



Duquesne Light Company

Beaver Valley Power Station
P.O. Box 4
Shippingport, PA 15077-0004

THOMAS P. NOONAN
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Nuclear Operations

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December 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 November, 1996.

Respectfully,

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

DTJ/ksr

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

NOVEMBER 1996

November 1
through
November 30

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit 1
DATE December 3, 1996
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

MONTH November 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>827</u>	17	<u>826</u>
2	<u>828</u>	18	<u>827</u>
3	<u>828</u>	19	<u>827</u>
4	<u>827</u>	20	<u>830</u>
5	<u>826</u>	21	<u>831</u>
6	<u>820</u>	22	<u>829</u>
7	<u>815</u>	23	<u>828</u>
8	<u>826</u>	24	<u>827</u>
9	<u>827</u>	25	<u>827</u>
10	<u>829</u>	26	<u>827</u>
11	<u>826</u>	27	<u>828</u>
12	<u>829</u>	28	<u>828</u>
13	<u>827</u>	29	<u>827</u>
14	<u>830</u>	30	<u>825</u>
15	<u>829</u>	31	<u>---</u>
16	<u>829</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: 12/04/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1	*Notes	*
2. REPORTING PERIOD: NOVEMBER 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	*****	*

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 OF REPORTING PERIOD:	720.0	8040.0	180456.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	6452.1	119903.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	720.0	6390.5	117742.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1898890.0	16392199.0	285314261.5
17. GROSS ELECT. ENERGY GEN. (MWH):	629620.0	5404685.0	92218702.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	595260.0	5080375.0	86247199.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	79.5	67.0
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	79.5	67.0
21. UNIT CAPACITY FACTOR (MDC): PCT	102.1	78.0	61.3
22. UNIT CAPACITY FACTOR (DER): PCT	99.0	75.7	59.5
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	6.6	15.1

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%)

Ticket No. 50-334
 Unit Name BVPS Unit #1
 Date December 3, 1996
 Completed By David T. Jones
 Telephone (412) 393-4962

REPORT MONTH November 1996

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
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

NOVEMBER 1996

November 1 through November 15	The Unit began the report period in Mode 6 with the reactor vessel defueled while repair of the seals on the "A" and "B" Residual Heat Removal Pumps continued.
November 16	Following repair, testing, and return of the "A" and "B" Residual Heat Removal Pumps to service, core reload was begun at 0109 hours.
November 17	Core reload was completed at 2005 hours.
November 18 through November 19	The Unit remained in Mode 6 while preparations for entering Mode 5 continued.
November 20	Mode 5 was entered at 1500 hours.
November 21 through November 26	The Unit remained in Mode 5 while preparations for entering Mode 4 continued.
November 27	Mode 4 was entered at 0625 hours. Mode 3 was entered at 2247 hours.
November 28 through November 30	The Unit remained in Mode 3 for the remainder of the report period while preparations for entering Mode 2 continued.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
UNIT BVPS Unit 2
DATE December 3, 1996
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

MONTH November 1996

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>---</u>
16	<u>0</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: 12/04/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2		*****	
2. REPORTING PERIOD: NOVEMBER 1996		*Notes	*
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	*****	*

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:	720.0	8040.0	79239.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	0.0	5827.8	67309.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	0.0	5804.9	66899.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	0.0	14669115.0	166493118.0
17. GROSS ELECT. ENERGY GEN. (MWH):	0.0	4830599.0	54263928.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	-8958.0	4560114.0	51279637.0
19. UNIT SERVICE FACTOR: (PERCENT)	0.0	72.2	84.4
20. UNIT AVAILABILITY FACTOR: (PERCENT)	0.0	72.2	84.4
21. UNIT CAPACITY FACTOR (MDC):PCT	0.0	69.2	78.6
22. UNIT CAPACITY FACTOR (DER):PCT	0.0	67.8	77.4
23. UNIT FORCED OUTAGE RATE: (PERCENT)	100.0	15.7	4.0

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT WAS SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE ON 8/30/96. THE PLANNED
45 DAY OUTAGE WAS EXTENDED TO REPAIR THE A & B RESIDUAL HEAT REMOVAL PUMPS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 12/11/96

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 December 1, 1996

Completed By David T. Jones

Telephone (412) 393-4962

REPORT MONTH November 1996

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	961101	F	630.4	A/C	4	N/A	CF	PUMPXX	Continued with the forced extension of the Sixth Refueling Outage to repair leaking seals on both the "A" and "B" Residual Heat Removal (RHR) Pumps.
13	961127	S	89.6	C	9	N/A	RC	FUELXX	Continued with previously planned startup activities related to the Unit's Sixth 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

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