

FENOC

FirstEnergy Nuclear Operating Company

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

L-02-116

December 6, 2002

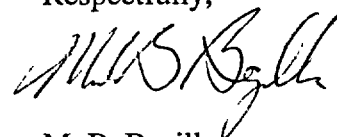
Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

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 November 2002.

Respectfully,



M. B. Bezilla
Vice-President

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 3, 2002
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: November 2002

No.	Date (Y/M/D)	Type F: Forced S: Scheduled	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
						Comments
1	021111	S	216.0	B	2	While shutting down for a "scheduled" 9 day maintenance outage and with the Unit operating at approximately 53% output, the reactor was manually tripped due to a turbine motoring condition alarm from the turbine anti-motoring circuit. The cause for the alarm was due to failure of a high-low pressure turbine differential pressure indicator. The indicator was replaced with a different model instrument.
2	021120	F	53.9	A	4	Startup from the 9 day scheduled maintenance outage was forced to be extended for the following reasons: 1. To repack the "B" Motor-Driven Auxiliary Feedwater Pump. 2. To repair a packing leak on an RCS Wide Range Pressure Transmitter Isolation Valve located inside Containment. 3. To adjust the Main Unit Generator voltage regulator in order to support synchronization of the Unit.

(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. At 1520 hours on 11/11/02, the Unit began to shutdown for a planned maintenance outage to clean and inspect the reactor vessel head and to enhance the performance of the Unit's steam supply and cooling water systems. At 1946 hours on 11/11/02 while at approximately 53% output, the reactor was manually tripped due to a turbine motoring condition alarm. The Unit was stabilized in Mode 3. The Unit continued to cooldown and depressurize, entering Mode 4 at 0143 hours on 11/12/02. During the

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COMPLETED BY	<u>David T. Jones</u>
TELEPHONE	<u>(724) 682-4962</u>

REPORTING PERIOD: November 2002

SUMMARY (continued):

depressurization of the reactor coolant system (RCS), one of the Pressurizer Power Operated Relief Valves (PORV's) was cycled three times per station shutdown procedures in order to reduce RCS pressure from 975 psig to 475 psig. (Note: Because this event was considered to be a challenge to a PORV, it is being reported in the Monthly Operating Report as required by Technical Specification 6.9.4.) The Unit continued to cooldown and depressurize, but could not enter Mode 5 (cold shutdown) until the Residual Heat Removal Inlet Isolation Valve could be manually opened (valve is scheduled to be repaired during 1R15). Upon opening of the valve, the Unit entered Mode 5 at 1125 hours on 11/12/02. After completion of the maintenance activities planned for during the scheduled maintenance outage, the Unit began to heat up, entering Mode 4 at 1108 hours on 11/19/02. Entry into Mode 3 was delayed until the "B" Motor-Driven Auxiliary Feedwater Pump could be successfully repacked. Following repack of the "B" Motor-Driven Auxiliary Feedwater Pump, Mode 3 was entered at 0954 hours on 11/20/02. Entry into Mode 2 was delayed in order to repair a packing leak on an RCS Wide Range Pressure Transmitter Isolation Valve in Containment. Upon completion of repairs, Mode 2 was entered at 0559 hours on 11/22/02. The Reactor was taken critical at 0638 hours and Mode 1 was entered at 0801 hours on 11/22/02. Synchronization was delayed due to problems with the Main Unit Generator voltage regulator. After completing an adjustment, the Unit was synchronized to the electrical grid at 0141 hours on 11/23/02, and escalation to full power began. With the Unit operating at approximately 98% output, a load rejection of approximately 200 MWe occurred at 1022 hours on 11/24/02. This was caused by failure of the #1 Governor Valve to stay open due to failure of its LVDT. Reactor power also reduced and was stabilized at approximately 87% output before being returned to approximately 92% output following the transient. The Unit remained operating at approximately 92% output while troubleshooting of the #1 Governor valve continued. Upon restoration of the #1 Governor Valve to service, escalation to full power resumed at 1803 hours on 11/26/02. A nominal value of 100% output was achieved at 2130 hours on 11/26/02. 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: 12/02/02
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: NOVEMBER 2002
 1. DESIGN ELECTRICAL RATING (Net MWe): 835
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 821

 * Notes: Rated thermal power at *
 * BVPS-1 was updated from 2652 MWt*
 * to 2689 MWt on 10/20/01. Net *
 * MDC was also updated from *
 * 810 MWe to 821 MWe. *

	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	8016.0	233040.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	469.1	7765.1	159847.5
4. SERVICE HOURS GENERATOR ON LINE:	450.1	7746.1	157368.0
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	354854.0	6364574.0	118030717.0
7. GROSS ELECT. ENERGY GEN. (MWH):	381024.0	6741564.0	126008350.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1157615.0	20638578.0	388273383.5
9. UNIT AVAILABILITY FACTOR (%):	62.5	96.6	69.0
10. UNIT CAPACITY FACTOR (MDC) (%):	60.0	96.7	64.3
11. UNIT FORCED OUTAGE RATE (%):	10.7	0.7	15.7

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE December 3, 2002
 COMPLETED BY David T. Jones
 TELEPHONE (724) 682-4962

REPORTING PERIOD: November 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 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: 12/02/02
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (724) 682-4962

1a. REPORTING PERIOD: NOVEMBER 2002

1. DESIGN ELECTRICAL RATING (Net-MWe): 836
 2. MAX. DEPENDABLE CAPACITY (Net MWe): 831

 * Notes: 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	131823.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	7456.6	108811.1
4. SERVICE HOURS GENERATOR ON LINE:	720.0	7389.9	108082.5
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	610818.0	5986913.0	84565005.0
7. GROSS ELECT. ENERGY GEN. (MWH):	640715.0	6309144.0	89383887.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1933715.0	19229494.0	272637075.0
9. UNIT AVAILABILITY FACTOR (%):	100.0	92.2	82.0
10. UNIT CAPACITY FACTOR (MDC) (%):	102.1	89.9	77.4
11. UNIT FORCED OUTAGE RATE (%):	0.0	0.2	9.8