

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 12-11-80
 COMPLETED BY E. Eich
 TELEPHONE (914) 694-6000
 Ext. 231 @ I.P

OPERATING STATUS

1. Unit Name: Indian Point Unit No. 2
2. Reporting Period: November, 1980
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:
Winter ratings (No. 6 & 7)

Notes Unit No. 2 is
 is currently out of
 service to replace the
 fan cooler heat ex-
 changers, a refueling,
 maintenance work, and
 certain plant modifications
 which had been planned some time
 ago.

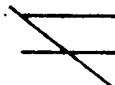
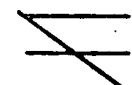
9. Power Level To Which Restricted, If Any (Net MWe): 839
10. Reasons For Restrictions, If Any: Removal of the No. 3 Disc. (Generator End)
on No. 23 Low Pressure Turbine Rotor.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>720</u>	<u>8 040</u>	<u>56 281</u>
12. Number Of Hours Reactor Was Critical	<u>0</u>	<u>5 869.48</u>	<u>38 163.91</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>1 231.30</u>	<u>1 472.79</u>
14. Hours Generator On-Line	<u>0</u>	<u>5 691.20</u>	<u>37 080.38</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>14 975 902</u>	<u>95 808 428</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>4 486 960</u>	<u>29 620 046</u>
18. Net Electrical Energy Generated (MWH)	<u>-7 494</u>	<u>4 266 232</u>	<u>28 231 332</u>
19. Unit Service Factor	<u>0</u>	<u>70.8</u>	<u>65.9</u>
20. Unit Availability Factor	<u>0</u>	<u>70.8</u>	<u>65.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>62.0</u>	<u>58.3</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>60.8</u>	<u>57.5</u>
23. Unit Forced Outage Rate	<u>100.0</u>	<u>15.3</u>	<u>9.0</u>
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):	<u>See Notes above.</u>		

25. If Shut Down At End Of Report Period, Estimated Date of Startup: 4-15-81
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast Achieved

 N.  A.

*See Notes above.

8 012230 306

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
UNIT Indian Point
Unit No. 2

DATE 12-11-80

COMPLETED BY E. Eich

TELEPHONE (914)694-6000
Ext. 231 @ I.P.

MONTH November, 1980

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

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</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 _____

DOCKET NO. 50-247
 UNIT NAME I.P. Unit No. 2
 DATE 12-11-80
 COMPLETED BY E. Eich
 TELEPHONE (914) 694-6000
 Ext. 231 @ I.P.

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
14	10-17-80	F	120.02	A	3	N/A	HA	INSTRU C	Local turbine load limit moved in decreasing direction causing system transient and resultant reactor trip via high pressurizer pressure signal.
14	11-06-80	S	599.98	C	4	N/A	XX	XXXXXX	Unit No. 2 is currently out of service to replace the fan cooler heat exchangers, a refueling maintenance work, and certain plant modifications which had been planned some time ago.

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

Indian Point Station

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Unit Unit No. 2

Date December 8, 1980

Completed By J. Makepeace

Telephone 914-739-8823

Summary of Operating Experience - November 1980

At the beginning of the report period, Unit No. 2 was in the cold shutdown condition. Unit No. 2 is currently out of service to replace the fan cooler heat exchangers, a refueling, maintenance work, and certain plant modifications which had been planned some time ago. A report describing the accumulation of water in containment is being prepared and will be forwarded to the Commission upon completion.

Degassing of the RCS was completed on November 17. Hydrazine was then added to the system and two additional reactor coolant pumps placed in service for system cleanup. Cleanup operations were completed on November 25. The RCS was then de-pressurized and draindown commenced preparatory to reactor vessel head stud detensioning and opening of the steam generator channel head manways for eddy current testing.

All three low pressure turbines have been disassembled for inspection and restacking of the rotor for No. 23 turbine. Other scheduled modification and maintenance work on the secondary side is continuing.

Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
08-01-80	No. 21 Diesel Generator	2C2 1353	Air Compressor Filter Requires Replacement	Changed Filter
08-22-80	No. 21 Diesel Generator	2C2 2211	Jacket Water Cooler Leak	Plugged Two Tube Leaks
08-26-80	No. 22 Diesel Generator	2C2 2218	Jacket Water Cooler Leak	Plugged Two Tube Leaks
09-02-80	No. 21 Charging Pump	2N2 2237	Insufficient Flow	Overhauled Pump Valves
07-07-80	No. 25 Fan Cooler Unit	2N2 2057	Cooling Coil Leak	Repaired Using EPI-Seal Process
09-09-80	No. 22 Battery	2C2 2125	Cell Connections Loose	Tightened Connections
09-09-80	Drain Valve C-10	2N2 2253	Leaks Thru	Replaced Valve
09-10-80	Spare DB-75 Breaker	2C2 2787	Overcurrent Trip Device Operating Below Required	Replaced Device
09-16-80	Residual Heat Removal Sample Line	2N2 2780	Needs Swagelok Cap	Installed Cap
09-17-80	No. 25 Service Water Pump	2C2 2798	Strainer Leaks	Repacked Strainer
09-26-80	No. 25 Fan Cooler Unit	2N1 2837	Motor Cooling Line Leaks	Repaired Using EPI-Seal Process
09-30-80	No. 25 Fan Cooler Unit	2N2 2850	Cooling Water Leaks	Installed Clamps

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Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10-03-80	No. 22 Component Cooling Pump	2N5 0213	Seal Leak	Overhauled Pump
10-03-80	No. 21 Fan Cooler Unit	2N2 2849	Cooling Coil Connection Tubing Leak	Repaired Using EPI-Seal Process
10-17-80	No. 22 Fan Cooler Unit	2N5 2932	Header Leak	Installed Clamp
10-17-80	Valve MS-1-23	2C5 2934	Valve Binding	Freedup Valve Operator
10-18-80	No. 23 Main Feed Water Regulator	2C5 2933	Packing Leak	Repacked Valve
10-18-80	No. 23 Fan Cooler Unit	2N5 2935	Motor Cooling Line Leak	Repaired Using EPI-Seal Process
10-18-80	No. 21 Steam Generator	2N5 2937	Blowdown Line Leak	Ground Out Defect and Rewelded
10-18-80	No. 25 Fan Cooler Unit	2N5 2938	Motor Cooling Line Leak	Installed Clamp
10-19-80	No. 21 Fan Cooler Unit	2N5 2940	Cooling Coil Connection Tubing Leak	Repaired Using EPI-Seal Process
10-19-80	No. 25 Fan Cooler Unit	2N5 2944	Cooling Coil Connection Tubing Leak	Repaired Using EPI-Seal Process
10-24-80	Valve 891A	2C5 2861	Closed Limit Switch Shorted	Replaced Limit Switch
10-24-80	Valve 200B	2N5 2899	Open Limit Switch Not Working	Replaced Limit Switch
10-27-80	Valve 200A	2N5 2986	Diaphragm Leak	Replaced Diaphragm

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Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10-29-80	No. 24 Reactor Coolant Pump	2N5 2992	Seal Injection RTD Not Working	Replaced RTD
10-29-80	Recirculation Sump Level Lights	2N5 3015	Float Stop Loose	Tightened Stop
10-30-80	No. 21 Atmospheric Relief Valve	2C5 1938	Not Stroking Properly	Overhauled Valve
10-31-80	No. 24 Service Water Pump	2C2 2868	Install Motor	Installed Repaired Motor.

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Unit No. 2Instrumentation and Control Repair

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10-07-80	No. 21 Boric Acid Evaporator	2N22141	Feed Tank Level Not Working	Cleared Impluse Lines and Transmitter
10-07-80	No. 24 Static Inverter	2C22846	Low Air Flow Alarm Not Working	Repositioned Air Flow Switch
10-21-80	Channel No. 42 Nuclear Instrumentation	2N52936	Channel Not Working	Replaced Detector
10-25-80	Containment Dew Point Cells	2N52967	Check Operation	Cleaned Dew Cells
10-30-80	Seal Return Flow Instrument	2N22188	Flow Alarm Not Working	Replaced Bistable Zener Diode
10-30-80	No. 22 Fan Cooler Unit Weir	2N52904	Level Indicator Not Working	Drained Water From Transmitter and Repaired Electrical Connections
10-30-80	No. 24 Fan Cooler Unit Weir	2N53005	Transmitter Damaged During Preventive Maintenance	Replaced and Recalibrated Transmitter
11-04-80	Fan Cooler Unit Service Water Flow	2N53020	Check Operation	Replaced 3 Transmitters and Recalibrated All 5 Units

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Unit No. 2Instrumentation and Control Repair

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
10-07-80	No. 21 Boric Acid Evaporator	2N22141	Feed Tank Level Not Working	Cleared Impluse Lines and Transmitter
10-07-80	No. 24 Static Inverter	2C22846	Low Air Flow Alarm Not Working	Repositioned Air Flow Switch
10-21-80	Channel No. 42 Nuclear Instrumentation	2N52936	Channel Not Working	Replaced Detector
10-25-80	Containment Dew Point Cells	2N52967	Check Operation	Cleaned Dew Cells
10-30-80	Seal Return Flow Instrument	2N22188	Flow Alarm Not Working	Replaced Bistable Zener Diode
10-30-80	No. 22 Fan Cooler Unit Weir	2N52904	Level Indicator Not Working	Drained Water From Transmitter and Repaired Electrical Connections
10-30-80	No. 24 Fan Cooler Unit Weir	2N53005	Transmitter Damaged During Preventive Maintenance	Replaced and Recalibrated Transmitter
11-04-80	Fan Cooler Unit Service Water Flow	2N53020	Check Operation	Replaced 3 Transmitters and Recalibrated All 5 Units

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