.7
23. UNIT FORCED OUTAGE RATE: (PERCENT)	22.6	5.7	15.5

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 (≥20%)

Docket No. 50-334
 Unit Name BVPS Unit #1
 Date January 3, 1996
 Completed By David T. Jones
 Telephone (412) 393-7553

REPORT MONTH December 1995

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
12	951218	F	168.4	B	1	N/A	WA	PIPEXX	The Unit was shutdown to replace potentially degraded expansion joints in river water system piping.

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

DECEMBER 1995

- December 1 through December 28 The Unit operated at a nominal value of 100% output.
- December 29 The Unit operated at a nominal value of 100% output until 2200 hours when a scheduled load reduction was commenced for planned end-of-cycle fuel conservation (cycle stretch).
- December 30 An output of approximately 46% was achieved at 0253 hours.
- December 31 The Unit remained at approximately 46% output for the remainder of the report period for planned end-of-cycle fuel conservation.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
 UNIT BVPS Unit 2
 DATE Jan. 3, 1996
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-7553

MONTH December 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>840</u>	17	<u>843</u>
2	<u>845</u>	18	<u>843</u>
3	<u>841</u>	19	<u>839</u>
4	<u>845</u>	20	<u>837</u>
5	<u>842</u>	21	<u>836</u>
6	<u>843</u>	22	<u>840</u>
7	<u>842</u>	23	<u>837</u>
8	<u>842</u>	24	<u>837</u>
9	<u>839</u>	25	<u>835</u>
10	<u>841</u>	26	<u>839</u>
11	<u>838</u>	27	<u>838</u>
12	<u>837</u>	28	<u>839</u>
13	<u>835</u>	29	<u>831</u>
14	<u>834</u>	30	<u>363</u>
15	<u>840</u>	31	<u>353</u>
16	<u>840</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: 01/04/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: DECEMBER 1995
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	8760.0	71199.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	7657.3	61481.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	744.0	7617.0	61094.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1896656.0	19302681.0	151824003.0
17. GROSS ELECT. ENERGY GEN. (MWH):	633191.0	6381536.0	49433329.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	601216.0	6044518.0	46719523.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	87.0	85.8
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	87.0	85.8
21. UNIT CAPACITY FACTOR (MDC):PCT	98.5	84.1	79.6
22. UNIT CAPACITY FACTOR (DER):PCT	96.7	82.5	78.5
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.5	2.7

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):

	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 (≥20%)

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date January 3, 1996
 Completed By David T. Jones
 Telephone (412) 393-7553

REPORT MONTH December 1995

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
9	951229	S	0	H	5	N/A	ZZ	ZZZZZZ	Reduced output from approx 100% to approx 46% for planned end-of-cycle fuel conservation (cycle stretch).

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 (WUREG0161).
 5
 Exhibit H-Same Source.