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July 8, 1994

Beaver Valley Power Station
Unit 1 - Docket No. 30-334, 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 June, 1994.

Respectfully,

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

DTJ/mmg

Enclosures

cc: NRC Regional Office
King of Prussia, PA



The Nuclear Professionals

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NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

JUNE 1994

June 1 The Unit continued to operate at a nominal value of 100% output until 1455 hours when a reactor trip occurred due to a turbine and generator trip caused by a fault in the Main Transformer. The Unit was subsequently stabilized in Mode 3.

June 2 At 1040 hours the Unit commenced a cooldown to Mode 5 to facilitate other outage maintenance and testing during replacement of the Main Transformer. Mode 4 was entered at 2252 hours.

June 3 Mode 5 was entered at 1315 hours.

June 4
through
June 30 The Unit remained in Mode 5 during the remainder of the report period to facilitate other outage maintenance and testing during replacement of the Main Transformer.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit 1
DATE July 5, 1994
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH June 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>503</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.: 50-334
 REPORT DATE: 07/05/94
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: JUNE 1994
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	4343.0	159239.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	14.9	3093.1	102624.0
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	14.9	3079.2	100622.4
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	39682.0	7993202.0	241398678.5
17. GROSS ELECT. ENERGY GEN. (MWH):	12980.0	2506540.0	77764063.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	7270.0	2441100.0	72660620.0
19. UNIT SERVICE FACTOR: (PERCENT)	2.1	70.9	65.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	2.1	70.9	65.1
21. UNIT CAPACITY FACTOR (MDC):PCT	1.2	69.4	58.8
22. UNIT CAPACITY FACTOR (DER):PCT	1.2	67.3	57.1
23. UNIT FORCED OUTAGE RATE: (PERCENT)	97.9	29.1	16.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS TENTH REFUELING OUTAGE ON
OCTOBER 14, 1994. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 70 DAYS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 07/08/94

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

FORECAST	ACHIEVED
<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>
<u>N/A</u>	<u>N/A</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS (≥20%)

Docket No. 50-334Unit Name BWPS Unit #1Date July 5, 1994Completed By David T. JonesTelephone (412) 393-7553REPORT MONTH JUNE 1994

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
7	940601	F	705.1	A	3	1-94-005	EG	TRANSF	A reactor trip occurred while at 100% output due to a turbine and generator trip caused by a fault in the Main Transformer. The Main Transformer is being replaced.

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

JUNE 1994

June 1 The Unit continued to operate at a nominal value of 100% output until 1455 hours when a reactor trip occurred due to a Reactor Coolant Pump (RCP) bus underfrequency. A fault in the Unit 1 Main Transformer caused a substation disturbance which resulted in the subsequent RCP bus underfrequency and reactor trip. The Unit was subsequently stabilized in Mode 3. At 2050 hours Source Range Detector N31 was declared inoperable due to a higher than expected count rate.

June 2 The Unit remained in Mode 3 while preparations were being made to replace Source Range Detector N31.

June 3 The Unit remained in Mode 3 while replacement of Source Range Detector N31 continued. At 1842 hours an Auxiliary Feedwater System (AFW) header check valve was declared inoperable due to a leak rate greater than allowed per Technical Specifications. At 1930 hours the Unit commenced a cooldown to Mode 5 to facilitate repairs to the check valve.

June 4 Mode 4 was entered at 0634 hours. Mode 5 was entered at 1844 hours.

June 5 The Unit remained in Mode 5 to repair the AFW header check valve. Source Range Detector N31 was replaced and returned to service at 1100 hours.

June 6
through
June 9 The Unit remained in Mode 5 to complete repairs to two other AFW header check valves.

June 10 Following completion of repairs to the AFW header check valves, the Unit commenced to heatup and entered Mode 4 at 1257 hours.

June 11 Mode 3 was entered at 0535 hours.

June 12 Mode 2 was entered at 1604 hours and the reactor was taken critical at 1646 hours. Mode 1 was entered at 2017 hours.

June 13 At 0553 hours the Main Unit Generator was synchronized to the electrical grid and a gradual increase in power was commenced. The Unit stabilized at approximately 29% output to permit improvements to Steam Generator secondary water chemistry.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 2

JUNE 1994
(Continued)

June 14	At 0015 hours an increase to full power was commenced. The Unit achieved approximately 100% output at 1005 hours.
June 15	The Unit operated at a nominal value of 100% output.
June 16	With unusually warm atmospheric conditions present, a load reduction to approximately 98% output was commenced at 1930 hours to stabilize condenser hotwell conditions. Once conditions in the condenser hotwell had improved, the Unit returned to full power at 2130 hours.
June 17	With continuing warm atmospheric conditions still present, periodic load reductions to a minimum output of approximately 97% were commenced at 1537 hours to stabilize condenser hotwell conditions.
June 18	Once conditions in the condenser hotwell had improved, the Unit was returned to full power at 0700 hours. With continuing warm atmospheric conditions present later in the day, periodic load reductions to a minimum output of approximately 97% were commenced at 1404 hours to stabilize condenser hotwell conditions. Once conditions in the condenser hotwell had improved, the Unit was returned to full power at 2300 hours.
June 19	With continuing warm atmospheric conditions still present, periodic load reductions to a minimum output of approximately 97% were commenced at 1336 hours to stabilize condenser hotwell conditions. Once conditions in the condenser hotwell had improved, the Unit was returned to full power at 2100 hours.
June 20	With continuing warm atmospheric conditions still present, periodic load reductions to a minimum output of approximately 98% were commenced at 1529 hours to stabilize condenser hotwell conditions. Once conditions in the condenser hotwell had improved, the Unit was returned to full power at 2056 hours.
June 21 through June 23	The Unit operated at a nominal value of 100% output.
June 24	With unusually warm atmospheric conditions present again, a load reduction to approximately 99% output was commenced at 1737 hours to stabilize condenser hotwell conditions. Once conditions in the condenser hotwell had improved, the Unit returned to full power at 1958 hours.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 2

JUNE 1994
(Continued)

June 25
through
June 30

The Unit operated 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 July 5, 1994
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH June 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>50</u>	17	<u>804</u>
2	<u>0</u>	18	<u>802</u>
3	<u>0</u>	19	<u>809</u>
4	<u>0</u>	20	<u>815</u>
5	<u>0</u>	21	<u>820</u>
6	<u>0</u>	22	<u>822</u>
7	<u>0</u>	23	<u>821</u>
8	<u>0</u>	24	<u>818</u>
9	<u>0</u>	25	<u>828</u>
10	<u>0</u>	26	<u>825</u>
11	<u>0</u>	27	<u>826</u>
12	<u>0</u>	28	<u>825</u>
13	<u>89</u>	29	<u>820</u>
14	<u>678</u>	30	<u>827</u>
15	<u>802</u>	31	<u>---</u>
16	<u>800</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: 07/05/94
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: JUNE 1994
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	4343.0	58022.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	454.2	4077.2	49407.5
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	441.0	4064.0	49060.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1121998.0	10659467.0	120891352.0
17. GROSS ELECT. ENERGY GEN. (MWH):	364016.0	3563877.0	39215882.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	337406.0	3380961.0	37031240.0
19. UNIT SERVICE FACTOR: (PERCENT)	61.3	93.6	84.6
20. UNIT AVAILABILITY FACTOR: (PERCENT)	61.3	93.6	84.6
21. UNIT CAPACITY FACTOR (MDC): PCT	57.1	94.9	77.3
22. UNIT CAPACITY FACTOR (DER): PCT	56.1	93.1	76.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	38.8	6.4	3.3

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

UNIT SHUTDOWNS AND POWER REDUCTIONS ($\geq 20\%$)REPORT MONTH JUNE 1994

Docket No. SD-412
 Unit Name BVPS Unit #2
 Date July 5, 1994
 Completed By David T. Jones
 Telephone (412) 393-7553

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
1	940601	F	52.6	H	3	2-94-005	EA	ELECOM	A reactor trip occurred while at 100% output due to a Reactor Coolant Pump (RCP) bus underfrequency. A fault in the Unit 1 Main Transformer caused a substation disturbance which resulted in the subsequent RCP bus underfrequency and reactor trip.
2	940603	F	226.4	H	9	N/A	SD	VALVEX	The Unit remained shutdown to repair Auxiliary Feedwater System header check valves which were declared inoperable due to leak rates greater than allowed per Technical Specifications.

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.