

FENOC

FirstEnergy Nuclear Operating Company

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

L-03-096

June 6, 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 May, 2003.

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 June 2, 2003
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: May 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 began the report period operating at approximately 29% output for fuel preconditioning and to complete obtaining core power distribution data for startup testing following its 15th refueling outage. Following completion of a flux map, the Unit began power ascension at approximately 0600 hours on 5/1/03 for fuel preconditioning. At 1355 hours on 5/1/03, power ascension was halted at approximately 45% output in order to allow chemistry conditions in the Steam Generators to return to specifications. At approximately 1100 hours on 5/2/03, the Unit resumed power ascension for fuel preconditioning. Power ascension was halted at approximately 73% output at 2315 hours on 5/2/03 in order to obtain additional core power distribution data and power range calibration data. Following completion of a flux map, power ascension was resumed at 1317 hours on 5/4/03. Power ascension was halted at approximately 88% output at 2130 hours on 5/4/03 in order to perform calibration of nuclear instrumentation. Following this calibration, the Unit resumed power ascension at 2057 hours on 5/6/03. Power ascension was halted at approximately 95% output at 2400 hours on 5/6/03 in order to perform calibration of Delta-t/Tavg instrumentation. Following this calibration, the Unit commenced to increase output to full power at 0145 hours on 5/7/03. At 0225 hours on 5/7/03, power ascension was halted due to a "Main Unit Generator Hot Gas Temperature High Deviation" alarm. Output was reduced approximately 1% at 0534 hours on 5/7/03 in order to clear the alarm. Following resolution of the problem, power ascension to full power was resumed at 1321 hours on 5/7/03. A nominal value of 100% output was achieved at approximately 1600 hours on 5/7/03.

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UNIT NAME	<u>BVPS Unit #1</u>
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COMPLETED BY	<u>David T. Jones</u>
TELEPHONE	<u>(724) 682-4962</u>

REPORTING PERIOD: May 2003

SUMMARY (continued):

The Unit continued to operate at a nominal value of 100% output until 1510 hours on 5/11/03 when output was reduced to approximately 94% at 1515 hours in order to stabilize Main Unit Condenser hotwell conditions due to low Condenser vacuum caused by tube fouling. As conditions in the Condenser hotwell improved, output was increased incrementally beginning at 1645 hours on 5/11/03. A nominal value to 100% output was achieved at 2337 hours on 5/11/03.

The Unit continued to operate at a nominal value of 100% output until 0010 hours on 5/14/03 when a planned reduction was begun to clean the Main Unit Condenser waterboxes. An output of approximately 90% was achieved at 0129 hours on 5/14/03. Upon completion of cleaning the Main Unit Condenser waterboxes, the Unit commenced to increase output to full power at 1000 hours on 5/22/03. A nominal value to 100% output was achieved at 1758 hours on 5/22/03.

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: 06/02/03
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: MAY 2003
 1. DESIGN ELECTRICAL RATING (Net MWe): 835
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 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:	744.0	3623.0	237407.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	2322.5	162914.0
4. SERVICE HOURS GENERATOR ON LINE:	744.0	2294.5	160406.5
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	559950.0	1742068.0	120398075.0
7. GROSS ELECT. ENERGY GEN. (MWH):	593100.0	1855756.0	128525346.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1827829.0	5664202.0	395935511.5
9. UNIT AVAILABILITY FACTOR (%):	100.0	63.3	69.0
10. UNIT CAPACITY FACTOR (MDC) (%):	91.7	58.6	64.4
11. UNIT FORCED OUTAGE RATE (%):	0.0	2.5	15.5

UNIT SHUTDOWNS

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

REPORTING PERIOD: May 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 began the report period operating at a nominal value of 100% output. At 2000 hours on 5/22/03, a planned reduction was begun to clean the Main Unit Condenser waterboxes. An output of approximately 75% was achieved at 2233 hours on 5/22/03. Upon completion of cleaning the "B" and "D" waterboxes in the Main Unit Condenser, the Unit commenced to increase output to full power at 1049 hours on 5/25/03. A nominal value to 100% output was achieved at 1700 hours on 5/25/03. The Unit continued to operate at a nominal value of 100% output for the remainder of the report period.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 UNIT NAME: BVPS UNIT #2
 REPORT DATE: 06/02/03
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: MAY 2003
 1. DESIGN ELECTRICAL RATING (Net MWe): 836
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 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:	744.0	3623.0	136190.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	3623.0	113178.1
4. SERVICE HOURS GENERATOR ON LINE:	744.0	3623.0	112449.5
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	610290.0	3043655.0	88226058.0
7. GROSS ELECT. ENERGY GEN. (MWH):	641579.0	3198909.0	93230954.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1953657.0	9684373.0	284283984.0
9. UNIT AVAILABILITY FACTOR (%):	100.0	100.0	82.6
10. UNIT CAPACITY FACTOR (MDC) (%):	98.7	101.1	77.8
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.0	9.5