

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE
UNIT NO. 1
AUGUST 1988

August 1 through August 21 The unit operated at a nominal value of 100% output.

August 22 At 2040 hours the unit began reducing power in preparation for a unit shutdown following a detection of a chlorine gas leak from an Off-site source.

August 23 At 0126 hours the unit was shutdown while the Control Room Air Pressurization System was recharged. At 0135 hours the reactor was taken subcritical. At 1830 hours the reactor was taken critical. At 2220 hours the unit was synchronized and power was escalated to a nominal value of 100% output.

August 24 through August 26 The unit was operated at a nominal value of 100% output.

August 27 At 0001 hours a load reduction toward 50% output was initiated for core life extension.

August 28 The unit operated at a nominal value of 50% output.

August 29 At 0500 hours the unit's output was escalated to a nominal value of 100%.

August 30 through August 31 The unit operated at a nominal value of 100% output.

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UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH AUGUST 1988

DOCKET NO. 50- 384
 UNIT NAME BVPS Unit 1
 DATE September 12, 1988
 COMPLETED BY M. A. Winger
 TELEPHONE (412) 393-7621

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
13	880822	F	0	H	5	N/A	ZZ	ZZZZZZ	The unit's output was reduced in preparation for a unit shutdown following a chlorine gas leak from an offsite source.
14	880823	F	20.9	H	1	88-14	SG	ACCUMU	The unit was shutdown due to a chlorine gas leak from an offsite source.
15	880823	F	0	H	5	N/A	ZZ	ZZZZZZ	Power rampup after unit shutdown.
16	880827	S	0	F	5	N/A	RC	FUELXX	The unit's output was reduced to 50% to extend core life.

¹
 F Forced
 S Scheduled

²
 Reason
 A Equipment Failure (Explain)
 B Maintenance or Test
 C Refueling
 D Regulatory Restriction
 E Operator Training & License Examination
 F Administrative
 G Operational Error (Explain)
 H Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Continued From Previous Month
 5-Reduction
 9-Other

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (FER) File (NUREG-0161)

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 Exhibit I - Same Source

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 09/09/88
 COMPLETED BY: M.A.WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: AUGUST 1988
3. LICENSED THERMAL POWER (MWt): 2660
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	5855.0	108143.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	727.1	4333.1	63517.3
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	723.1	4262.3	61916.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1816437.0	10826517.0	147743836.5
17. GROSS ELECT. ENERGY GEN. (MWH):	579740.0	3505799.0	47371519.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	543470.0	3285177.0	44210870.0
19. UNIT SERVICE FACTOR: (PERCENT)	97.2	72.8	59.6
20. UNIT AVAILABILITY FACTOR: (PERCENT)	97.2	72.8	59.6
21. UNIT CAPACITY FACTOR (MDC): PCT	90.2	69.3	53.7
22. UNIT CAPACITY FACTOR (DER): PCT	87.5	67.2	52.1
23. UNIT FORCED OUTAGE RATE: (PERCENT)	2.8	2.8	18.7

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>

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
 UNIT BVPS Unit #1
 DATE Sept. 12, 1988
 COMPLETED BY M. A. Winger
 TELEPHONE (412) 393-7621

MONTH AUGUST 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	792	17	788
2	783	18	788
3	788	19	808
4	775	20	792
5	783	21	804
6	788	22	825
7	788	23	0
8	792	24	692
9	788	25	796
10	788	26	796
11	779	27	379
12	788	28	358
13	783	29	688
14	775	30	804
15	792	31	808
16	779		

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE
UNIT NO. 2
AUGUST 1988

August 1 through August 17 The unit operated at a nominal value of 100% output.

August 18 At 1115 hours the unit's output was reduced to 25% while verifying a potential breakdown of the unit's main transformer. At 1430 hours the unit's output was escalated to 100% after confirming the unit's main transformer was not faulted.

August 19 through August 21 The unit operated at a nominal value of 100% output.

August 22 At 2300 hours the unit's output was ramped down in preparation for a plant shutdown following a detection of a chlorine gas leak from an Off-site source.

August 23 At 0044 hours the unit was removed from service, while the Control Room air Pressurization System was recharged. At 0100 hours the reactor was taken subcritical. At 1330 hours the reactor was taken critical. At 1921 hours the reactor was shutdown to permit repairs to some potentially inoperable containment isolation valves.

August 24 The unit remained in Mode 4 to repair some potentially inoperable containment isolation valves.

August 25 The reactor was taken critical at 0330 hours. At 0811 hours the unit was synchronized and power output was escalated.

August 26 At 0530 hours the unit achieved 100% output.

August 27 through August 31 The unit operated at a nominal value of 100% output.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH August 1988

DOCKET NO. 50-412
 UNIT NAME BVPS Unit 2
 DATE September 12, 1988
 COMPLETED BY M.A. Winger
 TELEPHONE (412) 393-7621

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
13	880818	F	0	A	5	N/A	EB	TRANSF	Unit's output reduced to 25% while verifying a potential breakdown of the unit's main transformer.
14	880822	F	0	H	5	N/A	ZZ	ZZZZZZ	Unit's output reduced in preparation for plant shutdown.
15	880823	F	18.6	H	1	88-14	SG	ACCUMU	Unit removed from service due to a chlorine gas leak from an off-site source.
16	880823	F	36.8	B	1	N/A	SD	VALVEX	Unit remained shutdown to repair some potentially inoperable containment isolation valves.
17	880825	F	0	H	5	N/A	ZZ	ZZZZZZ	Power ramp up after unit shutdown.

¹
 F - Forced
 S - Scheduled

²
 Reason
 A - Equipment Failure (Explain)
 B - Maintenance or Test
 C - Refueling
 D - Regulatory Restriction
 E - Operator Training & License Examination
 F - Administrative
 G - Operational Error (Explain)
 H - Other (Explain)

³
 Method:
 1 - Manual
 2 - Manual Scram
 3 - Automatic Scram
 4 - Continued From Previous Month
 5 - Reduction
 9 - Other

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-016-11)

⁵
 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412

UNIT BVPS Unit 2

DATE 9/12/88

COMPLETED BY M. A. Winger

TELEPHONE (412) 393-7621

MONTH August 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	794
2	785
3	785
4	781
5	785
6	789
7	789
8	793
9	789
10	785
11	781
12	785
13	777
14	777
15	785
16	785

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	777
18	641
19	789
20	798
21	798
22	790
23	0
24	0
25	163
26	785
27	797
28	789
29	802
30	806
31	789

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 REPORT DATE: 09/09/88
 COMPLETED BY: M.A. WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: AUGUST 1988
3. LICENSED THERMAL POWER (MWt): 2660
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 836
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 885
7. MAX. DEPENDABLE CAPACITY (Net MWe): 833

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	5855.0	6926.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	699.4	5371.5	6337.0
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	688.6	5326.6	6276.4
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1783059.0	13796006.0	16181643.4
17. GROSS ELECT. ENERGY GEN. (MWH):	560800.0	4433700.0	5215900.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	528704.0	4190271.0	4928375.0
19. UNIT SERVICE FACTOR: (PERCENT)	92.6	91.0	90.6
20. UNIT AVAILABILITY FACTOR: (PERCENT)	92.6	91.0	90.6
21. UNIT CAPACITY FACTOR (MDC):PCT	85.3	85.9	85.4
22. UNIT CAPACITY FACTOR (DER):PCT	85.0	85.6	85.1
23. UNIT FORCED OUTAGE RATE: (PERCENT)	7.4	3.3	4.6

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>



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September 12, 1988


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 August, 1988.

Very truly yours,


J. D. Sieber
Vice President
Nuclear Group

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Enclosures

cc: NRC Regional Office
King of Prussia, PA

IE24
11