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December 8, 1995

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, 1995.

Respectfully,

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

DTJ/slp

Enclosures

cc: NRC Regional Office
King of Prussia, PA



The Nuclear Professionals

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NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

NOVEMBER 1995

- November 1 through November 2 The Unit operated at a nominal value of 100% output.
- November 3 The Unit operated at a nominal value of 100% output until 2040 hours when a load reduction was commenced in order to place the "B" heater drain tank normal level control valve on clearance for repairs after experiencing control problems.
- November 4 An output of approximately 37% was achieved at 0230 hours. Following return of the "B" heater drain tank normal level control valve to service, an increase in output was commenced at 2245 hours.
- November 5 A nominal value of 100% output was achieved at 1205 hours.
- November 6 through November 13 The Unit continued to operate at a nominal value of 100% output.
- November 14 The Unit operated at a nominal value of 100% output until 0038 hours when a load reduction was commenced in order to permit repairs to the #1 turbine governor valve position indicator arm. An output of approximately 97% was achieved at 0050 hours. Following repair of the #1 governor valve, an increase in output was commenced at 0230 hours. A nominal value of 100% output was achieved at 0330 hours.
- November 15 through November 17 The Unit continued to operate at a nominal value of 100% output.
- November 18 At 0230 hours, the analog rod position indication (ARPI) for shutdown bank B, rod L-11 was declared inoperable due to erratic operation. The Unit continued to operate at a nominal value of 100% output.
- November 19 Following amplifier module replacement and after monitoring rod position indication for stability, the ARPI for rod L-11 was declared operable at 2230 hours.
- November 20 through November 28 The Unit continued to operate at a nominal value of 100% output.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

NOVEMBER 1995

(Continued)

- November 29 At 2005 hours, the analog rod position indication (ARPI) for control bank A, rod K-2 was declared inoperable due to erratic operation. The Unit continued to operate at a nominal value of 100% output.
- November 30 The ARPI for rod K-2 was declared operable at 1945 hours following a calibration. The Unit continued to operate at a nominal value of 100% output.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
 UNIT BVPS Unit 1
 DATE Dec. 4, 1995
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-7553

MONTH November 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>822</u>	17	<u>835</u>
2	<u>815</u>	18	<u>824</u>
3	<u>803</u>	19	<u>826</u>
4	<u>239</u>	20	<u>834</u>
5	<u>754</u>	21	<u>837</u>
6	<u>838</u>	22	<u>840</u>
7	<u>834</u>	23	<u>830</u>
8	<u>839</u>	24	<u>832</u>
9	<u>839</u>	25	<u>829</u>
10	<u>832</u>	26	<u>827</u>
11	<u>824</u>	27	<u>829</u>
12	<u>831</u>	28	<u>833</u>
13	<u>833</u>	29	<u>835</u>
14	<u>831</u>	30	<u>834</u>
15	<u>835</u>	31	<u>---</u>
16	<u>837</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: 12/06/95
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: NOVEMBER 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:	720.0	8016.0	171672.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	6310.3	112867.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	720.0	6238.8	110776.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1854945.0	16137743.0	267464809.5
17. GROSS ELECT. ENERGY GEN. (MWH):	614760.0	5304300.0	86330267.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	582150.0	4990460.0	80714364.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	77.8	66.3
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	77.8	66.3
21. UNIT CAPACITY FACTOR (MDC): PCT	99.8	76.9	60.4
22. UNIT CAPACITY FACTOR (DER): PCT	96.8	74.6	58.6
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	3.8	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 December 4, 1995
 Completed By David T. Jones
 Telephone (412) 393-7553

REPORT MONTH November 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
11	951103	F	0	A	5	N/A	HH	VALVEX	Reduced output from approx 100% to approx 37% to repair the "B" heater drain tank normal level control valve.

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 1995

- November 1 through November 21 The Unit operated at a nominal value of 100% output.
- November 22 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.
- November 23 An output of approximately 46% was achieved at 0235 hours.
- November 24 through November 26 The Unit remained at approximately 46% output for planned end-of-cycle fuel conservation.
- November 27 The Unit commenced a load increase to full power at 0152 hours. A nominal value of 100% output was achieved at 1050 hours.
- November 28 through November 30 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 BVPS Unit 2
 DATE Dec. 4, 1995
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-7553

MONTH November 1995

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>833</u>	17	<u>844</u>
2	<u>826</u>	18	<u>842</u>
3	<u>840</u>	19	<u>844</u>
4	<u>843</u>	20	<u>841</u>
5	<u>842</u>	21	<u>843</u>
6	<u>841</u>	22	<u>838</u>
7	<u>841</u>	23	<u>362</u>
8	<u>844</u>	24	<u>356</u>
9	<u>845</u>	25	<u>358</u>
10	<u>838</u>	26	<u>363</u>
11	<u>838</u>	27	<u>738</u>
12	<u>845</u>	28	<u>842</u>
13	<u>844</u>	29	<u>845</u>
14	<u>845</u>	30	<u>844</u>
15	<u>844</u>	31	<u>---</u>
16	<u>844</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: 12/06/95
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: NOVEMBER 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:	720.0	8016.0	70455.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	6913.3	60737.8
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	720.0	6873.0	60350.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1756431.0	17406025.0	149927347.0
17. GROSS ELECT. ENERGY GEN. (MWH):	587562.0	5748345.0	48800138.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	557126.0	5443302.0	46118307.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	85.7	85.7
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	85.7	85.7
21. UNIT CAPACITY FACTOR (MDC):PCT	94.4	82.8	79.4
22. UNIT CAPACITY FACTOR (DER):PCT	92.6	81.2	78.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.6	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 December 4, 1995
 Completed By David T. Jones
 Telephone (412) 393-7553

REPORT MONTH November 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
8	951122	S	0	H	5	N/A	22	ZZZZZ	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)

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