



Duquesne Light

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L-99-184

December 3, 1999

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 6.9.1.6, the "Monthly Operating Report" is submitted for Unit 1 and Unit 2 for the month of November, 1999.

Respectfully,

K. L. Ostrowski
Division Vice President,
Nuclear Operations Group
and Plant Manager

DTJ/mrd

Enclosures

cc: **NRC Regional Office**
King of Prussia, PA



The Nuclear Professionals

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UNIT SHUTDOWNS

DOCKET NO. 50-334
UNIT NAME BVPS Unit #1
DATE December 3, 1999
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

REPORTING PERIOD: November 1999

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				Comments
11	991113	S	7.6	B	5	The Unit was shutdown to replace the Electrohydraulic (EHC) power supply in the Main Unit Turbine Control System. Although the Unit was removed from the electrical grid, the Reactor was maintained critical.

(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 2100 hours on 11/12/99, a planned shutdown was commenced to replace the Electrohydraulic (EHC) power supply in the Main Unit Turbine Control System. The Main Unit Generator was removed from the electrical grid at 0631 hours on 11/13/99, however, the Reactor was maintained critical at an output of approximately 15%. Following replacement of the EHC power supply, the Unit was synchronized to the electrical grid at 1409 hours on 11/13/99, and power was escalated towards approximately 50% output. The Unit achieved approximately 46% output at 2300 hours on 11/13/99, and remained at this output due to accumulated penalty minutes as a result of the delta flux being outside of the target band during the shutdown. At 2051 hours on 11/14/99, the Unit commenced to increase power towards 100% output. The Unit achieved a nominal value of 100% output at 0700 hours on 11/15/99, and continued to operate at a nominal value of 100% output for the remainder of the report period.

In addition to the above, the following events which also occurred during the report period are being reported as required by Technical Specification 3.1.3.2 Note (3). While shutting down on 11/12/99, the Analog Rod Position Indicator (ARPI) for Control Rod H-2 was reading greater than the Technical Specification limit of 12 steps and was declared inoperable at 2225 hours on 11/12/99. The cause for the rod indication deviation was due to the initial large rod movement over a short period of time, which exceeded the temperature compensation causing a false high reading. With Control Rod H-2 ARPI subsequently tracking correctly, it was declared operable again at 0115 hours on 11/13/99. On 11/22/99 at 1245 hours, the ARPI for Control Rods G-3 and J-3 were reading greater than the Technical Specification limit of 12 steps and were declared inoperable. Upon satisfactory calibration of the ARPI's for Control Rods G-3 and J-3, the rods were declared operable again at 1439 hours on 11/22/99.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 UNIT NAME: BVPS UNIT #1
 REPORT DATE: 12/03/99
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD: NOVEMBER 1999
 1. DESIGN ELECTRICAL RATING (Net Mwe): 835
 2. MAX. DEPENDABLE CAPACITY (Net Mwe): 810

 Notes
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	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	8016.0	206736.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	7097.9	136377.9
4. SERVICE HOURS GENERATOR ON LINE:	712.4	7005.5	134037.2
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	567084.0	5488718.0	99174610.0
7. GROSS ELECT. ENERGY GEN. (MWH):	601634.0	5844088.0	106010863.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1823131.0	17898978.0	327368755.5
9. UNIT AVAILABILITY FACTOR (%):	98.9	87.4	66.3
10. UNIT CAPACITY FACTOR (MDC) (%):	97.2	84.5	61.2
11. UNIT FORCED OUTAGE RATE (%):	0.0	8.1	17.9

UNIT SHUTDOWNS

DOCKET NO. 50-412
 UNIT NAME BVPS Unit #2
 DATE December 3, 1999
 COMPLETED BY David T. Jones
 TELEPHONE (412) 393-4962

REPORTING PERIOD: November 1999

No.	Date	Type	Duration (Hours)	Reason (1)	Method of Shutting Down (2)	Cause / Corrective Actions
		F: Forced S: Scheduled				Comments
11	991101	F	64.9	B/A	4	The Unit remained shutdown in Mode 5 following completion of repairs to a leaking Pressurizer Code Safety Valve and two leaking Pressurizer Power Operated Relief Valves (PORV's). The shutdown was extended to also complete repairs to the "A" Main Feedwater Isolation Valve which had a degraded stroke time and nitrogen leak on its operator.

(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 shutdown in Mode 5 following completion of repairs to a leaking Pressurizer Code Safety Valve and two leaking Pressurizer Power Operated Relief Valves (PORV's). While preparations were still in progress for heating up and entering Mode 4, the "A" Main Feedwater Isolation Valve required repair due to a degraded stroke time. Following repair of the valve, Mode 4 was entered at 0109 hours on 11/02/99. Mode 3 was entered at 0835 hours on 11/02/99. Entry into Mode 2 was delayed due to additional repair of a subsequent nitrogen leak on the operator for the "A" Main Feedwater Isolation Valve. Following repair of the nitrogen leak on the valve operator, Mode 2 was entered at 1216 hours on 11/03/99. The Reactor was taken critical at 1305 hours, Mode 1 was entered at 1405 hours, and the Unit was synchronized to the electrical grid at 1652 hours on 11/03/99. Output was escalated to approximately 25% at 1930 hours on 11/03/99, and remained at this power level until chemistry conditions improved. At 0915 hours on 11/04/99, the Unit commenced to increase output to 100%. A nominal value of 100% output was achieved at 1955 hours on 11/04/99.

The Unit continued to operate at a nominal value of 100% output until 2100 hours on 11/19/99, when a reduction to approximately 50% output was commenced to load follow per Duquesne Light Company (DLCO) System Operations request and for fuel cycle extension. At 0007 hours on 11/20/99, the load reduction was halted at approximately 66% output per DLCO System Operations request when FirstEnergy's Bruce Mansfield Units 2 and 3 tripped off of the electrical grid. At 0041 hours on 11/20/99, BVPS Unit 2 commenced to return to full power. A nominal value of 100% output was achieved at 0505 hours on 11/20/99. 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: 12/03/99
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

1a. REPORTING PERIOD: NOVEMBER 1999
 1. DESIGN ELECTRICAL RATING (Net Mwe): 836
 2. MAX. DEPENDABLE CAPACITY (Net Mwe): 820

 Notes
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	THIS MONTH	YEAR TO DATE	CUMULATIVE
3a. HOURS IN REPORTING PERIOD:	720.0	8016.0	105519.0
3. NO. OF HRS. REACTOR WAS CRITICAL:	658.9	6463.6	84059.9
4. SERVICE HOURS GENERATOR ON LINE:	655.1	6412.0	83441.1
5. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
6. NET ELECTRICAL ENERGY GEN. (MWH):	534615.0	5193666.0	64594248.0
7. GROSS ELECT. ENERGY GEN. (MWH):	563534.0	5486231.0	68343183.0
8. GROSS THERMAL ENERGY GEN. (MWH):	1690157.0	16628215.0	209132970.0
9. UNIT AVAILABILITY FACTOR (%):	91.0	80.0	79.1
10. UNIT CAPACITY FACTOR (MDC) (%):	90.6	79.0	74.4
11. UNIT FORCED OUTAGE RATE (%):	9.0	9.1	12.1