



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

L-01-138

November 7, 2001

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 October 2001.

Respectfully,

Lew W. Myers
Senior Vice-President - Nuclear

DTJ/caj

Enclosures

cc: NRC Regional Office
King of Prussia, PA

JE24

UNIT SHUTDOWNS

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE November 2, 2001
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: October 2001

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				Comments
4	011001	S	193.4	C	4	The Unit was shut down for its scheduled 14 th refueling outage on 9/1/01, completing it on 10/9/01.

(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 shut down in Mode 5 while the scheduled 14th refueling outage continued. The Unit began to heat up and entered Mode 4 at 1231 hours on 10/4/01. Mode 3 was entered at 0555 hours on 10/5/01. Reactor startup was commenced with Mode 2 being entered at 0527 hours, and the Reactor being taken critical at 0616 hours on 10/8/01. Mode 1 was entered at 2051 hours on 10/8/01. The Unit was synchronized to the electrical grid at 0125 hours on 10/9/01, officially ending the 14th refueling outage. Output was then escalated to approximately 29% at 0515 hours on 10/9/01 for fuel preconditioning and to obtain core power distribution data for start-up testing. Following completion of a flux map at approximately 29% output, the Unit commenced to increase power at 2100 hours on 10/9/01 for fuel preconditioning. Power ascension was halted at approximately 62% output at 1244 hours on 10/10/01 to verify Technical Specification power distribution limits and to troubleshoot high bearing temperatures on the "B" Main Feedwater Pump. Following resolution of bearing temperature concerns with the "B" Main Feedwater Pump and subsequent completion of a flux map at approximately 62% output, the Unit commenced to increase power at 1641 hours on 10/11/01 for fuel preconditioning. Power ascension was halted at approximately 74% output at 2200 hours on 10/11/01 to reverify Technical Specification power distribution limits. Following completion of a flux map at approximately 74% output, the Unit commenced to increase power at 1448 hours on 10/12/01 for fuel preconditioning. Power ascension was halted at approximately 88% output at 2129 hours on 10/12/01 for calibration of nuclear instrumentation and to support the Power Uprate Project for increasing rated thermal power from 2652 MW thermal to 2689 MW thermal. Following completion of a flux map at approximately 88% output and required power uprate changes to support power ascension, the Unit commenced to increase power at 1312 hours on 10/17/01 for fuel preconditioning. Power ascension was halted at approximately 95% output at 1650 hours on 10/17/01 to allow additional power uprate changes to be made. Following completion of required power uprate changes to support power ascension, the Unit commenced to increase output to full rated power at 1555 hours on 10/20/01. A nominal output of 100% (2689 MW thermal) was achieved at 2220 hours on 10/20/01. The Unit continued to operate at a nominal value of 100% output for the remainder of the report period.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 UNIT NAME: BVPS UNIT #1
 REPORT DATE: 11/02/01
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: OCTOBER 2001
 1. DESIGN ELECTRICAL RATING (Net MWe): 835
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 810/821

 * Notes: Rated thermal power at *
 * BVPS-1 was uprated from 2652 Mwt *
 * to 2689 Mwt on 10/20/01. Net *
 * MDC was also uprated from *
 * 810 MWe to 821 MWe. *

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	745.0	7296.0	223560.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	570.7	6123.8	150743.7
4. SERVICE HOURS GENERATOR ON LINE:	551.6	6079.9	148292.1
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	404099.0	4894197.0	110569317.0
7. GROSS ELECT. ENERGY GEN. (MWH):	433889.0	5191227.0	118101640.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1328004.0	15785757.0	364093273.5
9. UNIT AVAILABILITY FACTOR (%):	74.0	83.3	67.8
10. UNIT CAPACITY FACTOR (MDC) (%):	66.6	82.8	63.0
11. UNIT FORCED OUTAGE RATE (%):	0.0	1.3	16.5

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE November 2, 2001
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: October 2001

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. However, on 10/30/01, at 1649 hours, the Unit began to increase rated thermal power from 2652 MW thermal to 2689 MW thermal to support the Power Uprate Project. A rated thermal power of 2689 MW thermal was achieved at approximately 2100 hours on 10/30/01.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 UNIT NAME: BVPS UNIT #2
 REPORT DATE: 11/02/01
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: OCTOBER 2001
 1. DESIGN ELECTRICAL RATING (Net MWe): 836
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 820/831

 * Notes: Rated thermal power at *
 * BVPS-2 was uprated from 2652 Mwt*
 * to 2689 Mwt on 10/30/01. Net *
 * MDC was also uprated from *
 * 820 MWe to 831 MWe. *

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	745.0	7296.0	122343.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	745.0	7248.1	99890.5
4. SERVICE HOURS GENERATOR ON LINE:	745.0	7238.6	99228.6
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	621248.0	5948872.0	77335311.0
7. GROSS ELECT. ENERGY GEN. (MWH):	653986.0	6260139.0	81767814.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1968825.0	18759528.0	249477590.0
9. UNIT AVAILABILITY FACTOR (%):	100.0	99.2	81.1
10. UNIT CAPACITY FACTOR (MDC) (%):	101.6	99.4	76.8
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.8	10.6