

Summary of Operating Experience

January 1989

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

A power reduction to 30% was initiated at 1035 hours on 1/5 due to high steam generator chlorides. Condenser inspection and testing identified two leaking tubes in #21 waterbox. After repairs were completed, power ascension was initiated at 1615 on 1/5. At 39% power, two more tube leaks were discovered and repaired in #21 waterbox. After repairs were completed, power ascension was initiated at approximately 0100 hours on 1/6. Unit achieved 100% power at 0800 hours on 1/6.

A power reduction to 50% was initiated at 0915 hours on 1/21 due to high steam generator chlorides. Condenser inspection and testing identified two leaking tubes in #21 waterbox and three in #22. After repairs were completed, power ascension was initiated and Unit achieved 100% power at 1600 hours on 1/22.

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

8902280530 890215
PDR ADDCK 05000247
R PDR

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 2-9-89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

OPERATING STATUS

1. Unit Name: Indian Point Unit #2
2. Reporting Period: January 1989
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:

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 | 744 | 744 | 127897 |
| 12. Number Of Hours Reactor Was Critical | 744 | 744 | 88855.00 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 3910.01 |
| 14. Hours Generator On-Line | 744 | 744 | 86390.82 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1990219 | 1990219 | 234010312 |
| 17. Gross Electrical Energy Generated (MWH) | 650106 | 650106 | 70580693 |
| 18. Net Electrical Energy Generated (MWH) | 627800 | 627800 | 67428701 |
| 19. Unit Service Factor | 100 | 100 | 67.5 |
| 20. Unit Availability Factor | 100 | 100 | 67.5 |
| 21. Unit Capacity Factor (Using MDC Net) | 97.7 | 97.7 | 61.4 |
| 22. Unit Capacity Factor (Using DER Net) | 96.7 | 96.7 | 60.4 |
| 23. Unit Forced Outage Rate | 0 | 0 | 8.1 |

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 Refueling/Maintenance Outage, March 15, 1989 approximately 72 days.

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

| | 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> |

IE24
(9/77) 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
 UNIT IP Unit #2
 DATE 2-9-89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

MONTH January 1989

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 1 | 879 |
| 2 | 880 |
| 3 | 870 |
| 4 | 874 |
| 5 | 488 |
| 6 | 768 |
| 7 | 873 |
| 8 | 873 |
| 9 | 871 |
| 10 | 871 |
| 11 | 869 |
| 12 | 871 |
| 13 | 875 |
| 14 | 872 |
| 15 | 870 |
| 16 | 869 |

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|
| 17 | 872 |
| 18 | 874 |
| 19 | 874 |
| 20 | 873 |
| 21 | 618 |
| 22 | 698 |
| 23 | 874 |
| 24 | 874 |
| 25 | 877 |
| 26 | 880 |
| 27 | 872 |
| 28 | 871 |
| 29 | 875 |
| 30 | 876 |
| 31 | 878 |

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 IP Unit #2
 DATE 2-9-89
 COMPLETED BY K. Krieger
 TELEPHONE (914) 526-5155

REPORT MONTH January 1989

| No. | Date | Type ¹ | Duration (Hours) | Reason ² | Method of Shutting Down Reactor ³ | Licensee Event Report # ⁴ | System Code ⁴ | Component Code ⁵ | Cause & Corrective Action to Prevent Recurrence |
|-----|--------|-------------------|------------------|---------------------|--|--------------------------------------|--------------------------|-----------------------------|--|
| N/A | 890105 | F | 0 | A | 4 | NA | HC | HTEXCH D | High Chlorides caused by Tube leaks in 21 Water Box. |
| N/A | 890121 | F | 0 | A | 4 | NA | HC | HTEXCH D | High Chlorides caused by Tube leaks in 22 Water Box. |

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 (LER) File (NUREG-0161)

⁵
 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> |
|------------|---------------|------------------|-------------|------------------------------|
| 33542 | FP | FIRE DETECTOR | 12/29/88 | REPLACED DETECTOR |
| 42433 | ELEC | VOLT/HZ CIRCUIT | 01/25/89 | MODIFY PROTECTION CIRCUIT |
| 42157 | HVAC | 21 CCRBF | 01/23/89 | REPLACED MOTOR |

Attachment A

Month of December 1988, Revision