

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 7-8-80
 COMPLETED BY E. Eich
 TELEPHONE 914-694-6000
 Ext. 231 @ I.P.

OPERATING STATUS

1. Unit Name: Indian Point Station Unit No. 2
2. Reporting Period: June, 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): 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 Following Unit trip on 6-3-80, problems with main condenser and other miscellaneous maintenance work delayed return to service until 6-12-80

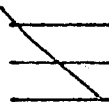
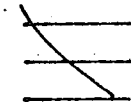
9. Power Level To Which Restricted, If Any (Net MWe): 824
10. Reasons For Restrictions, If Any: Removal of the No. 3 disc. (generator end) on No. 23 Low Pressure Turbine Rotor.

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	4 367	52 608
12. Number Of Hours Reactor Was Critical	524.07	3 308.00	35 602.43
13. Reactor Reserve Shutdown Hours	0	852.42	1 093.91
14. Hours Generator On-Line	492.25	3 218.34	34 607.52
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1 310 304	8 435 479	89 268 005
17. Gross Electrical Energy Generated (MWH)	395 010	2 555 460	27 688 546
18. Net Electrical Energy Generated (MWH)	374 724	2 434 269	26 399 369
19. Unit Service Factor	68.4	73.7	65.8
20. Unit Availability Factor	68.4	73.7	65.8
21. Unit Capacity Factor (Using MDC Net)	61.3	64.9	58.3
22. Unit Capacity Factor (Using DER Net)	59.6	63.9	57.5
23. Unit Forced Outage Rate	31.6	11.8	8.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 NONE.

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
Indian Point
 UNIT Unit No. 2
 DATE 7-8-80
 COMPLETED BY E. Eich
 TELEPHONE 914-694-6000
Ext. 231 @ I.P.

MONTH June, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	793
2	787
3	475
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	53
13	715
14	807
15	810
16	808

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	806
18	806
19	805
20	804
21	804
22	800
23	804
24	801
25	800
26	800
27	457
28	429
29	796
30	797
31	-

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 June, 1980

DOCKET NO. 50-247
 UNIT NAME I.P. Unit No. 2
 DATE 7-8-80
 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
8	6-03-80	F	217.18	A	3	80-006	EA	ZZZZZZ	Loss of Off-site Power.
9	6-27-80	F	10.57	A	3	N/A	HA	GENERA X.	Loss of Generator Excitation

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

Docket No.	<u>50-247</u>
Unit	<u>Unit No. 2</u>
Date	<u>July 8, 1980</u>
Completed By	<u>J. Makepeace</u>
Telephone	<u>914-739-8823</u>

Summary of Operating Experience- June, 1980

At approximately 1454 hours on June 3, 1980, an electrical disturbance was experienced on the Con Edison system which resulted in a loss of all off-site power to the Indian Point Nuclear Facility and a shutdown of Indian Point Unit No. 2. The disturbance was attributed to a lightning strike on one of the 345 KV/138 KV transmission towers between the Buchanan sub-station and the Millwood sub-station. All essential loads were assumed by the emergency diesel generators until off-site power was restored later that day. With the loss of forced cooling through the reactor coolant system, residual heat removal was accomplished via natural circulation. Further details concerning this incident may be found in the Licensee Event Report (No. 80-006) submitted to the Commission on June 17, 1980.

Return of the Unit to service following the June 3 loss of off-site power incident was delayed approximately nine days to locate and repair condenser tube leaks and to perform other miscellaneous maintenance work. Significant activities during this period were as follows:

1. All condenser hotwells were dumped and the condensers flooded to facilitate identification of tube leaks. Approximately 120 tube leaks were found and plugged.
2. Repairs were made to an end cap which had blown off of one of the internal steam dump discharge manifolds in No. 24 condenser.
3. Leakage by the two parallel valves (1822 A&B) in the discharge from the boron injection tank was eliminated.
4. The shell side drain piping for No. 21 steam generator was removed and its connection at the steam generator plugged. This line had parted, apparently as a result of water hammer, at a point between the steam generator connection and the first isolation valve and required a cold shutdown to effect repairs.

Unit No. 2 was returned to service at 1601 hours on Thursday, June 12, 1980. Load was gradually escalated reaching 100% reactor power the following morning.

At 1407 hours on June 27, 1980 the Unit tripped again via loss of field relay protection. The cause of the trip was subsequently found to be the result of a defective exciter field overcurrent relay. The Unit was returned to service at 0041 hours the following morning and operated at full power for the remainder of the report period.

Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
04-09-80	No. 24 Service Water Pump	2C51073	Requires Overhaul	Replaced Pump
04-30-80	No. 25 Service Water Pump	2C21393	Packing Leak	Repacked Pump
05-07-80	No. 22 Charging Pump	2N21530	Speed Control Not Working Properly	Purged Control Lines
05-09-80	No. 25 Service Water Pump	2C21599	Packing Leak	Replaced Pump Packing
05-11-80	Radiation Monitor R-11	2N21602	Compressor Not Working Properly	Replaced Compressor
05-14-80	CVCS Seal Injection Piping	2N21610	Plidco Clamp Leaking	Injected Plidco Compound into Clamp
05-23-80	Valve PCV 1214	2N21336	Diaphragm Air Leak	Tightened Housing Bolts
05-29-80	No. 22 Diesel Generator	2C21594	Governor Requires Inspection	Replaced Governor
05-31-80	No. 22 Charging Pump	2N21628	Packing Leak	Repacked Pump

Indian Point Station

Docket No. 50-247

Unit No. 2Instrumentation and Control Repair

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
05-01-80	Valve PCV 1143	2C21384	Not Operating On Low Pressure	Replaced Micro Switch
05-05-80	No. 22 Auxiliary Feedwater Pump	2C21539	Speed Indicator Reads Low	Adjusted Indicator

Indian Point Station

Docket No. 50-247