

# FENOC

FirstEnergy Nuclear Operating Company

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

L-03-156

October 8, 2003

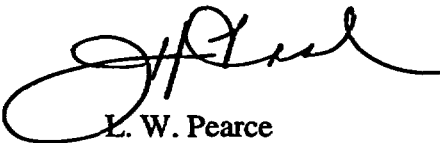
Beaver Valley Power Station  
Unit 1 - Docket No. 50-334, License No. DPR-66  
Unit 2 - Docket No. 50-412, License No. NPF-73  
Monthly Operating Report

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 September, 2003. No regulatory commitments are contained in this submittal.

Respectfully,



L. W. Pearce  
Vice-President BVPS

DTJ/cmg

Enclosures

cc: NRC Regional Office  
King of Prussia, PA

IE24

# UNIT SHUTDOWNS

DOCKET NO. 50-334  
 UNIT NAME BVPS Unit #1  
 DATE October 1, 2003  
 COMPLETED BY David T. Jones  
 TELEPHONE (724) 682-4962

REPORTING PERIOD: September 2003

No.	Date (Y/M/D)	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.: 50-334  
UNIT NAME: EVPS UNIT #1  
REPORT DATE: 10/01/03  
COMPLETED BY: DAVID T. JONES  
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: SEPTEMBER 2003

1. DESIGN ELECTRICAL RATING (Net MWe): 835

2. MAX. DEPENDABLE CAPACITY (Net MWe): 821

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\* Notes: Rated thermal power at \*  
\* EVPS-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:	720.0	6551.0	240335.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	5250.5	165842.0
4. SERVICE HOURS GENERATOR ON LINE:	720.0	5203.9	163315.9
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	602700.0	4157899.0	122813906.0
7. GROSS ELECT. ENERGY GEN. (MWH):	637630.0	4413317.0	131082907.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1934204.0	13462002.0	403733311.5
9. UNIT AVAILABILITY FACTOR (%):	100.0	79.4	69.4
10. UNIT CAPACITY FACTOR (MDC) (%):	102.0	77.3	64.9
11. UNIT FORCED OUTAGE RATE (%):	0.0	1.1	15.3

# UNIT SHUTDOWNS

DOCKET NO. 50-412  
 UNIT NAME BVPS Unit #2  
 DATE October 1, 2003  
 COMPLETED BY David T. Jones  
 TELEPHONE (724) 682-4962

REPORTING PERIOD: September 2003

No.	Date (Y/M/D)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions  Comments
1	030913	S	432.0	C	1	The Unit was shutdown for its planned 10 <sup>th</sup> refueling outage on 9/13/03.

(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 until 1806 hours on 9/11/03 when a planned reduction to less than 50% output was commenced in order to support Main Steam Safety Valve testing prior to the beginning of the 10<sup>th</sup> refueling outage. An output of approximately 48% was achieved at 0427 hours on 9/12/03. At 1910 hours on 9/12/03, the Unit began to shut down for its planned 10<sup>th</sup> refueling outage. The Unit was removed from service at 0001 hours on 9/13/03. Mode 2 was entered at 0036 hours. The Reactor was manually tripped as part of the planned shutdown and Mode 3 was entered at 0043 hours on 9/13/03. The Unit continued to cool down and depressurize, entering Mode 4 at 0340 hours and Mode 5 at 0600 hours on 9/13/03. The Unit entered Mode 6 at 0859 hours on 9/17/03, and remained in this refueling mode for the remainder of the report period.

# OPERATING DATA REPORT

DOCKET NO.: 50-412  
UNIT NAME: BVPS UNIT #2  
REPORT DATE: 10/01/03  
COMPLETED BY: DAVID T. JONES  
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: SEPTEMBER 2003

1. DESIGN ELECTRICAL RATING (Net MWe): 836  
2. MAX. DEPENDABLE CAPACITY (Net MWe): 831

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\* 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:	720.0	6551.0	139118.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	288.6	6119.6	115674.7
4. SERVICE HOURS GENERATOR ON LINE:	288.0	6119.0	114945.5
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	224608.0	5089493.0	90271896.0
7. GROSS ELECT. ENERGY GEN. (MWH):	238873.0	5354950.0	95386995.0
8. GROSS THERMAL ENERGY GEN. (MWH):	733841.0	16309075.0	290908686.0
9. UNIT AVAILABILITY FACTOR (%):	40.0	93.4	82.6
10. UNIT CAPACITY FACTOR (MDC) (%):	37.5	93.5	78.8
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.0	9.3