

### Summary of Operating Experience

The unit was undergoing 90% power physics testing when the month began, returning from a scheduled refueling and maintenance outage.

Load ascention to 100% reactor power commenced on February 3 and was achieved at 0406 hours on February 4th.

On February 9th, a planned shutdown to hot shutdown was completed for the purpose of preparing the unit to conduct a special torsional test to identify the natural torsional frequencies of the newly-installed electrical generator, and to conduct minor maintenance. During shutdown, leaks on two reactor head conoseals were observed. After an evaluation, the reactor was made critical at 0850 hours on February 11.

After completion of the special torsional test, the unit was synchronized to the bus at 0036 on February 13 and 100% power was achieved the same day.

The unit operated for the remainder of the month at full power except for two brief load reductions and one unit shutdown. On February 21 the turbine was taken off line to repair a loose turbine coupling noise reduction shroud. On February 26, load was reduced to 860 MWe to conduct the high pressure turbine control and stop valve exercise test. On February 29 load was reduced by approximately 80 MWe for a 3 hour period to conduct a low pressure steam turbine inlet steam traverse test.

8803300333 880229  
PDR ADOCK 05000247  
R DCD

BE241/

# OPERATING DATA REPORT

DOCKET NO. 50-247  
DATE 3/8/88  
COMPLETED BY K. Krieger  
TELEPHONE (914) 526-5155

## OPERATING STATUS

1. Unit Name: Indian Point Unit No. 2
2. Reporting Period: February 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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes

N/A

9. Power Level To Which Restricted, If Any (Net MWe): N/A
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period..	<u>696</u>	<u>1440</u>	<u>119809</u>
12. Number Of Hours Reactor Was Critical	<u>639.93</u>	<u>929.30</u>	<u>81548.47</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>3768.50</u>
14. Hours Generator On-Line	<u>592.07</u>	<u>795.90</u>	<u>79192.58</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>1579110</u>	<u>1902921</u>	<u>206738400</u>
17. Gross Electrical Energy Generated (MWH)	<u>521034</u>	<u>616164</u>	<u>64228720</u>
18. Net Electrical Energy Generated (MWH)	<u>500491</u>	<u>577825</u>	<u>61314740</u>
19. Unit Service Factor	<u>85.1</u>	<u>55.3</u>	<u>66.1</u>
20. Unit Availability Factor	<u>85.1</u>	<u>55.3</u>	<u>66.1</u>
21. Unit Capacity Factor (Using MDC Net)	<u>83.2</u>	<u>46.4</u>	<u>59.6</u>
22. Unit Capacity Factor (Using DER Net)	<u>82.4</u>	<u>46.0</u>	<u>58.6</u>
23. Unit Forced Outage Rate	<u>1.3</u>	<u>3.1</u>	<u>8.6</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>N/A</u>		

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247

UNIT IP Unit No. 2

DATE 3/8/88

COMPLETED BY K. Krieger

TELEPHONE (914)526-5155

MONTH February 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>796</u>
2	<u>793</u>
3	<u>840</u>
4	<u>876</u>
5	<u>879</u>
6	<u>884</u>
7	<u>880</u>
8	<u>716</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>669</u>
14	<u>880</u>
15	<u>880</u>
16	<u>879</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>885</u>
18	<u>885</u>
19	<u>883</u>
20	<u>885</u>
21	<u>365</u>
22	<u>891</u>
23	<u>880</u>
24	<u>889</u>
25	<u>887</u>
26	<u>883</u>
27	<u>883</u>
28	<u>887</u>
29	<u>875</u>
30	<u>-----</u>
31	<u>-----</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 February 1988DOCKET NO. 50-247UNIT NAME IP Unit No. 2DATE 3/8/88COMPLETED BY K. KriegerTELEPHONE (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
3	880209	S	95.83	B	1	-----	HA	Genera D	Unit Shutdown for R.P.I. Recal and Generator Torsional Test.
4	880221	F	8.10	A	4	-----	HA	Turbin.	Turbine Taken Off Line to Repair Cracked Coupling Shroud. <u>Reactor Remained Critical.</u>

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

(9/77)

Major Safety Related Corrective Maintenance

<u>WO</u>	<u>SYSTEM</u>	<u>DATE</u>	<u>COMPONENT</u>	<u>WORK</u>
35429	IA	1/5/88	VALVE 201-202	REPAIRED AIRLINE
35169	ELEC	1/13/88	CIRCUIT 51 B	REPLACED HEATERS
36279	RCS	1/14/88	#23 SG	RENEWED HILL SIDE PORT
36169	ELEC	1/8/88	#21 E.D.G.	REPLACED HOSE
21943	CVCS	1/11/88	VALVE 4001	REPLACED VALVE
27141	CVCS	1/11/88	VALVE 4000	REPLACED VALVE
36541	ICIA	1/7/88	THIMBLE L13	ADJUSTED H.P. SEAL
35058	RCS	1/7/88	RTD 440B	RENEWED RTD
36801	AFW	1/19/88	#22 AFWP	ADJUST TRIP MECH
32213	RCS	1/7/88	RTD 442B	RENEWED RTD
26688	CVCS	1/11/88	CHECK VALVE 4005	REPLACED VALVE
26689	CVCS	1/11/88	CHECK VALVE 4004	REPLACED VALVE
35488	CC	1/7/88	#23 CC PUMP	REPLACED MOTOR
27511	RCS	1/7/88	RTD 411A	RENEWED RTD
32212	RCS	1/7/88	RTD 410B	RENEWED RTD
36990	B&G	2/25/88	95 AIRLOCK	ADJUSTED LATCHES
37035	MS	2/3/88	MS 55C	REPLACED STEM NUT

<u>WO</u>	<u>SYSTEM</u>	<u>DATE</u>	<u>COMPONENT</u>	<u>WORK</u>
33836	CVCS	2/29/88	#21 CH.PUMP	ADJUSTED AND CALIBRATED
36992	AFW	2/16/88	#22 ABFP	ADJUSTED TRIP LEVER
37319	SW	2/26/88	SWN 621	REPLACED STRAINER
32875	SW	2/26/88	SWN 620	REPLACED STRAINER
36382	SW	2/5/88	SWN 2-2	REPLACED VALVE
36760	IA	2/3/88	#21 IA COMP	REPAIRED #21 IA COMP

Stephen B. [redacted]  
Vice President

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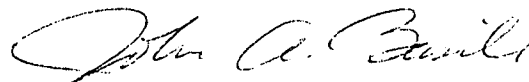
February 19, 1988

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 February 1988.

Very truly yours,



Enclosure

cc: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

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