

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

March 15, 1992

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 February, 1992.

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

9203230312 920229  
PDR ADOCK 05000247  
R PDR

TK2A  
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## SUMMARY OF OPERATING EXPERIENCE

### FEBRUARY 1992

The unit operated at full power for the month of February except for the following power reductions.

The unit operated at 30% reactor power at the beginning of the month, after return to service following corrective maintenance on a drain line on the high pressure (HP) turbine inlet.

At 1045 hours on February 1, the unit was removed from service for additional maintenance to the HP turbine drain line; the reactor remained critical. The unit was returned to service by 2337 hours on February 1. Reactor power was increased to 30% by 0103 hours on February 2, and held there for secondary chemistry stabilization. The chemistry hold was cleared by 0325 hours on February 2, and power ascension was initiated; 100% power was achieved by 1400 hours on February 2.

On February 20 at 2204 hours, a unit shutdown was initiated to perform corrective maintenance on the 22 steam generator blowdown line. The unit was removed from service at 0519 hours on February 21; the reactor remained critical. The unit was returned to service by 0530 on February 22. Reactor power of 30% was achieved by 0900 hours on February 22 and was held there for secondary chemistry stabilization. The chemistry hold was cleared by 1135 hours and power ascension initiated; 100% power was achieved by 1700 hours on February 22.

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

**OPERATING DATA REPORT**

DOCKET NO. 50-247  
 DATE 3/9/92  
 COMPLETED BY J. Keller  
 TELEPHONE (914)526-5155

**OPERATING STATUS**

- 1. Unit Name: Indian Point Unit # 2
- 2. Reporting Period: February 1992
- 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): 975
- 7. Maximum Dependable Capacity (Net MWe): 939

Notes

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

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9. Power Level To Which Restricted, If Any (Net MWe):

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10. Reasons For Restrictions, If Any:

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|   | This Month       | Yr.-to-Date      | Cumulative         |
|---|------------------|------------------|--------------------|
| 11. Hours In Reporting Period               | <u>696</u>       | <u>1440</u>      | <u>154873</u>      |
| 12. Number Of Hours Reactor Was Critical    | <u>696</u>       | <u>1386.32</u>   | <u>105705.07</u>   |
| 13. Reactor Reserve Shutdown Hours          | <u>0</u>         | <u>0</u>         | <u>4038.9</u>      |
| 14. Hours Generator On-Line                 | <u>658.95</u>    | <u>1319.45</u>   | <u>102802.43</u>   |
| 15. Unit Reserve Shutdown Hours             | <u>0</u>         | <u>0</u>         | <u>0</u>           |
| 16. Gross Thermal Energy Generated (MWH)    | <u>1 981 963</u> | <u>3 965 121</u> | <u>279 913 153</u> |
| 17. Gross Electrical Energy Generated (MWH) | <u>630 949</u>   | <u>1 261 165</u> | <u>85 309 364</u>  |
| 18. Net Electrical Energy Generated (MWH)   | <u>608 744</u>   | <u>1 214 964</u> | <u>81 556 272</u>  |
| 19. Unit Service Factor                     | <u>94.7</u>      | <u>91.6</u>      | <u>66.4</u>        |
| 20. Unit Availability Factor                | <u>94.7</u>      | <u>91.6</u>      | <u>66.4</u>        |
| 21. Unit Capacity Factor (Using MDC Net)    | <u>93.1</u>      | <u>89.9</u>      | <u>60.9</u>        |
| 22. Unit Capacity Factor (Using DER Net)    | <u>88.7</u>      | <u>85.6</u>      | <u>59.5</u>        |
| 23. Unit Forced Outage Rate                 | <u>5.3</u>       | <u>8.4</u>       | <u>7.4</u>         |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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25. If Shut Down At End Of Report Period, Estimated Date of Startup:

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26. Units In Test Status (Prior to Commercial Operation):

|                      | Forecast   | Achieved   |
|----------------------|------------|------------|
| INITIAL CRITICALITY  | <u>N/A</u> | <u>N/A</u> |
| INITIAL ELECTRICITY  | <u>N/A</u> | <u>N/A</u> |
| COMMERCIAL OPERATION | <u>N/A</u> | <u>N/A</u> |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247

UNIT I.P. Unit # 2

DATE 3/9/92

COMPLETED BY J. Keller

TELEPHONE (914)526-5155

MONTH February 1992

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 56                                     |
| 2   | 777                                    |
| 3   | 955                                    |
| 4   | 964                                    |
| 5   | 964                                    |
| 6   | 967                                    |
| 7   | 961                                    |
| 8   | 958                                    |
| 9   | 961                                    |
| 10  | 961                                    |
| 11  | 961                                    |
| 12  | 961                                    |
| 13  | 961                                    |
| 14  | 962                                    |
| 15  | 959                                    |
| 16  | 961                                    |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 964                                    |
| 18  | 964                                    |
| 19  | 964                                    |
| 20  | 953                                    |
| 21  | 50                                     |
| 22  | 458                                    |
| 23  | 960                                    |
| 24  | 962                                    |
| 25  | 959                                    |
| 26  | 960                                    |
| 27  | 960                                    |
| 28  | 960                                    |
| 29  | 962                                    |
| 30  | --                                     |
| 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

DOCKET NO. 50-247  
 UNIT NAME I.P. Unit # 2  
 DATE 3/9/92  
 COMPLETED BY J. Keller  
 TELEPHONE (914)526-5155

REPORT MONTH February 1992

| 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      |
|-----|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| N/A | 920131 | F                 | 0                | H                   | 4  |                         | HH                       | HTEXCH<br>D                 | Cont. of 30% Chemistry Hold                          |
| N/A | 920201 | F                 | 0                | A                   | 4  |                         | HJ                       | PIPEXX<br>A                 | Turbine Drain Line Leak                              |
| 3   | 920201 | F                 | 12.87            | A                   | 1  |                         | HJ                       | PIPEXX<br>A                 | Turbine Drain Line Leak                              |
| 4   | 920221 | F                 | 17.48            | A                   | 4  |                         | HI                       | PIPEXX<br>A                 | #22 S.G. Blowdown Line Leak<br>Rx. Remained Critical |
| 5   | 920221 | F                 | 6.70             | H                   | 4  |                         | EA                       | CKTBRK<br>A                 | Breaker 7 & 9 Problems<br>Rx. Remained Critical      |

<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

MAJOR SAFETY-RELATED CORRECTIVE MAINTENANCE

| <u>MWO</u> | <u>System</u> | <u>Component</u> | <u>Date</u> | <u>Work Performed</u>                                     |
|------------|---------------|------------------|-------------|---|
| 58835      | RCS           | PT-443           | 02/17/92    | Repaired transmitter.                                     |
| 58900      | SGBD          | MS-68-B          | 02/22/92    | Replaced elbow on drain line downstream of valve MS-68-B. |
| 58914      | TURB          | LLV2             | 02/21/92    | Recalibrated pressure switch.                             |