

# OPERATING DATA REPORT

DOCKET NO. 50-247  
 DATE 9-8-86  
 COMPLETED BY K. Krieger  
 TELEPHONE 914 526-5155

## OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: August 1986
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	5831	106680
12. Number Of Hours Reactor Was Critical	738.13	2428.38	71598.24
13. Reactor Reserve Shutdown Hours	0	214.40	3612.77
14. Hours Generator On-Line	734.97	2287.71	69424.39
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1992185	5900658.	180726955
17. Gross Electrical Energy Generated (MWH)	615270	1824240	56073716
18. Net Electrical Energy Generated (MWH)	591285	1717300	53496286
19. Unit Service Factor	98.8	39.2	65.1
20. Unit Availability Factor	98.8	39.2	65.1
21. Unit Capacity Factor (Using MDC Net)	93.6	34.4	58.4
22. Unit Capacity Factor (Using DER Net)	91.0	33.7	57.4
23. Unit Forced Outage Rate	1.2	13.9	9.1

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 ELECTRICITY  
 COMMERCIAL OPERATION

Forecast Achieved

~~/~~ N/A ~~/~~

8612310104 860831  
 PDR ADDCK 05000247  
 R PDR

(9/77)

IE24  
 1/1

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247  
UNIT I.P. Unit #2  
DATE 9/8/86  
COMPLETED BY K. Krieger  
TELEPHONE 914 526-5155

MONTH August 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	779
2	673
3	349
4	804
5	822
6	819
7	814
8	828
9	806
10	822
11	823
12	820
13	827
14	827
15	822
16	781

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	821
18	824
19	826
20	823
21	824
22	799
23	819
24	821
25	823
26	823
27	825
28	830
29	833
30	833
31	696

## 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)

## UNIT SHUTDOWNS AND TOWER REDUCTIONS

REPORT MONTH August 1986

DOCKET NO. 50-247  
 UNIT NAME I.P. Unit #2  
 DATE 9/8/86  
 COMPLETED BY K. Krieger  
 TELEPHONE (914) 526-5155

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
9	860802	F	9.03	A	3	86-027	CH	Pump xx B	22 MBFP Trip due to low auto stop oil signal. Corrective action/install new oil tubing to increase oil supply.
N/A	860831	N/A	N/A	N/A	N/A	N/A	RB	CRDRVE	Experienced turbine runback due to Control Rod E9 drop problem.

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

(1/77)

MAJOR SAFETY RELATED  
CORRECTIVE MAINTENANCE

<u>MWO</u>	<u>SYSTEM</u>	<u>COMPONENT VALUE</u>	<u>DATE</u>	<u>WORK PERFORMED</u>
27330	AFW	22AFWP Gov	7/29/86	Fabricated & Installed Plate
27093	B&G	80' Air Lock	7/15/86	Replaced Taper Pin
27108	MS	MSI	7/15/86	Adjusted Packing
27113	FW	FCV447	7/15/86	Added Packing
27750	CM	Polar Crane	7/23/86	Tightened Connections
24428	EDG	23 EDG	7/14/86	Cleaned Solenoid
26122	CVCS	204B	7/23/86	Tightened Bonnet
23386	CVCS	22 Chg Pump	7/28/86	Welded Nipple
27059	MS	MS 46C	7/28/86	Replaced Trim Set
24026	SFPC	22SFP	7/29/86	Overhauled Pump
27308	CVCS	23 Chg Pump	7/15/86	Replaced Seals
22732	CVCS	22 Chg Pump	7/30/86	Replaced Vlvs Seats, Etc
25360	MS	MS55B	7/22/86	Changed Seal Bonnet and Repacked

## SUMMARY OF OPERATING EXPERIENCE

### AUGUST 1986

Unit 2 operated at 100% power through most of August.

On August 1st, power was reduced to 790MWE for twelve hours to repair #21 Circulating Water Pump Fixed Screen. Power was again reduced to 815MWE August 4th for maintenance on #21 Circulating Water Pump Fixed Screen. The unit was returned to full power in ten hours.

#22 Main Boiler Feed Pump tripped August 2nd, resulting in a unit trip. Repairs were completed and the unit was returned to full power.

Power was reduced to 736MWE for one hour on August 7th to inspect #21 Circulating Water Screen.

On August 7th, failure of #23 Diesel Generator output breaker resulted in a Notification of an Unusual Event. Unit power was ramped down to 717MWE as repairs were conducted. The unit was returned to full power in nine hours.

On August 9th, the 6.9kv bus 6 and 480V bus 6A were deenergized during #23 Diesel Generator and bus 6A output breaker repairs. Power was reduced to 630MWE for five hours to comply with Tech Specs.

August 12th, #26 Circulating Water Pump was removed from service to clean the condenser tube sheet. Power was reduced 20MWE for no more than two hours.

Due to water contamination on August 13th, the Diesel Generator Fuel Tanks were considered to contain less than the required amount of fuel under Tech Specs. A plant shut down was commenced, which lowered power to 807MWE. Subsequently, the reading was discovered to be in error. Power was restored to 839MWE in two hours.

On August 14th, power was reduced 20MWE for one hour to secure #25 Circulating Water Pump.

Maintenance on both Boiler Feed Pumps required power to be reduced to 640MWE for four hours on August 16th.

#26CWP intake structure repairs required an eight hour power reduction of 75MWE on August 25.

Power was reduced to 790MWE August 31, in preparation for maintenance on Feeder W93. Scheduled maintenance was cancelled and the plant was returned to full power in one hour.

Control Rod E-9 was dropped on August 31 which resulted in power being reduced to 670MWE for fifteen hours.

**Murray Selman**  
Vice President

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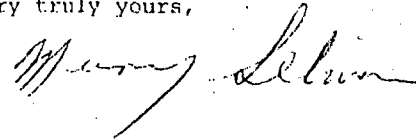
September 15, 1986

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 August 1986.

Very truly yours,



Encl.

18,251.4.13.1

cc: Dr. Thomas E. Murley  
Regional Administrator - Region I  
U.S. Nuclear Regulatory Commission  
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