



Nuclear Group
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December 7, 1990

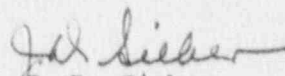
Beaver Valley Power Station
Unit 1 - Docket No. 50-334, License No. DPR-66
Unit 2 - Docket No. 50-412, License No. NPF-73
Monthly Operating Report

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 November, 1990.

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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UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-354
 Unit BVPS Unit #1
 Date December 7, 1990
 Completed By M.A. Winger
 Telephone (412) 393-7621

REPORT MONTH NOVEMBER 1990

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 6-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 51).

⁵
 Exhibit 1-Same Source.

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT I

NOVEMBER 1990

November 1
through
November 30

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

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-334
 Unit EVPS Unit 1
 Date December 7, 1990
 Completed by M. A. Winger
 Telephone (412)393-7621

MONTH NOVEMBER- 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>808</u>	17	<u>817</u>
2	<u>813</u>	18	<u>821</u>
3	<u>800</u>	19	<u>817</u>
4	<u>804</u>	20	<u>813</u>
5	<u>808</u>	21	<u>817</u>
6	<u>808</u>	22	<u>808</u>
7	<u>821</u>	23	<u>808</u>
8	<u>813</u>	24	<u>817</u>
9	<u>813</u>	25	<u>821</u>
10	<u>817</u>	26	<u>808</u>
11	<u>813</u>	27	<u>806</u>
12	<u>817</u>	28	<u>803</u>
13	<u>813</u>	29	<u>827</u>
14	<u>821</u>	30	<u>825</u>
15	<u>808</u>		
16	<u>804</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.

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 11/07/90
 COMPLETED BY: M.A. WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: NOVEMBER 1990
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

Notes

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:	720.0	8016.0	127848.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	7466.1	79604.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	720.0	7406.5	77874.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1899189.0	18771190.0	184851245.5
17. GROSS ELECT. ENERGY GEN. (MWH):	618400.0	6100810.0	59370499.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	585230.0	5736600.0	55433750.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	92.4	63.1
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	92.4	63.1
21. UNIT CAPACITY FACTOR (MDC): PCT	100.3	88.4	56.5
22. UNIT CAPACITY FACTOR (DER): PCT	97.3	85.7	54.8
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	3.6	16.4

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, 1990. 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>

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT II

NOVEMBER 1990

November 1 through November 11 The Unit remained in Mode 5

November 12 At 1102 hours the Unit entered Mode 4.

November 13 The Unit remained in Mode 4.

November 14 At 0112 hours the unit entered Mode 3.

November 15 through November 17 The Unit remained in Mode 3

November 18 At 1130 hours the Unit returned to Mode 4 to repair the Steam Driven Auxiliary Feedwater Pump. At 2000 hours the unit entered Mode 3.

November 19 The unit remained in Mode 3.

November 20 At 0440 hours the unit entered Mode 2 at 1125 hours the Reactor was taken critical.

November 21 The unit remained in Mode 2.

November 22 At 0146 hours the unit was synchronized. At 1200 hours the unit was removed from service to permit Turbine Overspeed Trip Testing. At 2121 hours the unit was synchronized and output was escalated at 3% per hour.

November 23 At 0300 hours the power escalation was halted at approximately 30% output to permit core flux mapping.

November 24 At 1355 hours the power escalation was resumed.

November 25 At 1700 hours the power escalation was halted at approximately 75% output to permit core flux mapping.

November 26 The unit operated at 75% output to permit core flux mapping.

November 27 At 0700 hours the power escalation was resumed. At 1340 hours the power escalation was halted at 90% output to permit core flux mapping. At 2010 hours the unit's output was escalated to 100%.

November 28 through November 30 The unit operated at 100% output.

AVERAGE DAILY UNIT POWER LEVEL

Docket No. 50-412
 Unit EVPS Unit 2
 Date December 7, 1990
 Completed by M.A. Winger
 Telephone (412) 393-7621

MONTH NOVEMBER 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	34
7	0	23	151
8	0	24	212
9	0	25	484
10	0	26	607
11	0	27	671
12	0	28	729
13	0	29	817
14	0	30	809
15	0		
16	0		

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.

OPERATING DATA REPORT

DOCKET NO.: 50-412
 REPORT DATE: 12/07/90
 COMPLETED BY: M. A. WINGER
 TELEPHONE: (412) 393-7621

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: NOVEMBER 1990
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

Notes

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:	720.0	8016.0	26631.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	252.6	6046.5	21603.0
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	204.9	5990.9	21417.8
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	375293.0	12351873.0	51164617.4
17. GROSS ELECT. ENERGY GEN. (MWH):	116500.0	3933900.0	16400000.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	98697.0	3681435.0	15437910.0
19. UNIT SERVICE FACTOR: (PERCENT)	28.5	74.7	80.4
20. UNIT AVAILABILITY FACTOR: (PERCENT)	28.5	74.7	80.4
21. UNIT CAPACITY FACTOR (MDC): PCT	16.7	55.3	69.6
22. UNIT CAPACITY FACTOR (DER): PCT	16.4	54.9	69.3
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	1.9	5.4

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>

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No. 50-412
 Unit Name BVPS Unit #2
 Date December 7, 1990
 Completed By M.A. Winger
 Telephone (412) 393-7621

REPORT MONTH NOVEMBER 1990

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
28	901101	S	505.8	C	4	N/A	RC	FUELXX	Shutdown for second Refueling Outage.
29	901122	S	0	H	5	N/A	RC	FUELXX	Unit operated at Reduced Output for Fuel Preconditioning.
30	901122	S	9.4	B	1	N/A	ZZ	ZZZZZZ	Unit removed from service for Turbine overspeed trip testing.
31	901122	S	0	H	5	N/A	RC	FUELXX	Unit operated at Reduced Output for Fuel preconditioning.

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.