

Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914 739.8200



**New York Power
Authority**

January 4, 1991
IP3-91-003
IP3-91-001W

Docket No. 50-286
License No. DPR-64

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station PI-137
Washington, D.C. 20555

Dear Sir:

Enclosed you will find the monthly operating report relating to Indian Point 3 Nuclear Power Plant for the month of December 1990.

Very truly yours,

Joseph E. Russell
Resident Manager
Indian Point 3 Nuclear Power Plant

JER:SS:JB:sd:MOR.JB

Enclosure

cc: Mr. Thomas T. Martin, Regional Administrator
Region 1
U.S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, Pennsylvania 19406

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

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OPERATING DATA REPORT

Docket No. 50-286
 Date 01-04-91
 Completed By S. Smith
 Telephone 914 736-8340

OPERATING STATUS

Notes

1. Unit Name: Indian Point No. 3 Nuclear Power Plant
 2. Reporting Period: December 1990
 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: _____
 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 | 8,760 | 126,049 |
| 12. Number of Hours Reactor Was Critical | 268.57 | 5,511.21 | 77,521.09 |
| 13. Reactor Reserve Shutdown Hours | 0 | 0 | 0 |
| 14. Hours Generator On-Line | 167.76 | 5,378 | 75,339.75 |
| 15. Unit Reserve Shutdown Hours | 0 | 0 | 0 |
| 16. Gross Thermal Energy Generated (MWH) | 262,236 | 15,745,568 | 213,246,534 |
| 17. Gross Electrical Energy Generated (MWH) | 63,310 | 5,214,550 | 65,662,885 |
| 18. Net Electrical Generated (MWH) | 58,268 | 5,031,769 | 63,103,216 |
| 19. Unit Service Factor | 22.5 | 61.4 | 59.8 |
| 20. Unit Availability Factor | 22.5 | 61.4 | 59.8 |
| 21. Unit Capacity Factor (Using MDC Net) | 8.1 | 59.5 | 53.4* |
| 22. Unit Capacity Factor (Using DER Net) | 8.1 | 59.5 | 51.9 |
| 23. Unit Forced Outage Rate | 12.7 | 1.8 | 16.1 |
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
 * Weighted Average
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
 COMMERCIAL OPERATION

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
 UNIT IP-3
 DATE 01-02-91
 COMPLETED BY S. Smith
 TELEPHONE (914) 736-8340

MONTH DECEMBER 1990

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>26</u>
24	<u>223</u>
25	<u>213</u>
26	<u>167</u>
27	<u>134</u>
28	<u>101</u>
29	<u>396</u>
30	<u>519</u>
31	<u>647</u>

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 DECEMBER 1990

DOCKET NO. 50-286
 UNIT NAME INDIAN POINT NO. 3
 DATE 01-04-91
 COMPLETED BY S. SMITH
 TELEPHONE (914) 736-8340

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
5	900915	S	547.98	C	1	NA	HA	TURBIN	THE UNIT WAS MANUALLY SECURED DURING A CONTROLLED SHUTDOWN FOR THE CYCLE 7/8 REFUELING OUTAGE.
6	901226	S	3.87	B	NA	NA	HA	TURBIN	TURBINE WAS MANUALLY SECURED TO PERFORM SURVEILLANCE TESTS 3PT-V6, <u>TURBINE</u> <u>GENERATOR MECHANICAL</u> <u>TRIP TEST</u> AND 3PT- V21, <u>TURBINE</u> <u>GENERATOR OVERSPEED</u> <u>TRIP TEST</u> .
7	901227	F	24.39	A	1	91-03-00	EB	TRANSF	BUS NO. 312 TRANS- FORMER FAULTED. ALL CIRCULATING WATER PUMPS TRIPPED. UNIT WAS MANUALLY TRIPPED.
8	901231	F	38	A	NA	NA	XX	PUMPXX B	LOAD REDUCTION IN ORDER PERFORM REPAIRS ON NO. 31 HEATER DRAIN PUMP.

1
 F: Forced
 S: Scheduled

2
 Reason:
 A-Equipment
 B-Maintenance or Test
 C-Refueling
 D- Regulatory Restriction

3
 Method
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Other (Explain)

4
 Exhibit - Instructions
 for Preparation of Data
 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

5 Exhibit - Same Source

SUMMARY OF OPERATING EXPERIENCE

DECEMBER 1990

Indian Point Unit No. 3 was synchronized to the bus for a total of 167.76 hours producing a gross generation of 63,310 MWe.

Following the Cycle 7/8 Refueling Outage, the reactor was brought critical on December 20, at 0305 hours. The unit was synchronized to the bus on December 23, at 1959 hours, and proceeded to approximately 250 MWe for a Chemistry hold. On December 26, at 1100 hours, a load decrease was commenced in preparation for Surveillance Test's 3PT-V6, Turbine Generator Mechanical Trip Test, and 3PT-V21, Turbine Generator Overspeed Trip Test. The turbine was manually secured at 1248 hours to perform the tests. After the tests were completed the unit was synchronized to the bus at 1640 hours, and proceeded to approximately 250 MWe for a Chemistry hold.

On December 27, at 1111 hours, Control Room Operators received several category alarms and discovered that No.s 31-36 Circulating Water Pumps had tripped. The reactor and turbine were manually tripped and No. 32 Reactor Coolant Pump tripped on overcurrent. Plant conditions were stabilized. Investigation revealed that Bus No. 312 Transformer had faulted.

On December 28, at 0332 hours, the reactor was brought critical and the unit synchronized to the bus at 1134 hours, and proceeded to approximately 250 MWe for a chemistry hold. At 2015 hours, a load increase to 50% reactor power began, and was achieved at 0345 hours on December 29. A load increase to 80% reactor power then commenced.

On December 31, at 1000 hours, a load decrease commenced to 600 MWe in order to perform repairs on No. 31 Heater Drain Pump. The Unit reached 600 MWe at 1210 hours, and remained at 600 MWe for the remainder of the reporting period.