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October 6, 1998

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 6.9.1.6, the "Monthly Operating Report" is submitted for Unit 1 and Unit 2 for the month of September, 1998.

Respectfully,

R. D. Brandt
Division Vice President,
Nuclear Operations Group
and Plant Manager

DTJ/slp

Enclosures

cc: NRC Regional Office
King of Prussia, PA

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The Nuclear Professionals

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PDR ADOCK 05000334
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UNIT SHUTDOWNS

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE October 2, 1998
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-4962

REPORTING PERIOD: September 1998

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 month of September 1998.

In addition to the above, the following event which also occurred during the report period is being reported as required by Technical Specification 3.1.3.2 Note (3). While in Mode 1, the Automatic Rod Position Deviation Monitor, although still functional, was not considered operable per Technical Specifications. The limiting condition for operation as specified in the Technical Specifications was met because the deviations between the indicated rod positions were verified to be within their 12 step limits by obtaining analog/digital rod positions at least once every 4 hours.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 UNIT NAME: BVPS UNIT #1
 REPORT DATE: 10/02/98
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD: SEPTEMBER 1998

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 Notes
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- 1. DESIGN ELECTRICAL RATING (Net MWe): 835
- 2. MAX. DEPENDABLE CAPACITY (Net MWe): 810

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	6551.0	196511.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	1408.8	127071.0
4. SERVICE HOURS GENERATOR ON LINE:	720.0	1349.2	124822.7
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	586470.0	996809.0	91855392.0
7. GROSS ELECT. ENERGY GEN. (MWH):	621360.0	1080849.0	98230045.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1909045.0	3350451.0	303620255.5
9. UNIT AVAILABILITY FACTOR (%):	100.0	20.6	65.1
10. UNIT CAPACITY FACTOR (MDC) (%):	100.6	18.8	59.8
11. UNIT FORCED OUTAGE RATE (%):	0.0	79.1	18.6

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE October 2, 1998
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-4962

REPORTING PERIOD: September 1998

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				Comments
12	980901	F	41.0	H	4	The Unit remained shutdown in Mode 5 to complete the resolution of Technical Specification compliance issues.
13	980902	F	405.0	A	4	The Unit remained shutdown in Mode 5 to complete modifications, repair and testing of Atwood & Morrill weighted arm check valves due to binding issues.
14	980919	F	95.0	A	4	The Unit remained shutdown in Mode 5 to complete repairs to several Borg-Warner control valves which were experiencing actuator problems.
15	980923	F	103.4	H	4	The Unit continued with startup activities from Mode 5 to Mode 1 following successful completion of work during the extended forced outage.
16	980927	F	25.8	A	5	While in Mode 1 at approximately 15% reactor power, but not yet synchronized to the electrical grid, the Unit experienced a generator overexcitation and turbine trip (reactor remained critical) caused by a failure of a contact in the exciter circuitry. The contact was replaced then bench tested prior to continuing with startup activities.
17	980928	F	1.2	H	4	The Unit continued with startup activities while in Mode 1 and was synchronized to the electrical grid at 2328 hours on 09/28/98.
18	980929	S	2.0	B	5	The Unit was removed from service to permit planned turbine overspeed trip testing (the reactor remained critical).

(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)

UNIT SHUTDOWNS

DOCKET NO.	<u>50-412</u>
UNIT NAME	<u>BVPS Unit #2</u>
DATE	<u>October 2, 1998</u>
COMPLETED BY	<u>David T. Jones</u>
TELEPHONE	<u>(412) 393-4962</u>

REPORTING PERIOD: September 1998

SUMMARY:

The Unit began the report period shutdown in Mode 5. Following resolution of Technical Specification compliance issues, completion of modifications, repair and testing of Atwood & Morrill weighted arm check valves, and completion of repairs to the actuators for several Borg-Warner control valves, the Unit began startup and entered Mode 4 at 1503 hours on 09/22/98. Mode 3 was entered at 1448 hours on 09/23/98. On 09/26/98, Mode 2 was entered at 0541 hours, the reactor was taken critical at 0902 hours and Mode 1 was entered at 1216 hours. While at approximately 15% reactor power, the Unit experienced a generator overexcitation and turbine trip (reactor remained critical) at 2026 hours on 09/27/98. This was caused by a failure of a contact in the exciter circuitry. The contact was replaced then bench tested, and the Unit was subsequently synchronized to the electrical grid at 2328 hours on 09/28/98. The Unit was subsequently removed from service at 1226 hours on 09/29/98 to permit planned turbine overspeed trip testing. Following a successful turbine overspeed trip test, the Unit was synchronized to the electrical grid at 1425 hours on 09/29/98, and output was increased. At 1150 hours on 09/30/98, the power increase was halted and output was stabilized at approximately 48% to permit required main steam safety valve testing. Following successful main steam safety valve testing and an acceptable quadrant power tilt ratio calculation, escalation to full power was begun at 0332 hours on 10/01/98. A nominal value of 100% output was achieved at 1410 hours on 10/01/98.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 UNIT NAME: BVPS UNIT #2
 REPORT DATE: 10/02/98
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD:	SEPTEMBER 1998	* * * * *
		*Notes
1. DESIGN ELECTRICAL RATING (Net MWe):	836	*
2. MAX. DEPENDABLE CAPACITY (Net MWe):	820	*
		* * * * *

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	6551.0	95294.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	111.0	111.0	75455.5
4. SERVICE HOURS GENERATOR ON LINE:	46.6	46.6	74896.0
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	0.0	0.0	57647298.0
7. GROSS ELECT. ENERGY GEN. (MWH):	8500.0	8500.0	61010172.0
8. GROSS THERMAL ENERGY GEN. (MWH):	59964.0	59964.0	186946437.0
9. UNIT AVAILABILITY FACTOR (%):	6.5	0.7	78.6
10. UNIT CAPACITY FACTOR (MDC) (%):	0.0	0.0	73.5
11. UNIT FORCED OUTAGE RATE (%):	93.5	99.3	12.6