

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 3/7/83
 COMPLETED BY E. F. Eich
 TELEPHONE 914-526-5155

OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: February 1983
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:
no changes



Notes

9. Power Level To Which Restricted, If Any (Net MWe): none
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>672</u>	<u>1416</u>	<u>75961</u>
12. Number Of Hours Reactor Was Critical	<u>347.20</u>	<u>1018.80</u>	<u>49176.48</u>
13. Reactor Reserve Shutdown Hours	<u>6.88</u>	<u>6.88</u>	<u>1585.39</u>
14. Hours Generator On-Line	<u>206.33</u>	<u>728.68</u>	<u>47567.98</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>554358</u>	<u>1679887</u>	<u>123116563</u>
17. Gross Electrical Energy Generated (MWH)	<u>173640</u>	<u>518430</u>	<u>38021156</u>
18. Net Electrical Energy Generated (MWH)	<u>158961</u>	<u>481616</u>	<u>36213673</u>
19. Unit Service Factor	<u>30.7</u>	<u>51.5</u>	<u>62.6</u>
20. Unit Availability Factor	<u>30.7</u>	<u>51.5</u>	<u>62.6</u>
21. Unit Capacity Factor (Using MDC Net)	<u>27.4</u>	<u>39.4</u>	<u>55.4</u>
22. Unit Capacity Factor (Using DER Net)	<u>27.1</u>	<u>39.0</u>	<u>54.6</u>
23. Unit Forced Outage Rate	<u>35.9</u>	<u>24.5</u>	<u>10.1</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>- NONE -</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	

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
 UNIT I.P Unit 2
 DATE 3/8/83
 COMPLETED BY E. F. Eich
 TELEPHONE 914-526-5155

MONTH February 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	737
6	0	22	845
7	0	23	848
8	0	24	845
9	0	25	849
10	0	26	849
11	0	27	848
12	0	28	843
13	0	29	-
14	0	30	-
15	132	31	-
16	136		

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 1983

DOCKET NO. 50-247
 UNIT NAME I.P Unit 2
 DATE 3/8/83
 COMPLETED BY E. F. Eich
 TELEPHONE 914-526-5152

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
5	830131	S	350.02	A	1	None	CB	Pump XX x	Unit shut down to repair No. 23 Reactor Coolant Pump Seal
6	830216	F	115.65	A	3	None	HA	Turbin	Unit trip - Main turbine redundant overspeed protection system malfunction.

¹
 F: Forced
 S: Scheduled

²
 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)

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 (LLR) File (NURIG-0161)

⁵
 Exhibit I - Same Source

SUMMARY OF OPERATING EXPERIENCE

Docket No. 50-247
Date: 3/10/83
Completed by: J. Curry
Telephone No: (914) 526-5215

Indian Point Unit No. 2 began the month of February in the cold shutdown condition to permit repairs of No. 23 reactor coolant pump seal. Disassembly of the controlled leakage seal package revealed excessive wear of seal components. After the seal package was replaced a successful system hydrostatic test was performed at 2385 psig.

During the reactor coolant pump outage, non-critical path nuclear and conventional maintenance was performed. This included replacement of the 6900 volt breaker for No. 23 reactor coolant pump which failed during the first five minute pump run.

Return of the Unit to service was delayed due to insufficient main turbine bearing lift oil pressure and excessive packing gland leakage from residual heat removal system loop isolation valve No. 731. This leakage on February 13 exceeded the Emergency Action Level, therefore a Notification of Unusual Event was declared. Leakage was brought under the Emergency Action Level in under two hours and the NUE was closed.

After startup on February 15, the unit tripped automatically on February 16 due to a malfunction of the main turbine electrical overspeed protection system (IEOPS). After modifications and design improvements in the IEOPS the unit was returned to service on February 21. Power was escalated to, and remained at, 100% for the remainder of the report period.

Docket No. 50-247
Date: 3/11/83
Completed by: J. Bahr
February, 1983

Mechanical and Electrical Maintenance

Indian Point Unit No. 2

<u>Date</u>	<u>Component</u>	<u>MWR</u>	<u>Malfunction</u>	<u>Corrective Action</u>
9/15/82	No. 24 Fan Cooler Unit (FCU)	4600	FCU out of service	Shaft bearings and coupling replaced.
9/15/82	R-13 Radiation Monitor	4771	R-13 blower unit seized	Replaced blower and motor
9/20/82	Air lock door on vapor containment	4000	Air lock door interlock malfunction	Changed latch assembly rod. Moving parts in interlock lubricated
10/2/82	No. 21 Service Water Pump	5085	Stuffing box rotated shearing seal supply line	Adjusted stuffing box. Installed new 1/2 inch stainless steel nipple.
10/4/82	Safety Injection System valve 839A	2533	Valve 839A does not open upon CCR signal	Solenoid valve replaced
10/5/82	CVCS valve 268	3099	Valve 268 leaks past seat	Replaced valve bonnet
10/6/82	CVCS valve LCV-112A	2798	Diaphragm malfunction	Valve replaced
10/7/82	CVCS valve No. 357	2799	Valve leaks through in shut position	New diaphragm installed.
10/8/82	RCS Vent Valve No. 516	992	Valve leaks through	Replaced diaphragm

<u>Date</u>	<u>Component</u>	<u>MWR</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10/11/82	No. 22 charging pump	5144	Discharge check on seal injection line does not hold	Installed new piston
10/11/82	CVCS relief valve No. 264	167	Valve leaks along valve stem	Replaced valve
10/12/82	No. 21 and 22 Instrument Air Compressor discharge valves IA-3 & IA-3-1	4275 & 4300	Valves leak through	Removed valve bonnets, cleaned out rust. Reinstalled bonnet
10/12/82	CVCS relief valve No. 263	4984	Valve leaks	Installed new valve
12/11/82	MCC 210 Supply Breaker	203-6107	Failure to trip on stripping signal	Used spare wires from two existing cable runs to replace two wires found open.
10/11/82	23 Accumulator pressure indication, P1936C	202-4363	Indication failed low	Calibrated transmitter & indicator
11/11/82	23 RCP Seal Inlet temperature indication TI-153	202-4150	Indication failed high	Defective wiring at rtd head repaired
10/11/82	21 ECCS Accumulator Pressure Indication	203-4146	Discrepancy between SB1 & SM Panel Indicators	Calibrated transmitter & indicators
10/11/82	23 ECCS Accumulator Pressure Indication	203-4147	"	"

<u>Date</u>	<u>Component</u>	<u>MWR</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10/11/82	22 ECCS Accumulator Pressure Indication	203-4143	Discrepancy between SBI & SM Panel Indicators	Calibrated trans- mitter & indicators
10/11/82	23 ECCS Accumulator Level Indication	203-4144	"	"
10/11/82	24 ECCS Accumulator Level Indication	203-4145	"	"