

FENOC

FirstEnergy Nuclear Operating Company

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

L-02-056

May 7, 2002

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 April 2002.

Respectfully,



L. W. Pearce
Acting Site Vice-President

DTJ/caj

Enclosures

cc: NRC Regional Office
King of Prussia, PA

IE24

UNIT SHUTDOWNS

DOCKET NO. 50-334
 UNIT NAME BVPS Unit #1
 DATE May 2, 2002
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: April 2002

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 95% output. This was being done in order to maintain reduced loading on the outboard motor bearings of the "A" Main Feedwater Pump until a planned power reduction to replace the motor bearings could be started on 4/2/02. Outboard motor bearing temperatures had been running higher in the previous month. At 0052 hours on 4/2/02, the Unit began a power reduction to approximately 63% output in order to replace the motor bearings on the "A" Main Feedwater Pump. An output of approximately 63% was achieved at 0353 hours on 4/2/02. Cleaning of the "C" and "D" Main Unit Condenser Waterboxes was also performed during this planned reduction. Upon completion of repairs, the Unit commenced a return to full power at 0446 hours on 4/5/02. A nominal value of 100% output was achieved at 1100 hours on 4/5/02.

The Unit continued to operate at a nominal value of 100% output until 2110 hours on 4/12/02 when a planned power reduction to approximately 90% output was begun in order to clean the "A" and "B" Main Unit Condenser Waterboxes. An output of approximately 90% was achieved at 2215 hours on 4/12/02. However, with the "A" Condenser Waterbox isolated and degrading Condenser vacuum conditions indicated, the Unit performed several unplanned incremental load reductions between 0750 and 1247 hours on 4/13/02 as a conservative action based on available Condenser vacuum indications, until the "A" Condenser Waterbox was returned to service. With the Unit operating at approximately 80% output, a return to approximately 90% output was commenced at 1532 hours on 4/13/02. An output of approximately 90% was achieved at 1656 hours on 4/13/02. The "B" Condenser Waterbox was removed from service and cleaned without any degrading Condenser vacuum conditions occurring. At 1331 hours on 4/14/02, the Unit commenced a return to full power. A nominal value of 100% output was achieved at 1500 hours on 4/14/02. 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: 05/02/02
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: APRIL 2002
 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:	719.0	2879.0	227903.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2879.0	154960.5
4. SERVICE HOURS GENERATOR ON LINE:	719.0	2879.0	152500.9
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	567550.0	2367910.0	114034053.0
7. GROSS ELECT. ENERGY GEN. (MWH):	601370.0	2505980.0	121772766.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1837779.0	7619403.0	375254208.5
9. UNIT AVAILABILITY FACTOR (%):	100.0	100.0	68.4
10. UNIT CAPACITY FACTOR (MDC) (%):	96.1	100.2	63.7
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.0	16.2

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE May 2, 2002
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: April 2002

No.	Date (Y/M/D)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
						Comments
3	020405	F	17.9	A	1	The Unit was shut down to Mode 2 (Reactor remained critical) due to degraded chemistry conditions in the Steam Generators caused by a tube leak in the "C" Waterbox of the Main Unit Condenser. The tube leak was repaired, and once chemistry conditions in the Steam Generators improved, the Unit was returned to full power.

(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 until 0100 hours on 4/4/02 when a planned power reduction to approximately 90% output was begun in order to remove the "C" Main Unit Condenser Waterbox from service for cleaning. An output of approximately 90% was achieved at 0200 hours on 4/4/02. With the "C" Condenser Waterbox isolated, the Unit commenced to return to full power at 0358 hours on 4/4/02. A nominal value of 100% output was achieved at 0455 hours on 4/4/02.

The Unit continued to operate at a nominal value of 100% output until 0100 hours on 4/5/02 when a planned power reduction to approximately 90% output was begun in order to remove the "B" Main Unit Condenser Waterbox from service for cleaning. An output of approximately 90% was achieved at 0150 hours on 4/5/02. With the "B" Condenser Waterbox isolated, the Unit commenced a return to full power at 0236 hours on 4/5/02. A nominal value of 100% output was achieved at 0347 hours on 4/5/02.

However, with degrading chemistry conditions occurring in the Steam Generators, an unplanned power reduction to approximately 90% output was begun at 0623 hours on 4/5/02 in order to investigate a potential tube leak in the "C" Waterbox of the Main Unit Condenser. At 0758 hours on 4/5/02, the Unit commenced a shut down due to degraded chemistry conditions in the Steam Generators. The Unit was taken off-line at 1424 hours on 4/5/02 and entered Mode 2 at 1443 hours on 4/5/02 with the Reactor remaining critical. Once the tube leak in the "C" Condenser Waterbox was

UNIT SHUTDOWNS

DOCKET NO.	<u>50-412</u>
UNIT NAME	<u>BVPS Unit #2</u>
DATE	<u>May 2, 2002</u>
COMPLETED BY	<u>David T. Jones</u>
TELEPHONE	<u>(724) 682-4962</u>

REPORTING PERIOD: April 2002

SUMMARY (continued):

repaired and chemistry conditions in the Steam Generators improved, the Unit commenced to startup, entering Mode 1 at 0603 hours on 4/6/02. The Unit was synchronized to the electrical grid at 0817 hours on 4/6/02 and commenced to return to full power. A nominal value of 100% output was achieved at 2400 hours on 4/6/02.

The Unit continued to operate at a nominal value of 100% output until 2200 hours on 4/20/02 when a planned power reduction to approximately 75% output was begun in order to clean the "B" Main Unit Condenser Waterbox. An output of approximately 75% was achieved at 0017 hours on 4/21/02. Upon completion of cleaning the "B" Condenser Waterbox, the Unit commenced to return to full power at 1650 hours on 4/21/02. A nominal value of 100% output was achieved at 1925 hours on 4/21/02.

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: 05/02/02
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: APRIL 2002
 1. DESIGN ELECTRICAL RATING (Net MWe): 836
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 831

 * Note: 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:	719.0	2879.0	126686.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2319.6	103674.1
4. SERVICE HOURS GENERATOR ON LINE:	701.1	2287.8	102980.4
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	577393.0	1789764.0	80367856.0
7. GROSS ELECT. ENERGY GEN. (MWH):	608248.0	1891744.0	84966487.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1842917.0	5727455.0	259135036.0
9. UNIT AVAILABILITY FACTOR (%):	97.5	79.5	81.3
10. UNIT CAPACITY FACTOR (MDC) (%):	96.6	74.8	76.9
11. UNIT FORCED OUTAGE RATE (%):	2.5	0.8	10.3