FENOC
FirstEnergy Nuclear Operating Company

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

L-01-065

May 7, 2001

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 2001.

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 May 2, 2001
COMPLETED BY David T. Jones
TELEPHONE (724) 682-4962

REPORTING PERIOD: April 2001

No.	Date	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions Comments
1	010420	S	222.4	B	1	The Unit was shut down to cold shutdown conditions to replace the "A" and "B" Reactor Coolant Pump seals due to erratic seal leakage. The cause for the erratic seal leakage was due to iron oxide particulate deposition on the No. 1 seal faces. This has been corrected by installing new silicone nitride seals that have a greater resistance to particulate accumulation and by using a finer filtration system. The "C" Reactor Coolant Pump seal was not substantially affected and will be replaced with the new silicone nitride seal during the upcoming 14th refueling outage in September 2001.

(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 1500 hours on 4/19/01, when a planned shutdown was commenced to replace the seals on the "A" and "B" Reactor Coolant Pumps. The Unit was taken off-line at 0000 hours on 4/20/01. Mode 2 was entered at 0021 hours, Mode 3 was entered at 0038 hours, Mode 4 was entered at 0408 hours, and Mode 5 (cold shutdown) was entered at 1121 hours on 4/20/01. Upon completion of the seal replacements on the "A" and "B" Reactor Coolant Pumps and required surveillance testing during cold shutdown, the Unit commenced to heat up and entered Mode 4 at 0039 hours on 4/28/01. Mode 3 was entered at 0615 hours on 4/28/01. Mode 2 was entered at 0217 hours, and the Reactor was taken critical at 0247 hours on 4/29/01. Mode 1 was entered at 0318 hours, and the Unit was synchronized to the electrical grid at 0623 hours on 4/29/01. Output was then escalated to full power with a nominal value of 100% output achieved at 0300 hours on 4/30/01. 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:	05/02/01
COMPLETED BY:	DAVID T. JONES
TELEPHONE:	(724) 682-4962

1a. REPORTING PERIOD: APRIL 2001

1. DESIGN ELECTRICAL RATING (Net Mwe): 835

2. MAX. DEPENDABLE CAPACITY (Net Mwe): 810

*Notes

		THIS MONTH	YEAR TO DATE	CUMULATIVE
3a.	HOURS IN REPORTING PERIOD:	719.0	2879.0	219143.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	500.9	2660.9	147280.8
4.	SERVICE HOURS GENERATOR ON LINE:	496.6	2656.6	144868.8
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	398057.0	2157907.0	107833027.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	424887.0	2286797.0	115197210.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	1287692.0	6914444.0	355221960.5
9.	UNIT AVAILABILITY FACTOR (%):	69.1	92.3	67.6
10.	UNIT CAPACITY FACTOR (MDC) (%):	68.3	92.5	62.7
11.	UNIT FORCED OUTAGE RATE (%):	0.0	0.0	16.8

UNIT SHUTDOWNS

DOCKET NO. 50-412
UNIT NAME BVPS Unit #2
DATE May 2, 2001
COMPLETED BY David T. Jones
TELEPHONE (724) 682-4962

REPORTING PERIOD: April 2001

No.	Date	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 / Licenee 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 0729 hours on 4/9/01, when output was reduced to approximately 97.5% in support of a planned calibration of Loop I Delta-T/Tavg. Output was reduced to gain extra margin as a conservative measure in order to prevent a possible turbine runback during the calibration of Loop I Delta-T/Tavg with the other loops fluctuating high. Following completion of the calibration, output was restored to a nominal value of 100% output at 2225 hours on 4/10/01. The Unit continued to operate at a nominal value of 100% output until 1900 hours on 4/12/01, when a reduction to approximately 40% output was commenced to repack the "A" and "B" Heater Drain Pumps. An output of approximately 40% was achieved at 0040 hours on 4/13/01. Following repack of the "A" and "B" Heater Drain Pumps, the Unit commenced to return to full power at 0810 hours on 4/16/01. A nominal value of 100% output was achieved at 1615 hours on 4/16/01. The Unit continued to operate at a nominal value of 100% output until 2200 hours on 4/21/01, when a reduction to approximately 45% output was commenced to load follow per the System Load Dispatcher's request. An output of approximately 45% was achieved at 0250 hours on 4/22/01. At 0700 hours on 4/22/01, the Unit commenced to return to full power. At 1122 hours on 4/22/01, the return to full power was halted at approximately 95% output to support a planned calibration of Loop II Delta-T/Tavg in order to gain extra margin as a conservative measure in order to prevent a possible turbine runback during the calibration. Following completion of the calibration, output was restored to a nominal value of 100% output at 1007 hours on 4/23/01. 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:	05/02/01
COMPLETED BY:	DAVID T. JONES
TELEPHONE:	(724) 682-4962

1a. REPORTING PERIOD: APRIL 2001

1. DESIGN ELECTRICAL RATING (Net Mwe): 836

2. MAX. DEPENDABLE CAPACITY (Net Mwe): 820

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		THIS MONTH	YEAR TO DATE	CUMULATIVE
3a.	HOURS IN REPORTING PERIOD:	719.0	2879.0	117926.0
3.	NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2831.1	95473.5
4.	SERVICE HOURS GENERATOR ON LINE:	719.0	2821.6	94811.6
5.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6.	NET ELECTRICAL ENERGY GEN. (MWH):	552362.0	2292877.0	73679316.0
7.	GROSS ELECT. ENERGY GEN. (MWH):	582861.0	2410584.0	77918259.0
8.	GROSS THERMAL ENERGY GEN. (MWH):	1748718.0	7202456.0	237920518.0
9.	UNIT AVAILABILITY FACTOR (%):	100.0	98.0	80.4
10.	UNIT CAPACITY FACTOR (MDC) (%):	93.7	97.1	76.0
11.	UNIT FORCED OUTAGE RATE (%):	0.0	2.0	11.0