



Duquesne Light

Nuclear Group
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

August 9, 1990

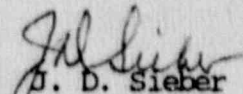
Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

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 July, 1990.

Very truly yours,


J. D. Sieber
Vice President
Nuclear Group

MAW/md

Enclosures

cc: NRC Regional Office
King of Prussia, PA

9008170016 900731
FDR ADOCK 05000334
R FDC

IE24
11

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 08/07/90
 COMPLETED BY: M.A. WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: JULY 1990
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	5087.0	124919.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	469.6	4649.9	76788.4
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	457.4	4613.3	75080.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1053499.0	11569242.0	177649297.5
17. GROSS ELECT. ENERGY GEN. (MWH):	332880.0	3770780.0	57040469.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	304590.0	3541470.0	53238620.0
19. UNIT SERVICE FACTOR: (PERCENT)	61.5	90.7	62.3
20. UNIT AVAILABILITY FACTOR: (PERCENT)	61.5	90.7	62.3
21. UNIT CAPACITY FACTOR (MDC): PCT	50.5	85.9	55.6
22. UNIT CAPACITY FACTOR (DER): PCT	49.0	83.4	53.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	3.0	16.8

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):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

FORECAST

N/A
 N/A
 N/A

ACHIEVED

N/A
 N/A
 N/A

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT I

JULY 1990

July 1 through July 12	The Unit operated at a 100% output with the Rod Position Indicator for Control Rod D-12 out of service.
July 13	At 1700 hours the Unit's output was reduced to 30% to permit trouble shooting the electrohydraulic control system for the Main Turbine. At 2152 hours the Unit's output was ramped down. At 2257 hours the Unit was removed from service to permit repairs to the rod position indicating system for the D-12 Control Rod. At 2300 hours the Unit entered Mode 3.
July 14 through July 15	The Unit remained in Mode 3.
July 16	At 0510 hours the Unit entered Mode 4.
July 17	At 0100 hours the Unit entered Mode 5.
July 18 through July 21	The Unit remained in Mode 5.
July 22	At 1905 hours the Unit entered Mode 4.
July 23	At 0410 hours the Unit entered Mode 3.
July 24	The Unit remained in Mode 3.
July 25	At 0921 hours the reactor was taken critical. At 2134 hours the Unit was synchronized and output was escalated to 30%.
July 26 through July 28	The Unit remained at 30% output to permit improvements to Secondary Steam Generator Water Chemistry.
July 29	At 0245 hours the Unit's output was escalated to a nominal value of 100%.
July 30 through July 31	The Unit operated at a nominal value of 100%.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JULY 1990

Docket No. SG-334
 Unit Name BVPS Unit #1
 Date August 7, 1990
 Completed By R.A. Winger
 Telephone (412) 393-6441

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action Prevent Recurrence
23	900701	F	0	H	9	2-90-009	IE	INSTRU	Rod Position Indicator for Rod D-12 was out of service.
24	900713	S	0	H	5	N/A	HA	INSTRU	Power reduction halted at 30% output to trouble shoot the Main Turbine's Electrohydraulic Control System.
25	900713	S	286.6	B	1	N/A	IE	INSTRU	Unit was shutdown to repair the Rod Position Indicator for the D-12 Control Rod.
26	900725	F	0	H	5	N/A	HB	WTECH	Unit's output maintained at 30% to allow improvements to secondary side steam generator water chemistry.

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 G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

5
 Exhibit I-Same Source.

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-334
 Unit BVPS Unit 1
 Date August 6, 1990
 Completed by M.A. Winger
 Telephone (412) 393-7621

MONTH July 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	796	17	0
2	808	18	0
3	804	19	0
4	783	20	0
5	783	21	0
6	808	22	0
7	804	23	0
8	800	24	0
9	783	25	0
10	792	26	167
11	800	27	167
12	804	28	163
13	652	29	528
14	0	30	800
15	0	31	808
16	0		

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: 08/07/90
 COMPLETED BY: M.A.WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: JULY 1990
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): 885
7. MAX. DEPENDABLE CAPACITY (Net MWe): 833

Notes

8. IF CHANGES OCCUR IN CAPACITY RATING 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	5087.0	23702.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	636.4	4979.4	20536.2
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	629.0	4972.0	20398.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1577454.0	10238102.0	49050846.4
17. GROSS ELECT. ENERGY GEN. (MWH):	491800.0	3276700.0	15742800.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	461030.0	3081311.0	14837786.0
19. UNIT SERVICE FACTOR: (PERCENT)	84.5	97.7	86.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	84.5	97.7	86.1
21. UNIT CAPACITY FACTOR (MDC): PCT	74.4	72.7	75.2
22. UNIT CAPACITY FACTOR (DER): PCT	74.1	72.5	74.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	15.5	2.3	5.6

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
 THE UNITS SECOND REFUELING OUTAGE IS SCHEDULED TO BEGIN SEPTEMBER 4, 1990 AND
 IS SCHEDULED TO LAST APPROXIMATELY 10 WEEKS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

FORECAST	ACHIEVED
N/A	N/A
N/A	N/A
N/A	N/A

NARRATIVE SUMMARY
MONTHLY OPERATING EXPERIENCE

UNIT II
JULY 1990

July 1	The Unit operated at 46% output to stretch the current fuel cycle.
July 2	At 0015 hours the Unit's output was escalated to 87% to stretch the current fuel cycle. At 0843 hours the Unit inadvertently tripped while testing relays in the Unit's switchyard.
July 3 through July 5	The Unit remained shutdown to repair the N31 Source Range Detector.
July 6	At 2022 hours the reactor was taken critical.
July 7	At 0342 the Unit was synchronized and output was escalated to a nominal value of 100%.
July 8 through July 31	The Unit operated at a nominal value of 100%.

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date August 7, 1990
 Completed By M.A. Winger
 Telephone (412) 393-7621

REPORT MONTH JULY 1990

No.	Date	Type ¹	Duration (Hours)	Method of Shutdown Down For ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
21	900701	S	0	5	N/A	ZZ	ZZZZZZ	The Unit operated at 46% output to stretch the current fuel cycle.
22	900702	F	115	3	2-90-008	1E	RELAYX	Unit inadvertently tripped while testing relays in the unit's switch yard.

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 G-Instructions for
 Preparation of Data Entry Sheets
 for Licensee Event Report (LER) File
 (NUREG0161).
⁵
 Exhibit I-Same Source.

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-412
 Unit BVPS Unit 2
 Date August 6, 1990
 Completed by M. A. Winger
 Telephone (412)393-7621

MONTH JULY 29

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>323</u>
2	<u>209</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>252</u>
8	<u>678</u>
9	<u>757</u>
10	<u>769</u>
11	<u>769</u>
12	<u>774</u>
13	<u>769</u>
14	<u>761</u>
15	<u>761</u>
16	<u>765</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>781</u>
18	<u>786</u>
19	<u>778</u>
20	<u>790</u>
21	<u>782</u>
22	<u>786</u>
23	<u>786</u>
24	<u>790</u>
25	<u>786</u>
26	<u>786</u>
27	<u>786</u>
28	<u>786</u>
29	<u>778</u>
30	<u>781</u>
31	<u>786</u>

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.