FENOC

FirstEnergy Nuclear Operating Company

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

L-03-077

May 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 April, 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 May 1, 2003
COMPLETED BY David T. Jones
TELEPHONE (724) 682-4962

REPORTING PERIOD: April 2003

No.	Date (Y/M/D)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions Comments
2	030401	S	693.7	C	4	The Unit was shutdown for its planned 15th refueling outage on 3/8/03. The originally planned 37 day refueling outage was extended approximately 16 days in order to allow for repair of minor surface cracks on four of 65 control rod drive mechanism nozzles found during inspection of the reactor vessel head and nozzles, and to investigate a rub near the high pressure main unit turbine coupling found during startup of the turbine. The Unit completed its 15th refueling outage on 4/29/03.

(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 began the report period shut down in Mode 6 during its planned 15th refueling outage. The originally planned 37 day refueling outage was extended in order to allow for repair of minor surface cracks on four of 65 control rod drive mechanism nozzles found during inspection of the reactor vessel head and nozzles. Following the above repairs, Mode 5 was entered at 0725 hours on 4/17/03. The Unit began to heat up entering Mode 4 at 0619 hours on 4/24/03. Mode 3 was entered at 0825 hours on 4/25/03. Mode 2 was entered at 1340 hours and the reactor was taken critical at 1433 hours on 4/27/03. At 0213 hours on 4/28/03, the Unit was returned to Mode 3 in order to investigate a rub near the high-pressure main unit turbine coupling found during startup of the turbine. Following resolution of this investigation, the Unit was returned to Mode 2 at 1205 hours on 4/29/03. The reactor was taken critical at 1243 hours with Mode 1 entered at 1343 hours on 4/29/03. The Unit was synchronized to the electrical grid at 2240 hours on 4/29/03 officially ending the 15th refueling outage. Output was then escalated to approximately 29% for fuel preconditioning and to obtain core power distribution data for startup testing. The Unit remained at approximately 29% output through the remainder of the report period.

OPERATING DATA REPORT

DOCKET NO.: 50-334
UNIT NAME: BVPS UNIT #1
REPORT DATE: 05/01/03
COMPLETED BY: DAVID T. JONES
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: APRIL 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:	719.0	2879.0	236663.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	47.0	1578.5	162170.0
4.	SERVICE HOURS GENERATOR ON LINE:	25.3	1550.5	159662.5
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	0.0	1182118.0	119838125.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	4238.0	1262656.0	127932246.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	22364.0	3836373.0	394107682.5
9.	UNIT AVAILABILITY FACTOR (%):	3.5	53.9	68.9
10.	UNIT CAPACITY FACTOR (MDC) (%):	0.0	50.0	64.3
11.	UNIT FORCED OUTAGE RATE (%):	0.0	3.7	15.6

UNIT SHUTDOWNS

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

REPORTING PERIOD: April 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.: 50-412
UNIT NAME: BVPS UNIT #2
REPORT DATE: 05/01/03
COMPLETED BY: DAVID T. JONES
TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: APRIL 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:	719.0	2879.0	135446.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2879.0	112434.1
4.	SERVICE HOURS GENERATOR ON LINE:	719.0	2879.0	111705.5
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	606685.0	2433365.0	87615768.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	638007.0	2557330.0	92589375.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	1930985.0	7730716.0	282330327.0
9.	UNIT AVAILABILITY FACTOR (%):	100.0	100.0	82.5
10.	UNIT CAPACITY FACTOR (MDC) (%):	101.5	101.7	77.8
11.	UNIT FORCED OUTAGE RATE (%):	0.0	0.0	9.5