

# OPERATING DATA REPORT

LOCKET NO. 50-247  
 DATE 8-8-86  
 COMPLETED BY K. Krieger  
 TELEPHONE (914) 526-5155

## OPERATING STATUS

1. Unit Name: Indian Point Unit No. 2
2. Reporting Period: July 86
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): 885
7. Maximum Dependable Capacity (Net MWe): 849
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):
10. Reasons For Restrictions, If Any:

	This Month	Yr-To-Date	Cumulative
11. Hours In Reporting Period	744	5087	105936
12. Number Of Hours Reactor Was Critical	726.27	1690.25	70860.11
13. Reactor Reserve Shutdown Hours	17.73	214.40	3612.77
14. Hours Generator On-Line	695.63	1552.74	68689.42
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1894314	3907943	178734240
17. Gross Electrical Energy Generated (MWH)	589870	1208970	55458446
18. Net Electrical Energy Generated (MWH)	566135	1126015	52905001
19. Unit Service Factor	93.5	30.5	64.8
20. Unit Availability Factor	93.5	30.5	64.8
21. Unit Capacity Factor (Using MDC Net)	89.6	25.8	58.2
22. Unit Capacity Factor (Using DER Net)	87.2	25.4	57.2
23. Unit Forced Outage Rate	6.5	18.9	9.2
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

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 ELECTRIFICITY  
 COMMERCIAL OPERATION

Forecast      Achieved  
 /      /  
 N/A

B610140136 B60731  
 PDR ADDCK 05000247  
 R PDR

IC 24 1/1  
 (9/77)

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247  
 UNIT I.P. Unit #2  
 DATE 8-8-86  
 COMPLETED BY K. Krieger  
 TELEPHONE (914) 526-5155

MONTH July 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>832</u>
2	<u>830</u>
3	<u>835</u>
4	<u>836</u>
5	<u>835</u>
6	<u>835</u>
7	<u>800</u>
8	<u>671</u>
9	<u>826</u>
10	<u>836</u>
11	<u>837</u>
12	<u>833</u>
13	<u>836</u>
14	<u>834</u>
15	<u>839</u>
16	<u>833</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>834</u>
18	<u>0</u>
19	<u>0</u>
20	<u>586</u>
21	<u>811</u>
22	<u>831</u>
23	<u>833</u>
24	<u>830</u>
25	<u>835</u>
26	<u>827</u>
27	<u>834</u>
28	<u>824</u>
29	<u>827</u>
30	<u>804</u>
31	<u>797</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.

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-247  
 UNIT NAME IP Unit # 2  
 DATE 8-8-86  
 COMPLETED BY K. Kreiger  
 TELEPHONE (914) 526-5155

REPORT MONTH July 1986

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 <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
N/A	860707	F	0	N/A	N/A	N/A	CH	Pump XX	22 NEFP Repair
8	860718	F	48.37	G	3	86-024	EG	B Genera	MG Set Operator Error/ Disciplinary Action Taken

<sup>1</sup>  
 F. Forced  
 S. Scheduled

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

<sup>3</sup> Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

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

<sup>5</sup> Exhibit I - Same Source

MAJOR SAFETY-RELATED  
CORRECTIVE MAINTENANCE

<u>MWO</u>	<u>SYSTEM</u>	<u>COMPONENT VALUE</u>	<u>DATE</u>	<u>WORK PERFORMED</u>
20819	IA	21 IA Comp.	6/23/86	Overhauled compressor
20928	EDG	21 Emerq Diesel Generator	6/12/86	Replaced compressor & solenoid valve
26503	HVAC	PCV 1191	6/23/86	Cleaned valve seat
27470	SIS	Valve 850A	6/30/86	Adjusted stroke line
26376	CVCS	22 BATP Disch line	6/12/86	Cleared discharge line
26386	CVCS	22 Charging pump	6/24/86	Welded nipple on relief valve
26778	MS	PCV 1134	6/16/86	Repaired bonnet
27019	RHP	Seals	6/15/86	Rebuilt seals
23538	EDG	22 EDG Cooler	6/17/86	Replaced anodes
27029	CVCS	23 Chrq Pump	6/17/86	Replaced suction & discharge valves
20607	HVAC	PCV 1191	6/16/86	Replaced Miller valve
26254	CVCS	22 Chrq Pump	6/24/86	Repacked pump
24763	CVCS	21 Chrq Pump	6/12/86	Repacked pump
25500	IA	21 IACC Pump	6/19/86	Repacked pump
25504	IA	22 IACC Pump	6/24/86	Repacked pump
26535	HVAC	25 PCV	6/20/86	Balance Move
26590	RCS	1 Cono Seal Thermocouple	6/12/86	Replaced female flange
26385	CRD	21 MG set	6/24/86	Renewed bearings

## SUMMARY OF OPERATING EXPERIENCE

### JULY 1986

In general, Unit ' has operated at 100% power throughout July.

From July 1st to July 5th, #22 through #26 Circulating Water Pumps were removed from service to clean the condenser tube sheet. Power was reduced from 10 to 20 MWE for no more than two hours per pump. On July 6th, #21 Circulating Water Pump was secured for eight hours to clean the tube sheet and plug sixteen tubes. All power reductions were conducted at off peak system demand times.

On July 7th #22 Main Boiler Feed Pump developed an oil leak which required a power reduction of 260 MWE for eight hours. The following day, the pump's discharge valve required maintenance and power was reduced 360 MWE for ten hours. Additional power sensitive preventive maintenance was conducted during these power reductions.

A diver inspection on July 9th, of #24 Circulating Water Pump and traveling screen required an eight hour power reduction of 40 MWE.

On July 21, power was reduced 100 MWE for eight hours to repair a condenser tube leak.

#21 Heater Drain Tank Pump required repairs on the mechanical seal which resulted in a power reduction of 100 MWE for four hours July 30th. Also, a collapse of #21 Circulator Screen resulted in a two hour power reduction of 20 MWE.

On July 31, an LCO on valve 850 A required a 290 MWE power reduction. However, the unit was returned to full power in four hours.

Murray Selman  
Vice President

Consolidated Edison Company of New York, Inc.  
Indian Point Station  
Broadway & Bleakley Ave.  
Buchanan, NY 10511  
Telephone (914) 737-8116

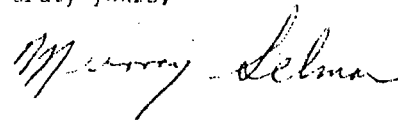
August 15, 1986

Re: Indian Point Unit No. 2  
Docket No. 50-247

Director, Office of Management  
and Program Analysis  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Enclosed are twelve copies of the Monthly Operating Report for Indian Point  
Unit No. 2 for the month of July 1986.

Very truly yours,



Encl.

18.251.8.13.1

cc: Dr. Thomas E. Murley  
Regional Administrator - Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Senior Resident Inspector  
U.S. Nuclear Regulatory Commission  
P.O. Box 38  
Buchanan, NY 10511

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