



Duquesne Light

Nuclear Group
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February 8, 1991

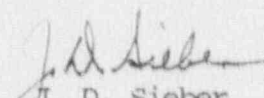
Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

In accordance with Appendix A, Technical Specifications, the Monthly Operating Report is submitted for Unit 1 and Unit 2 for the month of January, 1991.

Very truly yours,


J. D. Sieber
Vice President
Nuclear Group

MAW/mmg

Enclosures

cc: NRC Regional Office
King of Prussia, PA

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PDR ADOCK 05000334
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NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT I

JANUARY 1991

January 1 The Unit operated at 30% output to permit Boric Acid Treatment to the secondary side of the unit's steam generators.

January 2 At 0600 hours, the unit's output was escalated to a nominal value of 100%.

January 3
through
January 16 The unit operated at a nominal value of 100% output.

January 17 At 0400 hours a plant shutdown was initiated to repair a leaking valve on the Disk Pressurization System for the 'B' Loop Isolation Valve. At 0551 hours the unit was removed from service. At 0610 hours reactor was taken subcritical.

January 18 At 1131 hours the unit entered Mode 4.

January 19 At 0600 hours the unit entered Mode 5.

January 20
through
January 27 The unit remained shutdown to repair a leaking valve on the Disk Pressurization System for the 'B' Loop Isolation Valve.

January 28 At 0730 hours the unit entered Mode 4.

January 29 At 1630 hours the unit entered Mode 3.

January 30 The unit remained in Mode 3.

January 31 At 1041 hours the reactor was taken critical. The unit remained critical to permit repairs to the main turbine's D.C. Bearing oil pump.

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-334
 Unit Name BVPS Unit #1
 Date February 8, 1991
 Completed By M.A. Winger
 Telephone (412) 393-7621

REPORT MONTH JANUARY 1991

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 1 | 910101 | S | 0 | H | 4 | N/A | CC | HTEXCH | Unit operated at 30% output to permit boric acid treatment to secondary side of the unit's steam generators. |
| 2 | 901017 | F | 354.1 | A | 1 | 1-91-002 | CB | VALVEX | Unit Shutdown to repair a leak on the 'B' loop disk prussurization system of a loop isolation valve. |

¹
 F-Forced
 S-Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Exam
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Cont'd. from Previous Month
 5-Reduction
 9-Other

⁴
 Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

⁵
 Exhibit I-Same Source.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 02/07/91
 COMPLETED BY: M.A. WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: JANUARY 1991
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 835
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 860
7. MAX. DEPENDABLE CAPACITY (Net MWe): 810

| |
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| Notes |
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8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): None
 10. REASONS FOR RESTRICTIONS, IF ANY: N/A

| | THIS MONTH | YEAR TO DATE | CUMULATIVE |
|---|------------|--------------|-------------|
| 11. HOURS IN REPORTING PERIOD: | 744.0 | 744.0 | 129336.0 |
| 12. NO. OF HRS. REACTOR WAS CRITICAL: | 403.5 | 403.5 | 80697.9 |
| 13. REACTOR RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 4482.8 |
| 14. HOURS GENERATOR WAS ON LINE: | 389.9 | 389.9 | 78934.9 |
| 15. UNIT RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GEN. (MWH): | 962970.0 | 962970.0 | 187251417.5 |
| 17. GROSS ELECT. ENERGY GEN. (MWH): | 307970.0 | 307970.0 | 60140699.0 |
| 18. NET ELECTRICAL ENERGY GEN. (MWH): | 289760.0 | 289760.0 | 56153960.0 |
| 19. UNIT SERVICE FACTOR: (PERCENT) | 52.4 | 52.4 | 63.2 |
| 20. UNIT AVAILABILITY FACTOR: (PERCENT) | 52.4 | 52.4 | 63.2 |
| 21. UNIT CAPACITY FACTOR (MDC): PCT | 48.1 | 48.1 | 56.5 |
| 22. UNIT CAPACITY FACTOR (DER): PCT | 46.6 | 46.6 | 54.8 |
| 23. UNIT FORCED OUTAGE RATE: (PERCENT) | 47.6 | 47.6 | 16.6 |

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE AND DURATION OF EACH):
THE UNIT IS SCHEDULED TO SHUTDOWN FOR THE UNIT'S 8TH REFUELING OUTAGE ON
APRIL 12, 1991. THE UNIT IS SCHEDULED TO BE SHUTDOWN FOR 10 WEEKS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

| | FORECAST | ACHIEVED |
|----------------------|------------|------------|
| INITIAL CRITICALITY | <u>N/A</u> | <u>N/A</u> |
| INITIAL ELECTRICITY | <u>N/A</u> | <u>N/A</u> |
| COMMERCIAL OPERATION | <u>N/A</u> | <u>N/A</u> |

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-334
 Unit EVPS Unit 1
 Date February 7, 1991
 Completed by M. A. Winger
 Telephone (412) 393-7621

MONTH JANUARY 1991

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | <u>163</u> | 17 | <u>140</u> |
| 2 | <u>533</u> | 18 | <u>0</u> |
| 3 | <u>825</u> | 19 | <u>0</u> |
| 4 | <u>808</u> | 20 | <u>0</u> |
| 5 | <u>817</u> | 21 | <u>0</u> |
| 6 | <u>817</u> | 22 | <u>0</u> |
| 7 | <u>821</u> | 23 | <u>0</u> |
| 8 | <u>821</u> | 24 | <u>0</u> |
| 9 | <u>821</u> | 25 | <u>0</u> |
| 10 | <u>821</u> | 26 | <u>0</u> |
| 11 | <u>821</u> | 27 | <u>0</u> |
| 12 | <u>817</u> | 28 | <u>0</u> |
| 13 | <u>817</u> | 29 | <u>0</u> |
| 14 | <u>821</u> | 30 | <u>0</u> |
| 15 | <u>817</u> | 31 | <u>0</u> |
| 16 | <u>813</u> | | |

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT II

JANUARY 1991

January 1
through
January 31

The Unit operated at a nominal value of 100% output.

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date February 8, 1991
 Completed By M.A. Winger
 Telephone (412) 393-7621

REPORT MONTH JANUARY 1991

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|------|------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|---|
| NONE | | | | | | | | | |

¹
 F-Forced
 S-Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Exam
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Cont'd. from Previous Month
 5-Reduction
 9-Other

⁴
 Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG0161).

⁵
 Exhibit I-Same Source.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 REPORT DATE: 02/07/91
 COMPLETED BY: M.A.WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: JANUARY 1991
3. LICENSED THERMAL POWER (MWt): 2652
4. NAMEPLATE RATING (Gross MWe): 923
5. DESIGN ELECTRICAL RATING (Net MWe): 836
6. MAX. DEPENDABLE CAPACITY (Gross MWe): 870
7. MAX. DEPENDABLE CAPACITY (Net MWe): 820

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|-------|
| Notes |
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8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS:

9. POWER LEVEL TO WHICH RESTRICTED, IF ANY (Net MWe): None

10. REASONS FOR RESTRICTIONS, IF ANY: N/A

| | THIS MONTH | YEAR TO DATE | CUMULATIVE |
|---|------------|--------------|------------|
| 11. HOURS IN REPORTING PERIOD: | 744.0 | 744.0 | 28119.0 |
| 12. NO. OF HRS. REACTOR WAS CRITICAL: | 744.0 | 744.0 | 23091.3 |
| 13. REACTOR RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 14. HOURS GENERATOR WAS ON LINE: | 744.0 | 744.0 | 22905.8 |
| 15. UNIT RESERVE SHUTDOWN HOURS: | 0.0 | 0.0 | 0.0 |
| 16. GROSS THERMAL ENERGY GEN. (MWH): | 1966105.0 | 1966105.0 | 55093721.4 |
| 17. GROSS ELECT. ENERGY GEN. (MWH): | 635300.0 | 635300.0 | 17672100.0 |
| 18. NET ELECTRICAL ENERGY GEN. (MWH): | 603751.0 | 603751.0 | 16647075.0 |
| 19. UNIT SERVICE FACTOR: (PERCENT) | 100.0 | 100.0 | 81.5 |
| 20. UNIT AVAILABILITY FACTOR: (PERCENT) | 100.0 | 100.0 | 81.5 |
| 21. UNIT CAPACITY FACTOR (MDC): PCT | 99.0 | 99.0 | 71.2 |
| 22. UNIT CAPACITY FACTOR (DER): PCT | 97.1 | 97.1 | 70.8 |
| 23. UNIT FORCED OUTAGE RATE: (PERCENT) | 0.0 | 0.0 | 5.1 |

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

26. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):

| | FORECAST | ACHIEVED |
|----------------------|------------|------------|
| INITIAL CRITICALITY | <u>N/A</u> | <u>N/A</u> |
| INITIAL ELECTRICITY | <u>N/A</u> | <u>N/A</u> |
| COMMERCIAL OPERATION | <u>N/A</u> | <u>N/A</u> |

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-412
 Unit EVPS Unit 2
 Date February 7, 1991
 Completed by M. A. Winger
 Telephone (412) 393-7621

MONTH JANUARY 1991

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | <u>811</u> | 17 | <u>811</u> |
| 2 | <u>811</u> | 18 | <u>807</u> |
| 3 | <u>815</u> | 19 | <u>807</u> |
| 4 | <u>815</u> | 20 | <u>807</u> |
| 5 | <u>811</u> | 21 | <u>815</u> |
| 6 | <u>811</u> | 22 | <u>807</u> |
| 7 | <u>815</u> | 23 | <u>811</u> |
| 8 | <u>815</u> | 24 | <u>807</u> |
| 9 | <u>807</u> | 25 | <u>815</u> |
| 10 | <u>815</u> | 26 | <u>811</u> |
| 11 | <u>811</u> | 27 | <u>807</u> |
| 12 | <u>811</u> | 28 | <u>807</u> |
| 13 | <u>815</u> | 29 | <u>807</u> |
| 14 | <u>807</u> | 30 | <u>811</u> |
| 15 | <u>806</u> | 31 | <u>811</u> |
| 16 | <u>815</u> | | |

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Compute to the nearest whole megawatt.