Duquesne Light

Nuclear Group
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April 8, 1993

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 March, 1993.

Respectfully,

D E Spoerry

D. E. Spoerry
Division Vice President
Nuclear Operations

DTJ/mmg

Enclosures

cc: NRC Regional Office
King of Prussia, PA

IE24
1/1

NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT 1

MARCH 1993

March 1 through March 19	The Unit operated at approximately 90% output in accordance with the planned fuel cycle length extension.
March 20	At 2200 hours the Unit commenced a planned reduction in output to approximately 47% in order to complete maintenance on the "A" main feedwater pump and main condenser waterboxes prior to beginning the Unit's ninth refueling outage.
March 21 through March 25	The Unit continued to operate at approximately 47% output.
March 26	At 2000 hours the Unit commenced station shutdown for the ninth refueling outage. The Unit was taken off-line at 2209 hours when the main unit generator output breakers were opened.
March 27	The Unit entered Mode 3 at 0135 hours. The Unit entered Mode 4 at 1053 hours.
March 28	The Unit entered Mode 5 at 0513 hours.
March 29 through March 31	The Unit remained in Mode 5 for the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-334
UNIT BVPS Unit 1
DATE April 4, 1993
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH March 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	725	17	746
2	742	18	742
3	733	19	742
4	742	20	738
5	738	21	383
6	729	22	325
7	746	23	342
8	738	24	338
9	742	25	375
10	738	26	251
11	746	27	0
12	738	28	0
13	738	29	0
14	742	30	0
15	742	31	0
16	742		

INSTRUCTIONS

On this format, 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: 04/04/93
COMPLETED BY: DAVID T. JONES
TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 1
2. REPORTING PERIOD: MARCH 1993
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

Notes

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:	744.0	2160.0	148296.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	625.6	2041.6	95591.9
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	4482.8
14. HOURS GENERATOR WAS ON LINE:	622.2	2038.2	93689.0
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1318121.0	4687212.0	223662213.5
17. GROSS ELECT. ENERGY GEN. (MWH):	431420.0	1541890.0	72036383.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	401750.0	1444740.0	67310680.0
19. UNIT SERVICE FACTOR: (PERCENT)	83.6	94.4	65.2
20. UNIT AVAILABILITY FACTOR:(PERCENT)	83.6	94.4	65.2
21. UNIT CAPACITY FACTOR (MDC):PCT	66.7	82.6	58.7
22. UNIT CAPACITY FACTOR (DER):PCT	64.7	80.1	56.9
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	0.0	15.7

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE,DATE,AND DURATION OF EACH):
THE NINTH REFUELING OUTAGE CURRENTLY IN PROGRESS BEGAN ON MARCH 26, 1993 AND IS SCHEDULED TO LAST FOR 70 DAYS.

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 06/04/93

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

UNIT SHUTDOWNS AND POWER REDUCTIONS (≥20%)

REPORT MONTH MARCH 1993

Docket No. 50-334
Unit Name BVPS Unit #1
Date April 4, 1993
Completed By David T. Jones
Telephone (412) 393-7553

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
1	930320	S	0	B	5	N/A	HH	PUMPXX	Planned reduction in output to approximately 47% for maintenance on the "A" main feedwater pump and main condenser waterboxes prior to beginning the Unit's ninth refueling outage.
2	930326	S	121.8	C	1	N/A	RC	FUELXX	Unit shutdown for the ninth 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.

NARRATIVE SUMMARY OF

MONTHLY OPERATING EXPERIENCE

UNIT 2

MARCH 1993

March 1	This report period began with the Unit's output at approximately 75% in accordance with the planned fuel cycle length extension. At 0345 hours the Unit commenced a power increase to 100% output. A nominal value of 100% output was achieved at 0615 hours.
March 2 through March 12	The Unit operated at a nominal value of 100% output.
March 13	At 0530 hours the Unit reduced output to approximately 96% during a routine monthly maintenance surveillance procedure to complete a Channel I and Channel II ΔT/Tavg calibration. The power reduction was performed as a precaution to avoid a turbine runback and potential plant trip with one out of three turbine runback signals already tripped by the calibration procedure and a second channel known to experience occasional noise spiking at higher power levels. At 1615 hours the Unit returned to 100% output following completion of the calibrations.
March 14 through March 31	The Unit operated at a nominal value of 100% output during the remainder of the report period.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-412
UNIT BVPS Unit 2
DATE April 4, 1993
COMPLETED BY David T. Jones
TELEPHONE (412) 393-7553

MONTH March 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	793	17	828
2	836	18	827
3	833	19	828
4	833	20	827
5	831	21	829
6	830	22	830
7	826	23	829
8	827	24	826
9	832	25	825
10	832	26	825
11	833	27	833
12	831	28	836
13	815	29	834
14	827	30	834
15	825	31	832
16	814		

INSTRUCTIONS

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

OPERATING DATA REPORT

DOCKET NO.: 50-412
REPORT DATE: 04/04/93
COMPLETED BY: DAVID T. JONES
TELEPHONE: (412) 393-7553

OPERATING STATUS

1. UNIT NAME: BEAVER VALLEY POWER STATION, UNIT 2
2. REPORTING PERIOD: MARCH 1993
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

Notes

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:	744.0	2160.0	47079.0
12. NO. OF HRS. REACTOR WAS CRITICAL:	744.0	2127.9	40629.1
13. REACTOR RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
14. HOURS GENERATOR WAS ON LINE:	744.0	2120.6	40345.9
15. UNIT RESERVE SHUTDOWN HOURS:	0.0	0.0	0.0
16. GROSS THERMAL ENERGY GEN. (MWH):	1947152.0	5285658.0	98832299.4
17. GROSS ELECT. ENERGY GEN. (MWH):	647895.0	1758572.0	31902376.0
18. NET ELECTRICAL ENERGY GEN. (MWH):	615802.0	1667297.0	30117104.0
19. UNIT SERVICE FACTOR: (PERCENT)	100.0	98.2	85.7
20. UNIT AVAILABILITY FACTOR:(PERCENT)	100.0	98.2	85.7
21. UNIT CAPACITY FACTOR (MDC):PCT	100.9	94.1	77.4
22. UNIT CAPACITY FACTOR (DER):PCT	99.0	92.3	76.5
23. UNIT FORCED OUTAGE RATE: (PERCENT)	0.0	1.8	3.2

24. SHUTDOWNS SCHEDULED OVER NEXT SIX MONTHS (TYPE,DATE,AND DURATION OF EACH)
THE UNIT IS SCHEDULED TO SHUTDOWN FOR ITS FOURTH REFUELING OUTAGE ON SEPTEMBER 17, 1993. THE REFUELING OUTAGE IS SCHEDULED TO LAST FOR 70 DAYS.

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

UNIT SHUTDOWNS AND POWER REDUCTIONS (≥20%)

REPORT MONTH MARCH 1993

Docket No. 50-412
Unit Name BVPS Unit #2
Date April 4, 1993
Completed By David T. Jones
Telephone (412) 393-7553

No.	Date	Type1	Duration (Hours)	Reason2	Method of Shutting Down Reactor3	Licensee Event Report #	System Code4	Component Code5	Cause & Corrective Action to Prevent Recurrence
7	9303[illegible]	S	0	H	4	N/A	ZZ	ZZZZZZ	The Unit continued to operate at a reduced output of approximately 75% in accordance with the planned fuel cycle length extension.

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).

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Exhibit H-Same Source.