Duquesne Light
435 Sixth Avenue
Pittsburgh, Pennsylvania
15219

(412) 471-4300

November 11, 1978

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

United States 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 the month of October, 1978.

Very truly yours,

C. N. Dunn
Vice President, Operation

Enclosures

cc: NRC Regional Office, King of Prussia, PA
G. A. Olson, Prime Movers Committee

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A005

OPERATING DATA REPORT

DOCKET NO. 50-334
DATE 11/3/78
COMPLETED BY F. P. Wickowsky
TELEPHONE 412-643-5023

OPERATING STATUS

1. Unit Name: Beaver Valley Power Station, Unit #1
2. Reporting Period: October, 1978
3. Licensed Thermal Power (MWt): 2660
4. Nameplate Rating (Gross MWe): 923
5. Design Electrical Rating (Net MWe): 852
6. Maximum Dependable Capacity (Gross MWe): 845
7. Maximum Dependable Capacity (Net MWe): 800
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	745	7,296	21,936
12. Number Of Hours Reactor Was Critical	0	3,430.94	9,878.84
13. Reactor Reserve Shutdown Hours	745	2,377.63	3,336.03
14. Hours Generator On-Line	0	3,315.13	9,346.43
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	0	8,294,360.80	20,363,854.60
17. Gross Electrical Energy Generated (MWH)	0	2,506,800	6,181,040
18. Net Electrical Energy Generated (MWH)	0	2,341,427	5,653,299
19. Unit Service Factor	0	45.4	50.6
20. Unit Availability Factor	0	45.4	50.6
21. Unit Capacity Factor (Using MDC Net)	0	40.1	44.4
22. Unit Capacity Factor (Using DER Net)	0	37.6	41.7
23. Unit Forced Outage Rate	100	43.3	33.0

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Plant currently in extended shutdown to replace the main generator main transformer; refueling delayed. 78/11/60/111

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

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UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-334
UNIT NAME BVPS Unit #1
DATE 11/3/78
COMPLETED BY F. P. Witkowsky
TELEPHONE 412-643-5023

REPORT MONTH October, 1978

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
23	780728	F	744	A	3	LER 78-43	EB	TRANSF	A generator differential/main transformer differential trip initiated a reactor and turbine trip when a fault in the A phase of the main generator main transformer resulted in failure of the transformer.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
1-Manual
2-Manual Scram.
3-Automatic Scram.
4-Other (Explain)

4
Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG 0161)

5
Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit #1
DATE 11/3/78
COMPLETED BY F. P. Witkowsk
TELEPHONE 412-643-5023

MONTH October, 1978

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

(9/7

DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

Narrative Summary Of Operating Experience - October, 1978

Date	Event
October 1-31	The Station was shutdown in Operational Mode 5 throughout the entire month for replacement of the station main transformer and for overhaul of the main turbine-generator. Other significant operational events occurring during the month are as follows:
October 1-31	The Type C penetration leak tests were in progress and completed on October 31, 1978.
October 6-30	The Type B penetration leak tests were performed for containment electrical penetrations.
October 19-31	Preparations for the Type A containment leak test were performed.
October 14-23	A hydrostatic test of the main feedwater system was performed after installation of a Westinghouse leading edge flowmeter.
October 18	The reactor coolant system was pressurized to approximately 100 psig for Type C leak testing of safety injection system penetrations and for RCS valve leak checks.
October 20	The 1B station service transformer and 4KV busses C, D and DF were de-energized from 1240 hours until 1812 hours in order to take megger readings of the transformer.
October 21-22	Spent resin in the 1B mixed bed demineralizer was removed and replaced with new resin. Subsequent cleanup of the reactor coolant system commenced.
October 26	The 1B mixed bed demineralizer resin was transferred to solid waste after RCS cleanup.

Major Safety Related Maintenance - October, 1978

1. The 1A Charging Pump remained out of service throughout the month for replacement.
2. The 1A River Water Pump remained out of service the entire month for impeller replacement.
3. Miscellaneous safety related valve repairs were performed throughout the month.
4. Cleaning of the incore flux detector tubing was begun October 16 and continued throughout the month.
5. The special task force established to investigate the field flashing problems experienced with the diesel generators located the problem as a sticking Westinghouse type SV field flash cutout relay. Repairs are being implemented.

Narrative Summary Of Operating Experience - October, 1978 (continued)

Major Safety Related Maintenance (continued)

6. Replacement of ASME code relief valves that were removed for setpoint testing began October 20 and continued for the remainder of the month.

7. Overhaul and testing of the following large bore snubbers continued throughout the month: RC-HC-1C, 3C, 5A, 6A and 8A.

8. Repair of the 1B Charging Pump seals was begun October 26 and work continued throughout the remainder of the month.

9. The "B" control room air conditioning train remained out of service throughout the month for replacement of its compressor.

10. The 1C Unit Station Service Transformer was removed and returned to the manufacturer for testing.