



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

L-00-108

August 4, 2000

**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, DC 20555**

Gentlemen:

In accordance with NRC Generic Letter 97-02, "Revised Contents of the Monthly Operating Report", and Unit 1 and 2 Technical Specification 6.9.4, the "Monthly Operating Report" is submitted for Unit 1 and Unit 2 for the month of July 2000.

Respectfully,

**Lew W. Myers
Senior Vice-President - Nuclear**

DTJ/slp
Enclosures
cc: NRC Regional Office
King of Prussia, PA

UNIT SHUTDOWNS

DOCKET NO. 50-334
UNIT NAME BVPS Unit #1
DATE August 2, 2000
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

REPORTING PERIOD: July 2000

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				Comments
8	000705	F	39.6	A	3	The Unit experienced a Reactor trip due to closure of all four Turbine Throttle Valves caused by a power supply fluctuation of the +15VDC bus in the Analog Electrohydraulic Control (EHC) System. A Turbine Throttle Valve circuit card was found failed during troubleshooting and was replaced.

(1) 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)

(2) Method

- 1 - Manual
- 2 - Manual Trip / Scram
- 3 - Automatic Trip / Scram
- 4 - Continuation
- 5 - Other (Explain)

SUMMARY:

The Unit began the report period operating at a nominal value of 100% output. On 07/02/00 at 0200 hours, the Unit reduced output to approximately 90% output to load follow. The Unit was returned to a nominal value of 100% output at 0947 hours on 07/02/00.

The Unit continued to operate at a nominal value of 100% output until 07/05/00 when the Unit experienced an automatic Reactor trip at 1307 hours. The Reactor trip resulted when all four Turbine Throttle Valves closed due to failure of a valve circuit card caused by a power supply fluctuation of the +15 VDC bus in the Analog Electrohydraulic Control (EHC) System. The Unit was stabilized in Mode 3. Following troubleshooting and replacement of the circuit card, the plant prepared for startup and entered Mode 2 at 2159 hours on 07/06/00. The Reactor was taken critical at 2252 hours and Mode 1 was entered at 2342 hours on 07/06/00. The Unit was synchronized to the electrical grid at 0445 hours on 07/07/00, and output was escalated towards 100% while ongoing cleaning of the Main Unit Condenser waterboxes continued. Power escalation was halted at approximately 99% output at 0640 hours on 07/08/00 due to Condenser hotwell operating limitations with a waterbox isolated for cleaning. Incremental load reductions to approximately 82% output were performed during the day in order to maintain hotwell conditions within limits with a waterbox isolated. Upon return of the last waterbox to service, the Unit commenced to return to full power at 1948 hours on 07/09/00. The Unit achieved a nominal value of 100% output at 2145 hours on 07/09/00.

UNIT SHUTDOWNS

DOCKET NO.	<u>50-334</u>
UNIT NAME	<u>BVPS Unit #1</u>
DATE	<u>August 2, 2000</u>
COMPLETED BY	<u>David T. Jones</u>
TELEPHONE	<u>(412) 393-4962</u>

REPORTING PERIOD: July 2000

SUMMARY (continued):

The Unit continued to operate at a nominal value of 100% output until 0511 hours on 07/14/00, when output was reduced to repair a seal leak on the "B" Main Feedwater Pump. An output of approximately 62% was achieved at 0830 hours on 07/14/00. Upon return of the "B" Main Feedwater Pump to service at 0520 hours on 07/15/00, the Unit was requested to hold at approximately 65% output to load follow until 0730 hours. The Unit commenced to return to full power at 0731 hours on 07/15/00. A nominal value of 100% output was achieved at 1200 hours on 07/15/00.

The Unit continued to operate at a nominal value of 100% output until 0202 hours on 07/28/00, when the Unit commenced to reduce output to approximately 60% to load follow. An output of approximately 62% was achieved at 0522 hours on 07/28/00. The Unit commenced to return to full power at 2202 hours on 07/30/00. A nominal value of 100% output was achieved at 0235 hours on 07/31/00. The Unit continued to operate at a nominal value of 100% output for the remainder of the report period.

In addition to the above, the following events which also occurred during the report period are being reported as required by Technical Specification 3.1.3.2 (Note 3). On 7/14/00 at 0644 hours during the load reduction to approximately 62% output, the Analog Rod Position Indication (ARPI) for Control Rod P-8 read greater than the Technical Specification limit of 12 steps and was declared inoperable. As power was reduced and rods were inserted, the ARPI for Control Rod P-8 recovered and read within the 12 step limit. The ARPI for Control Rod P-8 was then declared operable at 0755 hours. On 7/28/00 at 0330 hours during the load reduction to approximately 62% output, the Analog Rod Position Indication (ARPI) for Control Rod P-8 read greater than the Technical Specification limit of 12 steps and was declared inoperable. As power was reduced and rods were inserted, the ARPI for Control Rod P-8 recovered and read within the 12 step limit. The ARPI for Control Rod P-8 was then declared operable at 0526 hours.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 UNIT NAME: BVPS UNIT #1
 REPORT DATE: 08/02/00
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD: JULY 2000

1. DESIGN ELECTRICAL RATING (Net Mwe): 835

2. MAX. DEPENDABLE CAPACITY (Net Mwe): 810

 Notes
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	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	744.0	5111.0	212591.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	710.3	3825.0	140946.9
4. SERVICE HOURS GENERATOR ON LINE:	704.4	3758.0	138539.2
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	521789.0	2856020.0	102648120.0
7. GROSS ELECT. ENERGY GEN. (MWH):	556819.0	3041810.0	109705833.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1726698.0	9243924.0	338583160.5
9. UNIT AVAILABILITY FACTOR (%):	94.7	73.5	66.6
10. UNIT CAPACITY FACTOR (MDC) (%):	86.6	69.0	61.6
11. UNIT FORCED OUTAGE RATE (%):	5.3	1.7	17.4

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE August 2, 2000
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-4962

REPORTING PERIOD: July 2000

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions Comments
						NONE

(1) 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)

(2) Method

- 1 - Manual
- 2 - Manual Trip / Scram
- 3 - Automatic Trip / Scram
- 4 - Continuation
- 5 - Other (Explain)

SUMMARY:

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

OPERATING DATA REPORT

DOCKET NO.: 50-412
 UNIT NAME: BVPS UNIT #2
 REPORT DATE: 08/02/00
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD: JULY 2000
 1. DESIGN ELECTRICAL RATING (Net Mwe): 836
 2. MAX. DEPENDABLE CAPACITY (Net Mwe): 820

 Notes
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	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	744.0	5111.0	111374.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	5111.0	89914.9
4. SERVICE HOURS GENERATOR ON LINE:	744.0	5111.0	89296.1
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	614437.0	4090619.0	69249209.0
7. GROSS ELECT. ENERGY GEN. (MWH):	646831.0	4309401.0	73247097.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1969588.0	12990524.0	223902958.0
9. UNIT AVAILABILITY FACTOR (%):	100.0	100.0	80.2
10. UNIT CAPACITY FACTOR (MDC) (%):	100.7	97.6	75.6
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.0	11.4