

Summary of Operating Experience

December 1988

The unit was operated at 100% reactor power for the month of December, except for the following reductions in power.

A power reduction was initiated at 0205 on 12/12 due to an inoperable refueling water storage tank (RWST) level indicator. The RWST level indicator was returned to service at 0242 and power level was returned to 100% by 0340 the same day.

A power reduction was initiated at 0415 on 12/18 due to the declaration of a limiting condition of operation (LCO) at 0315. The LCO was entered to complete corrective maintenance on service water pump piping hangers. The LCO was existed at 0810 upon completion of maintenance on the hangers, and power level was returned to 100% by 1630 the same day.

Power was reduced at 2004 on 12/26 to replace fan belts on #21 and #22 isophase bus fans. The belts were replaced and power level was returned to 100% by 2125 the same day.

Power was reduced to approximately 92% at 2000 on 12/27 to conduct the periodic turbine stop valve test. Test was completed and power level was returned to 100% by 2125 the same day.

The unit remained at 100% reactor power for the remainder of the month.

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# OPERATING DATA REPORT

DOCKET NO. 50-247  
 DATE 1-9-89  
 COMPLETED BY K. Krieger  
 TELEPHONE (914) 526-5155

## OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: December 1988
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

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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	8784	127153
12. Number Of Hours Reactor Was Critical	744	7491.83	88111.00
13. Reactor Reserve Shutdown Hours	0	141.51	3910.01
14. Hours Generator On-Line	744	7250.14	85646.82
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2042469	19496814	232020093
17. Gross Electrical Energy Generated (MWH)	607369	6318031	69930587
18. Net Electrical Energy Generated (MWH)	647997	6063986	66800901
19. Unit Service Factor	100	82.5	67.4
20. Unit Availability Factor	100	82.5	67.4
21. Unit Capacity Factor (Using MDC Net)	100.8	80.6	61.2
22. Unit Capacity Factor (Using DER Net)	99.8	79.1	60.2
23. Unit Forced Outage Rate	0	3.6	8.2

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

Refueling/Maintenance Outage, March 15, 1989 approximately 72 days.

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  
 N/A  
 N/A

N/A  
 N/A  
 N/A

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# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247

UNIT IP Unit #2

DATE 1-9-89

COMPLETED BY K. Krieger

TELEPHONE (914) 526-5155

MONTH December 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>871</u>
2	<u>879</u>
3	<u>876</u>
4	<u>871</u>
5	<u>878</u>
6	<u>875</u>
7	<u>874</u>
8	<u>875</u>
9	<u>875</u>
10	<u>871</u>
11	<u>874</u>
12	<u>870</u>
13	<u>879</u>
14	<u>873</u>
15	<u>874</u>
16	<u>881</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>871</u>
18	<u>746</u>
19	<u>875</u>
20	<u>875</u>
21	<u>879</u>
22	<u>876</u>
23	<u>881</u>
24	<u>877</u>
25	<u>879</u>
26	<u>878</u>
27	<u>864</u>
28	<u>875</u>
29	<u>879</u>
30	<u>876</u>
31	<u>872</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.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December 1988

DOCKET NO. 50-247  
UNIT NAME IP Unit #2  
DATE 1-9-89  
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
	881218	F	0	D	N/A		WA	SUPPORT A	7- hours LCO per T.S. 3.0.1 due to Maintenance on S.W.P. restraints.

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

<sup>2</sup>  
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)

<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

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MAJOR SAFETY-RELATED  
CORRECTIVE MAINTENANCE

<u>MWO</u>	<u>SYSTEM</u>	<u>EQUIPMENT</u>	<u>DATE</u>	<u>WORK DONE</u>
39444	EDG	F.O. PRESS SW	9/4/88	REPLACED TUBING AND VALVES
40549	EDG	L.O. CLR. LEAK	9/21/88	REPLACED BUNDLE
40470	AFW	CT 35-2	9/12/88	REPLACED VALVE
40018	EDG 22	XFR SW DOES NOT XFR	9/8/88	RENEWED CONTACTS
40514	AFW	CT 35	10/24/88	REPLACED VALVE
40814	RAD R 49	HT-EX	10/27/88	REPLACED HT EX.
40359	RAD R 53	HT-EX	10/27/88	REPLACED HT EX.
41616	CVCS	22BATP	12/16/88	ADJUSTED SEAL

Stephen B. Bram  
Vice President

Consolidated Edison Company of New York, Inc.  
Indian Point Station  
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January 15, 1989

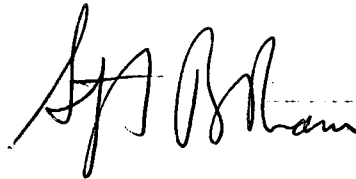
Re: Indian Point Unit No. 2  
Docket No. 50-247

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

Dear Sir:

Enclosed are twelve copies of the Monthly Operating Report for Indian Point Unit No. 2 for the month of December 1988.

Very truly yours,



Enclosure

cc: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

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