

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 6-6-86
 COMPLETED BY K. Krieger
 TELEPHONE 914-526-5155

OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: May 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	3623	104472
12. Number Of Hours Reactor Was Critical	119.27	440.65	69610.51
13. Reactor Reserve Shutdown Hours	0	0	3398.37
14. Hours Generator On-Line	93.50	388.63	67525.31
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	82872	882209	175708506
17. Gross Electrical Energy Generated (MWH)	18180	270940	54520416
18. Net Electrical Energy Generated (MWH)	6686	231011	52009997
19. Unit Service Factor	12.6	10.7	64.6
20. Unit Availability Factor	12.6	10.7	64.6
21. Unit Capacity Factor (Using MDC Net)	1.1	7.4	58.0
22. Unit Capacity Factor (Using DER Net)	1.0	7.3	57.0
23. Unit Forced Outage Rate	34.0	13.7	9.0
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: 6/9/86

26. Units In Test Status (Prior to Commercial Operation):	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	N/A	
COMMERCIAL OPERATION		

8606230439 860531
 PDR ADDCK 05000247
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(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
UNIT I.P. Unit #2
DATE 6/6/86
COMPLETED BY K. Krieger
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MONTH May 1986

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	55
27	143
28	92
29	0
30	161
31	164

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 POWER REDUCTIONS

DOCKET NO. 50-247

UNIT NAME T.P. Unit #2

DATE 6-9-86

COMPLETED BY K. Krieger

TELEPHONE 914-526-5155

REPORT MONTH May 1986

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
1	860113	S	596.90	C	4	N/A	XX	XXXXXX	Cycle 7/8 Refueling Outage
2	860526	S	5.33	B	2	N/A	HA	Turbine	Check Overspeed Trip.
3	860528	F	36.18	A	3	86-017	CH	HtExch F	Hi Steam Flow SI trip caused by Steam Dump Actuation.
4	860531	F	12.09	A	1	N/A	HA	Turbine	Turbine Exciter Bearing 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

(9/77)

Major Safety Related Corrective Maintenance

WORK ORDER #	SYSTEM	COMPONENT	DATE	WORK PERFORMED
85-22732	#22 Charging Pump	CVCS	4/24/86	Replaced Valve Seats, Springs and Guide
85-22747	Valve 838A	RHR	4/25/86	Inspected and Repaired
85-23948	#23 Charging Pump	CVCS	4/22/86	Repacked Pump
86-252696	120V EQ Terminal Boxes	120V	4/28/86	Inspected EQ Boxes
86-25690	#21 Rx Cavity Pump	WDS	4/16/86	Replaced Level Controls
85-17820	#22 Primary Water Transfer Pump	PW	4/27/86	Replaced Spool Piece and gaskets
85-24622	RV 855	SIS	4/4/86	Replaced RV 855
84-16701	Valves, 1A, 3A, 3-1	1A	4/22/86	Replaced Valves

Summary of Operating Experience

May 1986

The unit was at cold shutdown as the month of May began. Repair of reactor head spare penetrations and the main generator were nearing completion.

During plant heat up on 3 May 1986, the motor on Reactor Coolant Pump 24 was damaged due to loss of lubricating oil. A compatible replacement motor was located at Indian Point Unit 3. It was decided to complete repairs to 22 Residual Heat Removal Pump prior to returning to cold shutdown for RCP motor replacement. RHR Pump 22 was returned to service and RCS draindown was performed by 10 May 1986. Replacement of 24 Reactor Coolant Pump Motor was completed and motor start took place on 19 May 1986.

Hydrogen recombiner work was completed 21 May 1986, clearing the way for heat up to hot shutdown. This heat up was hampered by secondary safety valve leakage.

A Technical Specification Change allowing limited power operation with two of the secondary safety valves gagged was issued and the reactor was taken critical on 25 May 1986. Upon completion of physics testing, the unit was placed in service at approximately 5% reactor power.

Overspeed testing of the main turbine was conducted the morning of 26 May 1986. The unit was returned to service at 1435 hours and power was escalated to 30% reactor power for further physics testing.

At 1556 hours on 28 May 1986 an engineered safeguards actuation was responsible for a unit trip. The condenser steam dumps failed open with the reactor at 30% power and a high steam flow safety injection resulted. Reset of safety injection resulted in a second safeguards sequence actuation. This second actuation occurred because the initial high steam flow signal did not actuate the B train. A detailed description of the event and associated collective action will be documented in LER 86-017.

After completion of maintenance and diagnostic testing of B-train logic the unit was returned to service at 0407 hours 30 May 1986 following Station Nuclear Safety Committee approval for re-start. Power was slowly increased to 61% reactor power.

High bearing vibration was observed on the number 11 bearing of the main turbine generator on 31 May 1986 and a unit shutdown was completed by 1155 hours. It was determined that the permanent magnet generator PMG was damaged due to Number 11 bearing failure.

The month ended with the reactor at hot shutdown while repairs were being made to Number 11 bearing, the PMG and the secondary safeties.

John D. O'Toole
Vice President

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June 16, 1986

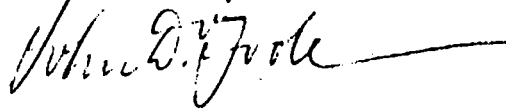
Re: Indian Point Unit No. 2
Docket No. 50-247

Mr. James N. Taylor, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTN: Document Control Desk

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

Very truly yours,



Encl.

cc: Dr. Thomas E. Murley, Regional Administrator
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