



Nuclear Group
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

October 7, 1996

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 September, 1996.

Respectfully,

T. P. Noonan
Division Vice President,
Nuclear Operations /
Plant Manager

DTJ/s:p

Enclosures

cc: NRC Regional Office
King of Prussia, PA

9610160320 960930
PDR ADOCK 05000334
R PDR



The Nuclear Professionals

160073

1/1
1224

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 1

SEPTEMBER 1996

September 1 The Unit operated at a nominal value of 100% output during the entire report period.
through
September 30

In addition to the above, the following Analog Rod Position Indication (ARPI) problems were encountered during the report period and are being reported as required by Technical Specifications.

September 21 The analog rod position indication (ARPI) for control rod H-2 was declared
through inoperable at 0000 hours due to reading greater than the technical specification limit
September 30 of 12 steps. Actual rod position was verified to be within the 12 step limit by
 obtaining primary detector voltage readings. Troubleshooting activities continued
 throughout the remainder of the report period, however, a repair of the ARPI
 problem for control rod H-2 had not yet been completed by the end of the report
 period.

September 24 The analog rod position indication (ARPI) for control rod H-10 was declared
 inoperable at 2010 hours due to reading greater than the technical specification limit
 of 12 steps. Actual rod position was verified to be within the 12 step limit by
 obtaining primary detector voltage readings. The limiting condition for operation as
 specified in the technical specifications was met (a maximum of one ARPI per bank
 can be inoperable at any one time) because control rod H-2 is located in control bank
 D and control rod H-10 is located in control bank C.

September 25 After returning to within 12 steps following a recalibration of its ARPI, control rod
 H-10 was returned to service at 0925 hours.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit 1
DATE October 1, 1996
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

MONTH September 1996

DAY	AVERAGE DAILY POWER (MWe-Net)	EL	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>816</u>		17	<u>825</u>
2	<u>818</u>		18	<u>823</u>
3	<u>816</u>		19	<u>824</u>
4	<u>816</u>		20	<u>824</u>
5	<u>815</u>		21	<u>824</u>
6	<u>815</u>		22	<u>825</u>
7	<u>815</u>		23	<u>825</u>
8	<u>811</u>		24	<u>826</u>
9	<u>812</u>		25	<u>828</u>
10	<u>813</u>		26	<u>825</u>
11	<u>817</u>		27	<u>818</u>
12	<u>817</u>		28	<u>823</u>
13	<u>823</u>		29	<u>827</u>
14	<u>826</u>		30	<u>827</u>
15	<u>824</u>		31	<u>---</u>
16	<u>823</u>			

INSTRUCTIONS

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

OPERATING DATA REPORT

DOCKET NO.: 50-334
 REPORT DATE: 10/01/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1	*Notes	*
2. REPORTING PERIOD: SEPTEMBER 1996	*	*
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 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	6575.0	178991.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	720.0	4987.1	118438.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	720.0	4925.5	116277.6
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1901486.0	12527344.0	281449406.5
17. GROSS ELECT. ENERGY GEN. (MWH):	624790.0	4124225.0	90938242.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	589980.0	3870115.0	85036939.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	74.9	66.7
20. UNIT AVAILABILITY FACTOR: (PERCENT)	100.0	74.9	66.7
21. UNIT CAPACITY FACTOR (MDC): PCT	101.2	72.7	61.0
22. UNIT CAPACITY FACTOR (DER): PCT	98.1	70.5	59.1
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	8.4	15.2

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 ($\geq 20\%$)

Docket No. 50-334

Unit Name BVPS Unit #1

Date October 1, 1996

Completed By David T. Jones

Telephone (412) 393-4962

REPORT MONTH September 1996

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 F-Instructions for Preparation of
Data Entry Sheets for Licensee Event
Report (LER) File (NUREG0161)

⁵
Exhibit H-Same Source

NARRATIVE SUMMARY OF
MONTHLY OPERATING EXPERIENCE

UNIT 2

SEPTEMBER 1996

September 1	The Unit began the report period in Mode 4 as cooldown for the sixth refueling outage continued. Mode 5 was entered at 0305 hours.
September 2 through September 4	The Unit remained in Mode 5 as the sixth refueling outage continued.
September 5	The Unit entered Mode 6 at 2300 hours.
September 6 through September 27	The Unit remained in Mode 6 as the sixth refueling outage continued.
September 28	The Unit entered Mode 5 at 2125 hours.
September 29 through September 30	The Unit remained in Mode 5 for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
UNIT BVPS Unit 2
DATE October 1, 1996
COMPLETED BY David T. Jones
TELEPHONE (412) 393-4962

MONTH September 1996

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

INSTRUCTIONS

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

OPERATING DATA REPORT

DOCKET NO.: 50-412
 REPORT DATE: 10/02/96
 COMPLETED BY: DAVID T. JONES
 TELEPHONE: (412) 393-4962

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2		* * * * *
2. REPORTING PERIOD: SEPTEMBER 1996		*Nctes
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	* * * * *

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	6575.0	77774.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	0.0	5827.8	67309.6
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	0.0	5804.9	66899.5
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	0.0	14669115.0	166493118.0
17. GROSS ELECT. ENERGY GEN. (MWH):	0.0	4830599.0	54263924.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	-3100.0	4576531.0	51296064.0
19. UNIT SERVICE FACTOR: (PERCENT)	0.0	88.3	86.0
20. UNIT AVAILABILITY FACTOR: (PERCENT)	0.0	88.3	86.0
21. UNIT CAPACITY FACTOR (MDC):PCT	0.0	84.9	80.1
22. UNIT CAPACITY FACTOR (DER):PCT	0.0	83.3	78.9
23. UNIT FORCED OUTAGE RATE. (PERCENT)	0.0	0.4	2.5

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH):
THE UNIT WAS SHUTDOWN FOR ITS SIXTH REFUELING OUTAGE ON 08/30/96. THE
REFUELING OUTAGE IS SCHEDULED TO LAST FOR 45 DAYS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 10/14/96

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 ($\geq 20\%$)

Docket No. 50-412

Unit Name BVPS Unit #2

Date October 1, 1996

Completed By David T. Jones

Telephone (412) 393-4962

REPORT MONTH September 1996

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
8	960901	S	720.0	C	4	N/A	RC	FUELXX	The Unit remained shutdown for its sixth refueling outage.

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

⁵
Exhibit H-Same Source