# OPERATING DATA REPORT

DOCKET NO. 50-286
DATE 1-2-79
COMPLETED BY C. Connell
TELEPHONE (914) 739-8200

OPERATING STATUS

1. Unit Name: Indian Point No. 3 Nuclear Power Plant
2. Reporting Period: December 1978
3. Licensed Thermal Power (MWt): 3025
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 965
6. Maximum Dependable Capacity (Gross MWe): 1000
7. Maximum Dependable Capacity (Net MWe): 965
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
None
9. Power Level To Which Restricted, If Any (Net MWe): None
10. Reasons For Restrictions, If Any: N/A

Notes

| | This Month | Yr.-to-Date | Cumulative |
|---|---|---|---|
| 11. Hours In Reporting Period | 744 | 8760 | 20497 |
| 12. Number Of Hours Reactor Was Critical | 577 | 6679.32 | 15660.94 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 562.95 | 6366.97 | 15207.7 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 1,603,787 | 16,976,609 | 40,251,169 |
| 17. Gross Electrical Energy Generated (MWH) | 536,480 | 5,679,131 | 13,387,771 |
| 18. Net Electrical Energy Generated (MWH) | 516,023 | 5,457,431 | 12,848,810 |
| 19. Unit Service Factor | 75.7 | 72.7 | 74.2 |
| 20. Unit Availability Factor | 75.7 | 72.7 | 74.2 |
| 21. Unit Capacity Factor (Using MDC Net) | 71.9 | 64.6 | 65.0 |
| 22. Unit Capacity Factor (Using DER Net) | 71.9 | 64.6 | 65.0 |
| 23. Unit Forced Outage Rate | 24.4 | 6.5 | 5.2 |

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): | Forecast | Achieved |
|---|---|---|
| INITIAL CRITICALITY | | |
| INITIAL ELECTRICITY | N/A | |
| COMMERCIAL OPERATION | | |

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Summary of Operating Experience December 1978

Indian Point Unit 3 was synchronized to the bus for a total of 562.95 hours producing a gross generation of 536,480 mwe for this reporting period.

During the reporting period, the unit experienced a shutdown, load reduction and a trip.

The shutdown occurred on December 7 at 0915. Steam jet air ejector discharge and secondary water samples indicated a steam generator tube leak. Upon verification of activity levels, the operator immediately started a 150 mwe/hr load reduction. The unit was removed from service at 15:22. The problem was isolated to a single leaking tube in No. 33 steam generator. The tube was plugged and the unit returned to service at 20:50 on December 14, 1978. A delay was encountered while bringing the unit up to full power. Main boiler feed pump #32 would not come up to speed due to problems in the control oil system. After the problems were solved the pump was returned to service and load was increased to full power at 03:30 on December 16.

On December 16 at 05:20 #32 main boiler feed pump tripped and load was reduced to 800 mwe. The cause of the boiler feedwater pump trip was attributed to dirt in the governor control system. The dirt was removed and the unit was returned to full load at 11:00 of the same day.

The unit experienced a reactor trip during this period. At 21:08 on December 18, the unit tripped on #33 low steam generator level. The cause of the problem was the loss of #32 boiler feed pump. Subsequent investigation did not reveal any problems with the feed pump. The unit was returned to service at 04:43 on December 19, 1978.

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
UNIT Indian Point No. 3
DATE January 2, 1979
COMPLETED BY C. Connell
TELEPHONE 914-739-8200

MONTH December 1978

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|---|---|---|---|
| 1 | 965 | 17 | 961 |
| 2 | 964 | 18 | 842 |
| 3 | 964 | 19 | 532 |
| 4 | 965 | 20 | 926 |
| 5 | 964 | 21 | 953 |
| 6 | 965 | 22 | 957 |
| 7 | 493 | 23 | 958 |
| 8 | 0 | 24 | 958 |
| 9 | 0 | 25 | 957 |
| 10 | 0 | 26 | 960 |
| 11 | 0 | 27 | 962 |
| 12 | 0 | 28 | 960 |
| 13 | 0 | 29 | 958 |
| 14 | 0 | 30 | 958 |
| 15 | 546 | 31 | 960 |
| 16 | 927 | | |

**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.

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-286
UNIT NAME Indian Point Unit 3
DATE January 2, 1979
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TELEPHONE (914) 739-8200

REPORT MONTH December 1978

| 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 |
|---|---|---|---|---|---|---|---|---|---|
| 20 | 781207 | F | 179.58 | A | 1 | NA | CB | HTEXCH F | Primary to Secondary Leak in #33 Steam Generator. Tube plugged |
| 21 | 781216 | F | 0. | A | 1 | NA | HH | pump XX B | Loss of #32 MBFP/Control Oil Blockage/Cleaned Orifices |
| 22 | 781118 | F | 2.17 | A | 3 | NA | HH | Pump XX B | Loss of #32 MBFP/Control Oil Blockage/Cleaned Orifices |

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 F - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit H - Same Source

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# MONTHLY I & C CATEGORY I REPORT

December 1978
Month

| Date | W.R. # | Equipment | Malfunction | Corrective Action |
|---|---|---|---|---|
| 12/1/78 | I&C-I-00118-38 | #31 S.I. Accum Drain valve | Solenoid burned out | Replaced solenoid |
| 12/19/78 | IC&-I-00035-5 | TCV-130 | Not controlling properly in auto. | Loose positioner on valve, tightened screws |
| 12/26/78 | I&C-I-00234-2 | R-20 Recorder | Recorder does not respond to source check | Replaced recorder pen motor |
| 12/19/78 | I&C-I-000242-3C | #31 Battery charger | Ground | Cleared ground on D.C. distribution system |
| 12/28/78 | I&C-I-00229-2 | Channel III iodine monitor | Failure alarm activates with indicator reading zero | Tightened detector cable connector |
| 12/29/78 | I&C-I-00235-2 | Channel II nuclear power static gain unit | Drifting | Replace unit, performed calibration and check |

MONTHLY MAINTENANCE REPORT

December 1978
Month

| DATE | W.R. # | EQUIPMENT | MALFUNCTION | CORRECTIVE ACTION |
|---|---|---|---|---|
| 12-12 | I-407-3 | #32 Steam Generator | Plug Tube | Removed/Replaced Manways and Diaphragm. |
| 12-12 | I-413-3 | #33 Steam Generator | Plug Leaking Tube | Removed Manways and Diaphragm. Repaired tube leak. Cleaned bolts and tapped bolt holes. Replaced Manways and Diaphragm. |
| 12-12 | I-413-3 | Penetration W | Rerun tubing for #32,33,34 S/G B/D samples | Installed new tubing on #32 Sample System - Rearranged Tubing #33, #34 Sample Systems |