

FENOC

FirstEnergy Nuclear Operating Company

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

L-03-201

December 5, 2003

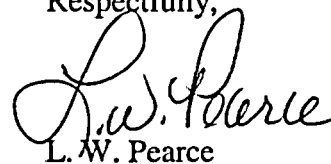
Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

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 November, 2003. No regulatory commitments are contained in this submittal.

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

REPORTING PERIOD: November 2003

No.	Date (Y/M/D)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
						Comments
4	031113	F	27.1	H	3	The Unit experienced an automatic Reactor trip following an inadvertent Turbine trip from 100% output during a Solid State Protection System Train B Bi-Monthly Test. This was caused when an I&C Technician inadvertently connected a digital voltmeter to read resistance across the relay contacts for the Reactor Trip Breaker instead of the Reactor Trip Bypass Breaker. This resulted in the opening of the Reactor Trip Breakers thus causing a Turbine trip, and since the Unit was operating above 49% output, an automatic Reactor trip also occurred.

(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. On 11/13/03 at 1136 hours, the Unit experienced an automatic Reactor trip following an inadvertent Turbine trip during a Solid State Protection System Train B Bi-Monthly Test. The Unit was subsequently stabilized in Mode 3. Following an investigation into the cause of the trip, the Unit began to startup entering Mode at 1039 hours on 11/14/03. The Reactor was taken critical at 1120 hours and Mode 1 was entered at 1158 hours on 11/14/03. The Unit was then synchronized to the electrical grid at 1441 hours on 11/14/03, and escalation to 100% output was begun. Power ascension was halted at approximately 44% output, and a 10% load reduction was begun at 1813 hours on 11/14/03 in order to repair No. 1 Governor Valve oscillations. The load reduction was halted at approximately 34% output at 1844 hours on 11/14/03. Following repair of GV-1, the Unit commenced its return to full power at 0400 hours on 11/15/03. A nominal value of 100% output was achieved at 0333 hours on 11/16/03. 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: 12/01/03
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: NOVEMBER 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:	720.0	8016.0	241800.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	696.3	6691.8	167283.3
4. SERVICE HOURS GENERATOR ON LINE:	692.9	6641.8	164753.8
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	568836.0	5353835.0	124009842.0
7. GROSS ELECT. ENERGY GEN. (MWH):	603016.0	5679453.0	132349043.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1817339.0	17280361.0	407551670.5
9. UNIT AVAILABILITY FACTOR (%):	96.2	82.9	69.5
10. UNIT CAPACITY FACTOR (MDC) (%):	96.2	81.4	65.1
11. UNIT FORCED OUTAGE RATE (%):	3.8	1.3	15.2

UNIT SHUTDOWNS

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

REPORTING PERIOD: November 2003

No.	Date (Y/M/D)	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				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. On 11/5/03 at 0228 hours, the Unit began to reduce thermal power to less than 2652 MWt due to failure of the Leading Edge Flow Meter (LEFM). A corresponding electrical output of approximately 98% was achieved at 0304 hours on 11/5/03. Upon returning the LEFM to operable status, the Unit commenced to return to full electrical and thermal power at 2145 hours on 11/5/03. Full power was achieved at 2209 hours on 11/5/03.

The Unit continued to operate at a nominal value of 100% output until 0001 hours on 11/30/03 when a 10% load reduction was commenced in order to support a planned calibration of Loop II Delta-T/Tavg. Output was reduced to approximately 90% at 0107 hours on 11/30/03 in order to gain extra margin as a conservative measure in order to prevent a possible Turbine runback or plant trip during the calibration of Loop II with Loop I experiencing fluctuations high. Following completion of the calibration, the Unit commenced to return to full power at 0455 hours on 11/30/03. A nominal value of 100% output was achieved at 0558 hours on 11/30/03. 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: 12/01/03
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: NOVEMBER 2003
 1. DESIGN ELECTRICAL RATING (Net MWe): 836
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 831

 * Note: Rated thermal power at *
 * BVPS-2 was updated from 2652 MWt *
 * to 2689 MWt on 10/30/01. Net *
 * MDC was also updated from *
 * 820 MWe to 831 MWe. *

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	8016.0	140583.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	7309.4	116864.5
4. SERVICE HOURS GENERATOR ON LINE:	720.0	7293.9	116120.4
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	607771.0	6004682.0	91187085.0
7. GROSS ELECT. ENERGY GEN. (MWH):	638771.0	6323505.0	96355550.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1931584.0	19259769.0	293859380.0
9. UNIT AVAILABILITY FACTOR (%):	100.0	91.0	82.6
10. UNIT CAPACITY FACTOR (MDC) (%):	101.6	90.1	78.8
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.4	9.2