FENOC

FirstEnergy Nuclear Operating Company

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

L-02-037

April 5, 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 March 2002.

Respectfully,

Lew W. Myers
Senior Vice-President - Nuclear

DTJ/caj

Enclosures

cc: NRC Regional Office
King of Prussia, PA

IE24

UNIT SHUTDOWNS

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

REPORTING PERIOD: March 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 a nominal value of 100% output until 1606 hours on 3/29/02 when a load reduction to approximately 93% output was begun. The load reduction was being done in order to remove the "A" Main Feedwater Pump from service due to high motor outboard bearing temperatures exceeding operating limits. In parallel with the load reduction, additional ventilation had been put in place to aid in cooling the motor outboard bearing. The load reduction was halted at approximately 93% output at 1611 hours on 3/29/02, when motor outboard bearing temperatures decreased below operating limits. Once motor outboard bearing temperatures had stabilized at acceptable levels, the Unit increased output slightly to approximately 95% at 0504 hours on 3/30/02 in order to counter Xenon burnout and to match Tavg/Tref. The Unit remained operating at approximately 95% output for the remainder of the report period in order to maintain reduced loading on the motor bearing until a power reduction to complete repairs could be started on 4/2/02.

OPERATING DATA REPORT

DOCKET NO.: 50-334
UNIT NAME: BVPS UNIT #1
REPORT DATE: 04/02/02
COMPLETED BY: DAVID T. JONES
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: MARCH 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:	744.0	2160.0	227184.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	744.0	2160.0	154241.5
4.	SERVICE HOURS GENERATOR ON LINE:	744.0	2160.0	151781.9
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	620560.0	1800360.0	113466503.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	656180.0	1904610.0	121171396.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	1989618.0	5781624.0	373416429.5
9.	UNIT AVAILABILITY FACTOR (%):	100.0	100.0	68.3
10.	UNIT CAPACITY FACTOR (MDC) (%):	101.6	101.5	63.6
11.	UNIT FORCED OUTAGE RATE (%):	0.0	0.0	16.2

UNIT SHUTDOWNS

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

REPORTING PERIOD: March 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 report period began with the Unit operating at approximately 39% output while power ascension continued for fuel preconditioning following completion of the ninth refueling outage. Power ascension was halted at approximately 70% output at 1230 hours on 3/1/02 to verify Technical Specification power distribution limits. Following completion of a flux map at approximately 70% output, the Unit commenced to increase power at 1001 hours on 3/3/02 for fuel preconditioning. Power ascension was halted at approximately 86% output at 1630 hours on 3/3/02 for calibration of nuclear instrumentation. Following completion of calibration of nuclear instrumentation, the Unit commenced to increase power at 0440 hours on 3/4/02. Power ascension was halted at approximately 97% output at 1130 hours on 3/4/02 to perform a heat balance and to perform calibration of Delta-T/Tavg instrumentation. Following completion of calibration of Delta-T/Tavg instrumentation, the Unit commenced to increase output to full power at 2355 hours on 3/4/02. A nominal value of 100% output was achieved at 0100 hours on 3/5/02.

The Unit continued to operate at a nominal value of 100% output until 2000 hours on 3/15/02, when a load reduction to approximately 43% output was commenced to replace the stub shafts and shaft sleeves and to repack the "B" and "A" Heater Drain Pumps. An output of approximately 43% was achieved at 0134 hours on 3/16/02. Following completion of repairs, the Unit commenced to return to full power at 1156 hours on 3/20/02. A nominal value of 100% output was achieved at 0200 hours on 3/21/02.

UNIT SHUTDOWNS

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

REPORTING PERIOD: March 2002

SUMMARY (continued):

The Unit continued to operate at a nominal value of 100% output until 2100 hours on 3/29/02 when a load reduction to approximately 43% output was commenced to perform a balance move on the "A" Heater Drain Pump in order to reduce high vibrations and to repack the "A" and "B" Heater Drain Pumps due to continued leakage. An output of approximately 43% was achieved at 0213 hours on 3/30/02. Following completion of repairs, the Unit commenced to return to full power at 0212 hours on 3/31/02. A nominal value of 100% output was achieved at 1100 hours on 3/31/02. 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: 04/02/02
COMPLETED BY: DAVID T. JONES
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: MARCH 2002

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	2160.0	125967.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	744.0	1600.6	102955.1
4.	SERVICE HOURS GENERATOR ON LINE:	744.0	1586.7	102279.3
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	532627.0	1212371.0	79790463.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	563088.0	1283496.0	84358239.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	1709979.0	3884538.0	257292119.0
9.	UNIT AVAILABILITY FACTOR (%):	100.0	73.5	81.2
10.	UNIT CAPACITY FACTOR (MDC) (%):	86.1	67.5	76.8
11.	UNIT FORCED OUTAGE RATE (%):	0.0	0.0	10.3