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May 8, 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. Muclear 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 April, 1990.

Very truly yours,

J. D. Sieber Vice President

Nuclear Group

MAW/1mg

Enclosures

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oc: NRC Regional Office King of Prussia, PA

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OPERATING DATA REPORT

DOCKET NO.: 50-334 REPORT DATE: 05/07/90 COMPLETED BY: M.A.WINGER TELEPHONE: (412) 393-7621

OPERATING STATUS

1.	UNIT NAME: BEAVER VALLEY POWER STATION, REPORTING PERIOD: APRIL 1990	UNIT 1	Notes
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	
8.	IF CHANGES OCCUR IN CAPACITY RATINGS SIN Licensed thermal power is 2652 MW r	NCE LAST	REPORT, GIVE REASONS: MW

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

		THIS MONTH	YEAR TO DATE	CUMULATIVE
11.	HOURS IN REPORTING PERIOD:	719.0	2879.0	122711.0
12.	NO. OF HRS. REACTOR WAS CRITICAL:	630.8	2716.3	74854.8
13.	REACTOR RESERVE SHUTDOWN HOURS :	0 0	0.0	4482.8
14.	HOURS GENERATOR WAS ON LINE:	611.8	2691.9	73159.4
15.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GEN. (MWH):	1546013.0	6891907.0	172971962.5
17.	GROSS ELECT. ENERGY GEN. (MWH):	501240.0	2265970.0	55535659.0
18.	NET ELECTRICAL ENERGY GEN. (MWH):	467970.0	2134810.0	51831960.0
19.	UNIT SERVICE FACTOR: (PERCENT)	85.1	93.5	61.8
20.	UNIT AVAILABILITY FACTOR: (PERCENT)	85.1	93.5	61.8
21.	UNIT CAPACITY FACTOR (MOC) : PCT	80.4	91.5	55.1
22.	UNIT CAPACITY FACTOR (DER) : PCT	77.9	88.8	53.5
23.	UNIT FORCED OUTAGE RATE: (PERCENT)	14.9	5.0	17.1

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	<u>N/A</u>	<u>N/A</u>

NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT I

AFRIL 1990

- April 1 The Unit remained shutdown to repair the 'C' Main Feedwater Flow Control Valve. At 2323 hours the Reactor was taken critical.
- April 2 At 0035 hours the Reactor was shutdown to repair the Feedwater Flow Control Valves.
- April 3 The Unit remained shutdown to repair the Feedwater Flow Control Valves.
- April 4 At 1822 hours the Reactor was taken critical.
- April 5 At 1210 hours the Unit was synchronized at the Unit's output was escalated to a nominal value of 100% output.

April 6 The Unit operated at a nominal value of 100% output.

through April 24

- April 25 At 1228 hours the Unit's output was reduced to approximately 94% to improve condition in the Main Condenser's Hotwell.
- April 26 The Unit operated at approximately 94% output to improve condition in the Main Condensor's Hotwell.
- April 27 At 1440 hours the Unit's output was decreased to 91% to improve conditions in the Main condenser's Hotwell.
- April 28 At 1230 hours the Unit's output was decreased to 87% to improve conditions in the Main Condenser's Hotwell.
- April 29 At 0245 hours the Unit's output was reduced to 70% to permit cleaning the 'D' and 'C' water boxes of the Unit's main condenser.
- April 30 At 0410 hours, the Unit's output was increased to a nominal value of 100% output.

UNIT SHUTDOWNS AND POWER REDUCTIONS

Docket No.	50-334
Unit Name	SVPS Unit #1 *
Date	May 8, 1990
ompleted By	M.A. Winger
Telephone	(412) 393-7621

REPORT MONTH APRIL 1990

No.	Date	Type1	Duration (Hours)	ReasonZ	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
7	900301	'	107.2	•	•	1-90-007	CM	INSTRU	Unit remained shutdown to repair the 'C' Main Feedwater Flow Control Valve.
8	900329	5	0		5	•//A	**	NTEXCH	Unit's output reduced from 87% to 70% to permit cleaning the 'D' and 'C' water boxes of the Main Condenser.

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-Menuel Scram 3-Automatic Scram 4-Cont'd. from Previous Month 5-Reduction 9-Other

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Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREGO161).

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Exhibit I-Same Source.

AVERAGE DAILY UNIT POWER LEVEL

Docket No.	50-334
Unit	BVPS Unit 1
Date	May 8, 1990
Completed by	M.A. Winger
Telephone	(412) 393-7621

MONTH April 1990

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u> </u>	17	817
2	Q	18	813
3	0	19	808
4	<u> </u>	20	808
5	138	21	804
6	778	22	813
7		23	800
8	821	24	800
9		25	750
10	808	26	721
11	821	27	704
12		28	663
13	808	29	
14	833	30	725
15	792	31	N/A
16	808		

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: 05/07/90 COMPLETED BY: M.A.WINGER TELEPHONE: (412) 393-7621

OPERATING STATUS

1.	UNIT NAME: BEAVER VALLEY POWER STATION,	UNIT 2	Notes
2.	REPORTING PERIOD: APRIL 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):	885	
7.	MAX. DEPENDABLE CAPACITY (Net MWe):	833	

8. IF CHANGES OCCUR IN CAPACITY RATINGS SINCE LAST REPORT, GIVE REASONS: Licensed thermal power is 2652 MW not 2660 MW

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:	719.0	2879.0	21494.0
12.	NO. OF HRS. REACTOR WAS CRITICAL:	719.0	2879.0	18435.8
13.	REACTOR RESERVE SHUTDOWN HOURS :	0.0	0.0	0.0
14.	HOURS GENERATOR WAS ON LINE:	719.0	2879.0	18305.9
15.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GEN. (MWH):	1380856.0	5739169.0	44551913.4
17.	GROSS ELECT. ENERGY GEN. (MWH):	440800.0	1853700.0	14319800.0
18.	NET ELECTRICAL ENERGY GEN. (MWH):	412585.0	1748774.0	13505249.0
19.	UNIT SERVICE FACTOR: (PERCENT)	100.0	100.0	85.2
20.	UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	100.0	85.2
21.	UNIT CAPACITY FACTOR (MDC): PCT	68.9	72.9	75.4
22.	UNIT CAPACITY FACTOR (DER): PCT	68.6	72.7	75.2
23.	UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	5.7

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TIPE, DATE, AND DURATION OF EACH): THE UNITS SECOND REFUELING OUTAGE IS SCHEDULED TO START IN EARLY SEPTEMBER 1990 AND IS SCHEDULED TO BE COMPLETED IN NOVEMBER 1990.

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT II

AFRIL 1990

April 1 through April 6	The Unit operated at a nominal value of 100% output.
April 7	At 0001 hours the Unit's output was reduced to approximately 45% output to stretch the current fuel cycle.
April 8	The Unit operated at approximately 45% output to stretch the current fuel cycle.
April 9	At 0300 hours the Unit's output was escalated to approximately 85% to load follow.
April 10 through April 12	The Unit operated at approximately 85% output to load follow.
April 13	At 0001 hours the Unit's output was reduced to approximately 45% to out stretch the current fuel cycle.
April 14 through April 22	The Unit operated at approximately 45% output to stretch the current fuel cycle.
April 23	At 0210 hours the Unit's output was escalated to approximately 85% to stretch the current fuel cycle.
April 24	The Unit operated at approximately 85% output to stretch the current fuel cycle.
April 25	At 1330 hours the Unit's output was escalated to 95% to load follow.
April 26 through April 28	The Unit operated at 95% output to load follow.
April 29	At 0300 hours the unit's output was reduced to approximately 45% to stretch the current fuel cycle.
April 30	At 0320 hours the Unit's output was escalated to 85% to stretch the current fuel cycle.

UNIT SHUTPOWNS AND POWER REDUCTIONS

Docket No.	ł.
Unit Name	ł.
Date	e.
Completed By	•
Telephone	

50-412 BVPS Unit #2 May 8, 1990 M.A. Winger (412) 393-7621

REPORT MONTH APRIL 1990

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Corponent Code5	Cause & Corrective Action to Prevent Recurrence
9	900407	S	0		5	¥/A	22	222222	Reduced output from 45% to stretch the current fuel cycle.
10	900413	s	0		5	W/A	22	222222	Reduced output from 85% to 45% to stretch the current fuel cycle.
11	900429	5	0	•	3	₩/Α	22	mm	Reduced output from 95% to 45% to stretch the current fuel cycle.

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

Exhibit G-Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREGO161).

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Exhibit I-Same Source.

Docket No.	50-412
Unit	BVPS Unit 2
Date	May 8, 1990
Completed by	M. A. Winger
Telephone	(412) 393-7621

MONTH April 1990

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DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	801	17	344
2	795	18	352
3	794	19	344
4	802	20	344
5	794	21	340
6	795	22	353
7	385	23	652
8	348	24	712
9	647	25	729
10	704	26	770
11	716	27	770
12	712	28	
13	360	29	424
14	344	30	625
15	344	31	N/A
16	344		

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.