OPERATING DATA REPORT

DOCKET NO.: 50-334
REPORT DATE: 10/12/87
COMPLETED BY: P.A. SMITH
TELEPHONE: (412) 643-1825

OPERATING STATUS

			BIRCH CONTRACTOR OF THE PARTY O
	UNIT NAME: BEAVER VALLEY POWER STATION,	UNIT 1	Notes
	REPORTING PERIOD: SEPTEMBER 1987		
3.	LICENSED THERMAL POWER (MWt):	2660	
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 M.Je):	810	Annual annual of the contract

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

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

	THIS MONTH	YEAR TO DATE	CUMULATIVE
11. HOURS IN REPORTING PERIOD: 12. NO. OF HRS. REACTOR WAS CRITICAL: 13. REACTOR RESERVE SHUTDOWN HOURS: 14. HOURS GENERATOR WAS ON LINE: 15. UNIT RESERVE SHUTDOWN HOURS: 16. GROSS THERMAL ENERGY GEN. (MWH): 17. GROSS ELECT. ENERGY GEN. (MWH): 18. NET ELECTRICAL ENERGY GEN. (MWH): 19. UNIT SERVICE FACTOR: (PERCENT) 20. UNIT AVAILABILITY FACTOR: (PERCENT) 21. UNIT CAPACITY FACTOR (MDC): PCT 22. UNIT CAPACITY FACTOR (DER): PCT 23. UNIT FORCED OUTAGE RATE: (PERCENT)	720.0 0.0 720.0 0.0 1752375.0 564890.0 529320.0 100.0 100.0 90.8 88.0	0.0	100079.0 57457.5 4482.8 55927.6 0.0 132740156.5 42498470.0 39645433.0 58.3 58.3 52.3 50.7 20.3

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE, DATE, AND DURATION OF EACH): SIXTH REFUELING, DECEMBER 11, 1987, 65 DAYS

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

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

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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334

UNIT 3V75 7821 12 V

DATE October 13, 1/2

COMPRETED BY P.A. SV.th

TELEVIONE (+12) (3-3-1825

AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
292	17	788
800	18	(00
1 804	19	796
791	20	804
383	21	804
376	200	804
371	23	804
650	24	80
797	25	788
799	26	800
802	27	804
791	28	508
796	29	792
804	30	800
803	31	
796		

INSTRUCTIONS

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

UNIT SHUTINOWNS AND POWER REDUCTIONS

REFORI A:DNIH September

UNITRAME NUES Unit #1

UNITRAME NUES Unit #1

DATE OCTEDER 13, 1987

COMPLETED BY P.A. SELLh

TELEFIONE (412) 643-1825

Cause & Corrective Action to Prevent Recurrence	The Unit entered the month at a reduced power level as repair work the heater drain tank land control valve (LCV-SD-106A) continued. Repair work was completed and power ascension was initiated at 1745 hours on the lst. At 2200 hours at the request of Company System Operations, began a 50% load reduction. began power ascension at 0310 hours on the 8th.	
Component (:ude	VALVEX 222222	and the second second
System Code 4	72 22	and the second sector of the second s
Licensee Event Report #	N/A N/A	
Method of Shutting J	4 0	4 0.5 mm (mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/mg/m
Znanak	< □	THE PERSON NAMED IN COLUMN
Duration (aluoh)	0 0	
Typel	EA. SO	COMMUNICATION OF STREET STREET, STREET ASSESSMENT ASSES
Date	870962	
No.		V 1 0.4 10.4 10.4 10.4 10.4 10.4 10.4 10.

-4-

Fried Scheduled A Fquipe B Mahn.

A Equipment Failure (Explain)

Refueling

Restriction

Repulatory Restriction

Operator Estiman & Leux Examination

Administrative

Coperatories of polant

8.1/173

1-Manual Seram
3-Automatic Scram
6-Continued From Previous Month
5-Reduction
9-Other

Hethod:

Fulbit G. Instructions for Preparation of Days Inter Sheets for Inconce I vent Report Of ROLDG (NUM) G.

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OPERATING DATA REPORT

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2 Notes

DOCKET NO.: 50-412 REPORT DATE: 10/12/87 COMPLETED BY: P.A. SMITH TELEPHONE: (412) 643-1825

OPERATING STATUS

3. 4. 5. 6. 7.	LICENSED THERMAL POWER (MWt): NAMEPLATE RATING (Gross MWe): DESIGN ELECTRICAL RATING (Net MWe): MAX. DEPENDABLE CAPACITY (Gross MWe MAX. DEPENDABLE CAPACITY (Net MWe): IF CHANGES OCCUR IN CAPACITY RATING	2660 923 836 885 883	REPORT, GIVE RE	ASONS:
10.	POWER LEVI WHICH RESTRICTED, IF REASONS FOR AESTRICTIONS, IF ANY:	PLANT IN S'	TARTUP AND POWER	ASCENSION
		THIS MONTH	YEAR TO DATE	CUMULATIVE
11.	HOURS IN REPORTING PERIOD: NO. OF HRS. REACTOR WAS CRITICAL: REACTOR RESERVE SHUTDOWN HOURS. HOURS GENERATOR WAS ON LINE: UNIT RESERVE SHUTDOWN HOURS: GROSS THERMAL ENERGY GEN. (MWH): GROSS ELECT. ENERGY GEN. (MWH): NET ELECTRICAL ENERGY GEN. (MWH): UNIT SERVICE FACTOR: (FERCENT) UNIT AVAILABILITY FACTOR: (PERCENT) UNIT CAPACITY FACTOR (MDC):PCT UNIT CAPACITY FACTOR (DER):PCT	720.0	1066.0	1066.0
12.	DEACTOR RESERVA CHITTONIA HOUSE	343.9	603.6	603.6
14	WOURS GENERATOR WAS ON LINE.	266.0	438 5	4.28 5
13.	UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16.	GROSS THERMAL ENERGY GEN. (MWH):	309627.0	498282.0	498282.0
17.	GROSS ELECT. ENERGY GEN. (MWH);	78800.0	107400.0	107400.0
18.	NET ELECTRICAL ENERGY GEN. (MUSS):	59737.0	76529.0	76529.0
20	UNIT AVAILABILITY FACTOR (PERCENT)	N/A N/A	N/A N/A	N/A N/A
21	UNIT CAPACITY FACTOR (MDC) PCT	N/A	N/A	N/A
22.	UNIT CAPACITY FACTOR (DER) : PCI	N/A	N/A	N/A

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

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

N/A

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

23. UNIT FORCED OUTAGE RATE: (PERCENT)

INITIAL CRITICALITY INITIAL ELECTRICITY COMMERCIAL OPERATION

FORECAST N/A

N/A

ACHIEVED 08/04/87

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.	50-412
UNIT	BVPS Unit 2
DATE	October 13, 198
COMPLETED BY	P.A. Smith
TELEPHONE	(412) 643-1825

	AVERAGE DAILY POWER LEVEL	DAY	AVERAGE DAILY POWER LEVEL
1,	30	17	0
2	142	18	
3	147	19	0
4	167	20	0
5	328	21	
6	340	22	
7	341	23	0
8	203	24	O CONTRACTOR CONTRACTO
9		25	35
10	0	26	178
11	176	27	482
12	O	28	18
13	O	29	0
14		30	149
15	0	31	-

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 RELAKTIONS

REPORT MONTH September

UNIT NAME BVPS Unit 2
UNIT NAME BVPS Unit 2
DATE OCCODER 13, 1987
COMPLETED BY P.A. Smith
TELEPHONE (412) 643-1825

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	Cause & Corrective Action to Prevent Recurrence	The Unit entered the month off-line	following a turbine trip on August 31, 1987. The Unit was synchronized to	the grid at 1343 hours on the 1st. At 1345 hours a turbine .: ip occurred.	caused by anti-motoring. The Unit was	synchronized to the grid at 1404 hours	At 0606 hours a planned power reduction	from 50 percent to 30 percent occurred	to support testing.	on low level in the "A" steam peneraro	The Unit was synchronized to the grid	at 1835 hours on the 9th.	occurred during the "Station Blackour"	test. The Unit was synchronized to the grid at 0428 hours on the 11th.
	S shoo	TURBIN		TURBIN			222222		HTEXCH			222222		
	System 6	НА		HA		immetera so	22	entrouse su	22	and the state of t	deriferator an	22	HE SHIRLING	***********
	Licensee Event Report *	N/A		N/A			N/A		87-020			N/A		
	Method of Shutting Down Reactor3	7		6		N. Oakerson	2		3			3		00 100 to to a section
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	Typel	££.		££.			S		Se.			S	**************	
	Date	870901		870901			870908		870909			870909		
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S Schedufed A Fquipmen

A Equipment Failure (Explain)

B Maintenance or Test
(Refueling
) Regulatory Restriction

E Operatory Restriction

Administrative

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Q3

1-Manual
2-Manual Scram
3-Automatic Scram
4-Continued Prom Previous Month
5-Reduction

Hethod:

Exhibit G. Instructions, for Preparation of Data Fints, Sheets for Langue Front Report 11 R11 de (NUR) G. Obel)

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UNIT SHUTTHOWNS AND POWER REDUCTIONS

REPORT MONIN September

UNIT NAME BYPS Unit 2
UNIT NAME BYPS Unit 2
DATE October 13, 1987
F.A. Smith
TELEPHONE (412) 643-1825

	paratitioners extraoritionistation access annual and	Кинтеривания	representational descriptions and the contraction of the contraction o	пинацій наменникорими	NAME OF STREET	CARLES CONTRACTOR DE LA
TELEPHONE (412) 643-1825	Cause & Corrective Action to Prevent Recurrence	The Unit was taken off-line at 2038 hours for a Pressurizer Safery Velue	mini-outage. The Unit returned to service at 1421 hours on the 25th. At 0319 hours a turbine trip occurred due to a faulty turbine overspeed sensing probe. The Unit was synchron-	to the grid 156 hours a to a low lev	"A" steam generator in conjunction with a high feed flow signal. After the reactor had been taken critical following the September 28th	injection occurred due to low steam pressure. The Unit was synchronized to the grid at 1005 hours on the 30th
	S shoo	VALVEX	TURBIN	нтехсн	222222	
	System Code	22	HA	22	HB	The second second second
	Licensee Event Report #	N/A	N/A	87-023	87-024	
	Method of Shutting Totals new Teactor	general second	5	m	~	CHANGE ST ST. S. CO. S. S. S. CO. CO. CO. CO. CO. CO. CO. CO. CO. CO
	CnossaM	80	<	<	<	
	Duration (aluoH)	329.7	9.9	24.4	31.8	
	Typel	S	£2.	S.E.	Çz.,	
	Date	870911	870926	870928	870929	
	No.	13	14	15	91	
		A STATE OF THE STA	Chief According to Alle Annual Consumptions of the	management of the State of the	resease philosophics	A CONTRACTOR CONTRACTOR STATE

F F. sied Ressins S Scheduled A Equipment F B Maintenance

A Equipment Failure (Explain)

B Maintenance or Test
(Refueling
1) Regulatory Restriction
1 (Speciatory Restriction)
1 (Speciatory Testing & Excuse Examination)
1 Administrative
(Operational Loos (Explain)
1 (Operational Loos (Explain)

8.1/173

Method: 1-Manual 2-Manual Scram 3-Automatic Scram 4-Continued From Pravious Month 5-Reduction

9-Other

Lymbit G. Instructions for Preparation of Data Little Sheets for Licensee Event Report of ERTER (NURL). Oto D.

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NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT 1

SEPTEMBER, 1987

September	1	The Unit entered the month at a reduced power level of approximately 30 percent as repair work to the heater drain tank level control valve (LCV-SD-106A) continued. Repair work was completed and power ascension toward 100 percent was initiated at 1745 hours.
September through September		The Unit was in Operational Mode 1 with reactor power at a nominal 100 percent and the Reactor Coolant System at a normal operating pressure and temperature.
September through September		At 2200 hours on the 4th, at the request of Company System Operations, a 50 percent load reduction was commenced to support load demand for the weekend. Began power ascension toward 100 percent at 0310 hours on the 8th.
September through September		The Unit was in Operational Mode 1 with reactor power at a nominal 100 percent and the Reactor Coolant System at a normal operating pressure and temperature.

NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT II

SEPTEMBER, 1987

September	1	The Unit was synchronized to the grid at 1343 hours. At 1345 hours a turbine trip occurred, caused by turbine anti-motoring. The Unit was resynchronized to the grid at 1404 hours.
September through September		The Unit was operating at approximately 30 percent power to support start-up testing.
September	4	At 1815 hours, following the completion of 30 percent testing, power level was increased to approximately, 40 percent.
September through September	1	At 0955 hours on the 5th, for the first time, power level reached 50 percent and was held constant for testing.
September	8	At 0606 hours on the 8th, a planned power reduction to 30 percent occurred to support testing.
September	9	At 0130 hours, a reactor trip occurred on low level in the "A" steam generator. At 0855 hours, the reactor was taken critical and the unit was synchronized to the grid at 1835 hours. At 2203 hours, a planned reactor trip occurred during the "Station Blackout" test.
September	10	The reactor was taken critical at 2249 hours.
September	11	The Unit was synchronized to the grid at 0428 hours and power level was increased to 50 percent. At 1926 hours, a load reduction was initiated to remove the unit from service for the Pressurizer Safety Valve mini-outage. The Unit was taken off-line at 2038 hours, and entered Mode 3 at 2130 hours.
September through September		The Unit entered Mode 4 at 1320 hours on the 12th, and Mode 5 at 0209 hours on the 13th.
September through September		The Unit was in cold shutdown for the Pressurizer Safety Valve mini-outage.
September	23	The Unit entered Mode 4 at 0220 hours and Mode 3 at 1140 hours.

September 24 through September 25	The reactor was taken critical at 2010 hours on the 24th and was synchronized to the grid at 1421 hours on the 25th.
September 26 through September 27	At 0319 hours on the 26th, a turbine trip occurred due to a faulty turbine overspeed sensing probe. The Unit was resynchronized to the grid at 0955 hours on the 26th followed by power ascension toward a 75 percent power level.
September 28	At 0156 hours, a reactor trip occurred due to a low level signal from the "A" steam generator in conjunction with a high feed flow signal. The reactor was taken critical at 1047 hours.
September 29	At 0219 hours, a reactor trip with safety injection occurred due to low steam pressure.
September 30	The reactor was taken critical at 0244 hours and the Unit was synchronized to the grid at 1005 hours.



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

October 13, 1987

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 Director, Office of Management Information & Program Control 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, 1987.

Very truly yours,

J. D. Sieber Vice President Nuclear Operations

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Enclosures

cc: NRC Regional Office King of Prussia, PA DESIGNATED ORIGINAL Certified By Cartified By A A

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