

OPERATING DATA REPORT

DOCKET NO. 50-003
 DATE 2-8-78
 COMPLETED BY L. Kawula
 TELEPHONE 914-694-6000
 Ext. 209 @ I.P.

OPERATING STATUS

1. Unit Name: Indian Point Unit No. 1
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): _____
4. Nameplate Rating (Gross MWe): _____
5. Design Electrical Rating (Net MWe): _____
6. Maximum Dependable Capacity (Gross MWe): _____
7. Maximum Dependable Capacity (Net MWe): _____
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) _____

Notes

* Report, Give Reasons:

9. Power Level To Which Restricted, If Any (Net MW) _____
10. Reasons For Restrictions, If Any: _____

ALL FUEL UNLOADED
 NO DECISION ON FUTURE OPERATION

11. Hours In Reporting _____
12. Number Of Hou. _____
13. Reactor Reserve Si. _____
14. Hours Generator On. _____
15. Unit Reserve Shutdown _____
16. Gross Thermal Energy Gen. _____
17. Gross Electrical Energy Gen. (MWH) _____
18. Net Electrical Energy Generated (MWH) _____
19. Unit Service Factor _____
20. Unit Availability Factor _____
21. Unit Capacity Factor (Using MDC Net) _____
22. Unit Capacity Factor (Using DER Net) _____
23. Unit Forced Outage Rate _____
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): _____

Yr.-to-Date Cumulative

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
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

8111120013 780215
 PDR ADOCK 05000003
 R PDR

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-003

UNIT I.P. Unit No. 1

DATE 2-8-78

COMPLETED BY L. Kawula

TELEPHONE 914-694-6000
Ext. 209 @ I.P.

MONTH January, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	
2	
3	N
4	
5	
6	
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	N
28	
29	
30	
31	E

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

REPORT MONTH January, 1978

DOCKET NO. 50-003
 UNIT NAME I.P. Unit No. 1
 DATE 2-8-78
 COMPLETED BY L. Kawula
 TELEPHONE 914-694-6000
 Ext. 209 @ I.P.

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
					N O N E				

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

DOCKET NO. 50-003

DATE 2 - 8 - 78

COMPLETED BY J. Makepeace

TELEPHONE 914-739-8823

Summary of Operating Experience - January, 1978
(Unit No. 1)

All fuel unloaded, no decision on future operation.

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 2-8-78
 COMPLETED BY L. Kawula
 TELEPHONE 914-694-6000
 Ext. 209 @
 I.P.

OPERATING STATUS

1. Unit Name: Indian Point Unit No. 2
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2758
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Dependable Capacity (Gross MWe): 900
7. Maximum Dependable Capacity (Net MWe): 864
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes On January 23, 1978
 the Unit established a
 new system record for
 continuous on-line
 operation

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

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	744	31 465
12. Number Of Hours Reactor Was Critical	744	744	21 098.30
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744	744	20 467.97
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2 031 222	2 031 222	51 983 117
17. Gross Electrical Energy Generated (MWH)	608 400	608 400	16 126 926
18. Net Electrical Energy Generated (MWH)	584 142	584 142	15 374 999
19. Unit Service Factor	100.0	100.0	65.0
20. Unit Availability Factor	100.0	100.0	65.0
21. Unit Capacity Factor (Using MDC Net)	90.9	90.9	56.6
22. Unit Capacity Factor (Using DER Net)	89.9	89.9	56.0
23. Unit Forced Outage Rate	0	0	9.7

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

Refueling outage to commence in February, 1978

25. If Shut Down At End Of Report Period, Estimated Date of Startup: -
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH January, 1978

DOCKET NO. 50-247
 UNIT NAME I.P. Unit No. 2
 DATE 2-8-78
 COMPLETED BY L. Rawula
 TELEPHONE 694-6000
 Ext: 209 @ I.P.

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
N/A	780113	F	0	A	4	N/A	H H	Pump XX B	Excessive leakage from No. 22 heater drain pump shaft seal. Replaced seal.

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. 50-247
~~Indian Point~~
UNIT Unit No. 2
DATE 2-8-78
COMPLETED BY L. Kawula
TELEPHONE 914-694-6000
Ext. 209 @
I.P.

MONTH January, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>794</u>
2	<u>791</u>
3	<u>793</u>
4	<u>796</u>
5	<u>801</u>
6	<u>806</u>
7	<u>797</u>
8	<u>716</u>
9	<u>795</u>
10	<u>796</u>
11	<u>797</u>
12	<u>794</u>
13	<u>786</u>
14	<u>590</u>
15	<u>788</u>
16	<u>807</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>786</u>
18	<u>808</u>
19	<u>791</u>
20	<u>805</u>
21	<u>792</u>
22	<u>791</u>
23	<u>793</u>
24	<u>797</u>
25	<u>800</u>
26	<u>791</u>
27	<u>793</u>
28	<u>788</u>
29	<u>783</u>
30	<u>784</u>
31	<u>789</u>

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.

(9/77)

DOCKET NO. 50-247

DATE 2-8-78

COMPLETED BY J. Makepeace

TELEPHONE 914-739-8823

Summary of Operating Experience - January, 1978

Unit No. 2

Unit No. 2 remained in service with a gross electrical output of approximately 840 MW for the entire month, with the following exception:

- 1) On January 13, 1978, at 2225 hours, a load reduction to 520 MW was begun to permit removal of No. 22 heater drain pump for repairs to its mechanical shaft seal, which had been leaking excessively. Following these repairs, a load increase to 840 MW was initiated at 1355 hours the next day. Output reached 840 MW at 1730 hours on January 14, 1978.

The last shipment of Region 5 fuel assemblies was received on January 14, 1978. All 60 Region 5 fuel assemblies are now on site.

OPERATING DATA REPORT

DOCKET NO. 50-286
 DATE 2-8-78
 COMPLETED BY L. Kawula
 TELEPHONE 914-694-6000
 Ext. 209 @ I.P.

OPERATING STATUS

1. Unit Name: Indian Point Unit No. 3
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2760
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Dependable Capacity (Gross MWe): 910
7. Maximum Dependable Capacity (Net MWe): 873
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes Unit operated at essentially full licensed power for the month with no significant problems.

9. Power Level To Which Restricted, If Any (Net MWe): 873
10. Reasons For Restrictions, If Any: License Restriction (91% of Rated Power)

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744</u>	<u>744</u>	<u>12 481</u>
12. Number Of Hours Reactor Was Critical	<u>744</u>	<u>744</u>	<u>9 725.61</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>744</u>	<u>744</u>	<u>9 584.73</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 951 512</u>	<u>1 951 512</u>	<u>25 226 072</u>
17. Gross Electrical Energy Generated (MWH)	<u>672 030</u>	<u>672 030</u>	<u>8 375 670</u>
18. Net Electrical Energy Generated (MWH)	<u>647 364</u>	<u>647 364</u>	<u>8 038 743</u>
19. Unit Service Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
20. Unit Availability Factor	<u>100.0</u>	<u>100.0</u>	<u>76.8</u>
21. Unit Capacity Factor (Using MDC Net)	<u>99.7</u>	<u>99.7</u>	<u>73.8</u>
22. Unit Capacity Factor (Using DER Net)	<u>99.7</u>	<u>99.7</u>	<u>73.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>3.9</u>

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

Refueling Outage tentatively scheduled for May, 1978.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286

UNIT I.P. Unit No. 3

DATE 2-8-78

COMPLETED BY L. Kawula

TELEPHONE 914-694-6000
Ext. 209 @ I.P.

MONTH January, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	885
2	882
3	883
4	881
5	880
6	882
7	693
8	731
9	878
10	885
11	881
12	878
13	883
14	883
15	885
16	886

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	883
18	881
19	880
20	884
21	877
22	884
23	877
24	868
25	874
26	881
27	879
28	880
29	884
30	882
31	882

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

REPORT MONTH January, 1978

DOCKET NO. 50-286
 UNIT NAME I.P. Unit No. 3
 DATE 2-8-78
 COMPLETED BY L. Kawula
 TELEPHONE 914-694-6000
 Ext. 209 @ I.P.

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
N/A	780107	N/A	0	B	4	None	HB	Turbine	Power reduction to perform monthly turbine stop and control valve test.

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

DOCKET NO. 50-286

DATE 2-8-78

COMPLETED BY J. Makepeace

TELEPHONE 914-739-8823

Summary of Operating Experience - January, 1978

Unit No. 3

Unit No. 3 remained in service for the entire month, with a gross electrical output of approximately 910 MW, with the following exceptions:

- 1) At 0900 hours on January 7, 1978, a load reduction was begun in order to perform a monthly turbine stop and control valve test. At 1530 hours that day load was at 310 MW. The test was completed at 1800 hours, and load was returned to 910 MW by 2330 hours.
- 2) On January 8, 1978, due to a mechanical seal failure on No. 31 heater drain pump, a load reduction from 910 MW was started at 1030 hours. Load was stabilized at 550 MW, and No. 31 heater drain pump was isolated for repairs. At 2000 hours, repairs were completed on the pump, the pump was returned to service, and a load increase was begun. Output reached 910 MW at 0400 hours on January 9, 1978.

On January 21, 1978, No. 32 circulating water pump was removed from service for inspection of No. 32 condenser sextant. A total of 14 condenser tube leaks were identified and plugged at that time. The pump was then returned to service.

On January 24, 1978, a similar inspection of No. 34 condenser sextant resulted in the plugging of 2 tubes in that sextant.

On January 24, 1978, the 13.8 KV gas turbine substation transformer tripped due to an activation of protection relays. Subsequent investigation revealed the cause as a flashover on a bus duct joint due to moisture collection. The failed joints were cleaned and taped, and the transformer was returned to service on January 25, 1978.