#### NARRATIVE SUMMARY OF

#### MONTHLY OPERATING EXPERIENCE

September 1985

September 1 The Unit entered the month in Mode 5 as a result of a reactor trip/safety injection due to a loss of instrument air which occurred on August 29, 1985. Plant heat up began on the 1st with the Unit entering Mode 4 at 1730 hours. September 2 Plant heat-up continued with the Unit entering Mode 3 at 0108 hours. September 3 Plant heat-up continued with reactor criticality achieved at 1247 hours and the Unit being synched to the grid at 1411 hours. September 4 The Station operated at a reduced power level of approximately 57 percent as a result of maintenance being performed on feedwater pump [FW-P-1A]. September 5 Repairs to feedwater pump [FW-P-1A] were completed at 1153 hours and power level was subsequently increased to a nominal 100 percent. September 6 The Station was in Operational Mode 1 with reactor power through at a nominal 100 percent, Reactor Coolant System was September 15 at a normal operating pressure and temperature. September 16 Inadvertant grounding of Vital Bus #2 caused the Loop B OTAT and OPAT bistables to trip producing a reactor trip at 1026 hours. The reactor achieved criticality at 2203 hours and the Unit was synched to the grid at 2328 hours. September 17 The Station was in Operational Mode 1 with reactor through power at a nominal 100 percent. Reactor Coolant September 25 System was at normal operating pressure and temperature.

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September 1985 Summary of Monthly Operating Experience

September 26 At 1023 hours the plant P250 computer began reading N42 and N43 approximately 20 percent low. This resulted in two channels calculating an erroneous target  $\Delta \phi$ . At 1120 hours operators noticed the rod position indicators (RPI's) for control banks C and D reading 200 steps with the rods actually at 228 and 225 steps. At 1125 hours, the interaction between the plant variable computer and the plant P250 computer was deenergized and both the RPIs and the  $\Delta \phi$  monitor returned to normal. Plant operations were not affected by this event.

September	27	The Station was in Operational Mode 1 with reactor
through	20	power at a nominal 100 percent. Reactor Coolant System
September	30	was at normal operating pressure and temperature.

### OPERATING DATA REPORT

DOCKET NO.	50-334			
DATE	10/3/85			
COMPLETED BY	P.A. Smith			
TELEPHONE.	412-643-182			

### OPERATING STATUS

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1. Unit Name: Beaver Valley Power St 2. Reporting Period: September 1985	tation, Unit #1	Notes
3. Licensed Thermal Power (MWt):	2660	
4. Nameplate Rating (Gross MWe):	923	
5. Design Electrical Rating (Net MWe):	835	
6. Maximum Dependable Capacity (Gross MWe):	860	
7. Maximum Dependable Capacity (Net MWe):	810	

None N/A

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

9. Power Level To Which Restricted, If Any (Net MWe): \_\_\_\_

10. Reasons For Restrictions, If Any: \_

This Month Yr.-to-Date Cumulative 720.0 82,559.0 11. Hours In Reporting Period 6,551.0 647.6 12. Number Of Hours Reactor Was Critical 6,062.2 43,417.9 13. Reactor Reserve Shutdown Hours 0.0 0.0 4,482.8 14. Hours Generator On-Line 644.8 5,915.0 41,997.9 15. Unit Reserve Shutdown Hours 0.0 0.0 0.0 16. Gross Thermal Energy Generated (MWH) 1,627,823.0 14,513,009.9 97,911,523.9 517,000.0 17. Gross Electrical Energy Generated (MWH) 31,151,400.0 4,657,000.0 18. Net Electrical Energy Generated (MWH) 485,300.0 4,366,550.0 28,991,393.0 90.3 19. Unit Service Factor 89.6 53.3 89.6 90.3 20. Unit Availability Factor 53.3 21. Unit Capacity Factor (Using MDC Net) 83.2 82.3 46.9 22. Unit Capacity Factor (Using DER Net) 80.7 79.8 45.5 23. Unit Forced Outage Rate 10.4 24.8 8.5

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

### MAJOR MAINTENANCE

- 1. Maintenance of Feedwater Pump [FW-P-1A].
- 2. Repaired Main Steam Trip Valves [TV-MS-101B] and [TV-MS-101C].
- 3. Maintenance of Station Air Compressor [SA-C-1A] and [SA-C-1B].
- 4. Inspected and repaired Steam Driven Auxiliary Feedwater Pump [FW-P-2].

## AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-334			
UNIT	BVPS Unit #1			
DATE	10/3/85			
COMPLETED BY	P.A. Smith			
TELEPHONE	(412) 643-182			

AY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL
1	0	17	667
2	0	18	788
	135	19	827
	421	20	784
	582	21	784
	783		785
	785		784
	783	24	786
	785	25	789
	742	26	788
	827	27	829
	747	78	787
	789	29	788
	790	10	787
	789	11	
	339	51	

# 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.

### UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO	50-334				
UNITNAME	BVPS Unit /1				
DATE	10/3/85				
COMPLETED BY	P. A. Smith				
TELEPHONE	(412) 643-1825				

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# REPORT MONTH SEPTEMBER

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
30	850901	F	62.2	A	4	85-015	PA	AIRDRY	The Station remained off line follow- ing a reactor trip/safety injection due to a loss of instrument air caused by a broken line on the instrument air dryer. Repairs were made and the Station returned to service at 1411 hours on the 3rd.
31	850903	F	0	В	5	N/A	СН	PUMPXX	The Station was operating at a reduced power level as a result of maintenance being performed on feedwater pump [FW-P-1A]. (CONTINUED)
1 F: F. S: Sci (9/77)	rced heduled	Reaso A-Eq B-Mai C-Ref D-Ref I Op F-Adi G-Op H-Ot	m: uipment Fa intenance of fueling gulatory Re erator Train ministrative erational fa her (Explain	ilure (Ex r Test striction ing & Li tor (Exp	oplain) icense Exa plain)	3 Netl 1-Ma 2-Ma 3-Aa 4-Ca 5-Ra 9-0	hod: anual anual Scr utomatic ontinued eduction ther	ram Scram From Previo	4 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) I de (NUREG 0161) 5 Exhibit 1 - Same Source

## UNIT SHUTDOWNS AND POWER REDUCTIONS

### REPORT MONTH SEPTEMBER

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DOCKET NO	50-334				
UNIT NAME	BVPS Unit 1				
DATE	10/3/85				
COMPLETED BY	P. A. Smith				
TELEPHONE	(412) 643-1825				

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No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor3	Licensee Event Report #	System Code 4	Component Code 5	Cause & Corrective Action to Prevent Recurrence
31 32	(CONTINUED) 850916	F	13.0	A	3	85-016	EG	222222	Repairs to feedwater pump [FW-P-1A] completed at 1153 hours on the 5th and power level was subsequently increased. Inadvertant grounding of Vital Bus 2 caused a reactor trip at 1026 hours. The Station returned to service at 2328 hours on the 16th.
1 F F.J S Sch	rced neduled	Reaso A-Equ B-Mai C-Ref D-Reg E-Ope F-Adr G-Ope H-Oth	n: uipment Fai ntenance of ueling ulatory Re- rator Train ninistrative rational Fri er (Explain	iture (Ex i Test striction ing & Lis ion (1 xp )	plain) cense Exan lain)	3 Ne 2- 3- 3- 5- 9-	Automatic Continued Reduction Other	am Scram From Previ	4 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (EER) Ede (NUREC Ous Month 0161) 5 Exhibit 1 - Same Source