

Stephen B. Bram  
Vice President

Consolidated Edison Company of New York, Inc.  
Indian Point Station  
Broadway & Bleakley Avenue  
Buchanan, NY 10511  
Telephone (914) 737-8116

October 15, 1991

Re: Indian Point Station  
Docket No. 50-247

Director, Office of Resource Management  
US 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 September, 1991.

Very truly yours,



Enclosure

cc: Document Control Desk  
US Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

Mr. Thomas T. Martin  
Regional Administrator - Region I  
US Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Senior Resident Inspector  
US Nuclear Regulatory Commission  
PO Box 38  
Buchanan, NY 10511

9110240007 910930  
PDR ADOCK 05000397  
R PDR

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## SUMMARY OF OPERATING EXPERIENCE

### September 1991

The unit was operated at 100% reactor power for the month of September, except for the following power reductions.

At 1110 hours on September 6, circulating water pump no. 25 was taken out of service and reactor power reduced to approximately 96% due to a tube leak in no. 25 waterbox. Circulating water pump no. 25 was returned to service by 0430 hours on September 7. A power ascension was initiated and 100% reactor power was achieved by 0630 hours on the same day.

At 1812 hours on September 13, circulating was pump no. 23 was taken out of service and reactor power reduced to approximately 95% due to a tube leak in no. 23 waterbox. Circulating water pump no. 23 was returned to service by 2328 hours on September 13. A power ascension was initiated and 100% reactor power was achieved by 0030 hours on September 14.

At 1450 hours on September 14, isophase bus duct fan nos. 21 and 22 were found inoperable. Reactor power was reduced to 82% while repairs were initiated. Fan no. 21 was returned to service by 1557 hours on that same day and reactor power returned to 100% by 1800 hours.

The periodic turbine stop valve test was initiated at 2052 hours on September 19. Reactor power was reduced to 94% during the conduct of the test and returned to 100% by 0000 hours on September 20.

At 2148 hours on September 20, a moisture carry-over test was initiated to establish current main steam moisture levels. Reactor power was reduced to 92% during the conduct of the test. This test was completed by 0415 hours on September 21.

At 0837 hours on September 30, reactor power was reduced to 90% during the conduct of maintenance on loop no. 21 reactor protection circuitry. These repairs were completed by 1230 hours and reactor power was returned to 100% by 1500 hours on that same day.

The unit was operated at 100% reactor power for the remainder of the month.

# OPERATING DATA REPORT

DOCKET NO. 50-247  
DATE 10/9/91  
COMPLETED BY J. Spivak  
TELEPHONE (914)526-5104

## OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: September 1991
3. Licensed Thermal Power (MWt): 3071.4
4. Nameplate Rating (Gross MWe): 1310
5. Design Electrical Rating (Net MWe): 986
6. Maximum Dependable Capacity (Gross MWe): 955
7. Maximum Dependable Capacity (Net MWe): 919
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	720	6551	151224
12. Number Of Hours Reactor Was Critical	720	2633.71	102225.75
13. Reactor Reserve Shutdown Hours	0	0	3922.90
14. Hours Generator On-Line	720	2456.04	99442.05
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2 185 420	6784 549	269 873 217
17. Gross Electrical Energy Generated (MWH)	687 418	2-120-252	82 128 698
18. Net Electrical Energy Generated (MWH)	662 690	2 018 145	78 495 139
19. Unit Service Factor	100	37.5	65.8
20. Unit Availability Factor	100	37.5	65.8
21. Unit Capacity Factor (Using MDC Net)	100.2	33.2	60.1
22. Unit Capacity Factor (Using DER Net)	93.3	31.2	58.8
23. Unit Forced Outage Rate	0	6.2	7.4
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:
26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247

UNIT I.P. Unit #2

DATE 10/9/91

COMPLETED BY J. Spivak

TELEPHONE (914)526-5104

MONTH September 1991

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	911
2	921
3	915
4	925
5	925
6	896
7	914
8	924
9	929
10	920
11	924
12	925
13	904
14	907
15	925
16	920

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	924
18	923
19	918
20	925
21	884
22	925
23	929
24	928
25	933
26	924
27	932
28	932
29	933
30	919
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 September 1991

DOCKET NO. 50-247  
 UNIT NAME I.P. Unit #2  
 DATE 10/9/91  
 COMPLETED BY J. Spivak  
 TELEPHONE (914)526-5104

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

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram.  
 3-Automatic Scram.  
 4-Other (Explain)

<sup>4</sup>  
 Exhibit G - Instructions  
 for Preparation of Data  
 Entry Sheets for Licensee  
 Event Report (LER) File (NUREG-  
 0161)

<sup>5</sup>  
 Exhibit I - Same Source

(9/77)

MAJOR SAFETY-RELATED CORRECTIVE MAINTENANCE

<u>MWO</u>	<u>System</u>	<u>Component</u>	<u>Date</u>	<u>Work Performed</u>
55643	HVAC	24CRF	8/13/91	Repaired leak in motor cooler
55736	SFPC	21SFPP	9/12/91	Rebuilt pump and installed new seal