

# OPERATING DATA REPORT

Docket No. 50-286  
 Date 07-01-88  
 Completed By L. Kelly  
 Telephone 914-736-8340

## OPERATING STATUS

- |  |       |
|--|-------|
| 1. Unit Name: <u>Indian Point No. 3 Nuclear Power Plant</u>  | Notes |
| 2. Reporting Period: <u>June 1988</u>  |       |
| 3. Licensed Thermal Power (MWt): <u>3025</u>   |       |
| 4. Nameplate Rating (Gross MWe): <u>1013</u>   |       |
| 5. Design Electrical Rating (Net MWe): <u>965</u>  |       |
| 6. Maximum Dependable Capacity (Gross MWe): <u>1000</u>  |       |
| 7. Maximum Dependable Capacity (Net MWe): <u>965</u>   |       |
| 8. If Changes Occur in Capacity Ratings (Items Number 3 through 7) Since Last Report.<br>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               | 720        | 4367        | 103,752     |
| 12. Number of Hours Reactor Was Critical    | 670.45     | 3827.5      | 63,172.80   |
| 13. Reactor Reserve Shutdown Hours          | 0          | 0           | 0           |
| 14. Hours Generator On-Line                 | 636.48     | 3769.6      | 61,231.11   |
| 15. Unit Reserve Shutdown Hours             | 0          | 0           | 0           |
| 16. Gross Thermal Energy Generated (MWH)    | 1,814,831  | 11,084,797  | 171,659,390 |
| 17. Gross Electrical Energy Generated (MWH) | 589,050    | 3,649,600   | 51,987,805  |
| 18. Net Electrical Generated (MWH)          | 566,504    | 3,522,266   | 49,913,132  |
| 19. Unit Service Factor                     | 88.4       | 86.3        | 59.0        |
| 20. Unit Availability Factor                | 88.4       | 86.3        | 59.0        |
| 21. Unit Capacity Factor (Using MDC Net)    | 81.5       | 83.6        | 51.7 *      |
| 22. Unit Capacity Factor (Using DER Net)    | 81.5       | 83.6        | 49.9        |
| 23. Unit Forced Outage Rate                 | 11.6       | 4.0         | 17.8        |
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 | _____    | _____    |

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## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-286  
 UNIT NAME Indian Point 3  
 DATE 07/01/88  
 TELEPHONE 914-736-8340

REPORT MONTH JUNE 1988

No.	Date	Type	Duration (Hours)	Reason 2	Method of Shutting 3 Down Reactor	Licensee Event Report #	System Code	Component Code 5	Cause & Corrective Action to Prevent Recurrence
04	880608	F	NA	B	NA	NA	HH	PUMPXX B	Load reduction from full load to approximately 690 MWe to repair a seal on No. 32 Heater Drain Pump.
05	880612	F	83.52	A	3	88-005-00	CC	VALVEX X	A failure in the Main Turbine Control Oil System caused all Main Turbine Control Valves to shut, resulting in a low-low level in No. 32 Steam Generator.

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

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Exhibit H - Same Source

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286  
 UNIT IP-3  
 DATE 07-01-88  
 COMPLETED BY L. Kelly  
 TELEPHONE (914) 736-8340

MONTH June 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>860</u>
2	<u>965</u>
3	<u>947</u>
4	<u>953</u>
5	<u>953</u>
6	<u>952</u>
7	<u>950</u>
8	<u>803</u>
9	<u>651</u>
10	<u>661</u>
11	<u>692</u>
12	<u>338</u>
13	<u>0</u>
14	<u>0</u>
15	<u>20</u>
16	<u>602</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>951</u>
18	<u>952</u>
19	<u>953</u>
20	<u>952</u>
21	<u>947</u>
22	<u>947</u>
23	<u>949</u>
24	<u>945</u>
25	<u>945</u>
26	<u>946</u>
27	<u>945</u>
28	<u>942</u>
29	<u>942</u>
30	<u>942</u>
31	<u>---</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.

## MONTHLY I &amp; C CATEGORY I REPORT

June 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
8356	5/24/88	No. 31 Hydrogen Recombiner Pressure Indicator PI-5A.	Stripped gauge fittings.	Replaced branch tee and cap.
8382	5/27/88	Radiation Monitoring System, 41' Primary Auxiliary Building Monitor, R-67.	Smashed meter glass.	Replaced meter.
8410	6/1/88	31 Hydrogen Recombiner Oxygen Flow Transmitter FI-1A.	Transmitter does not repeat.	Replaced pneumatic relay.
8308	6/6/88	Radiation Monitoring System, Central Control Room Particulate Monitor R-32.	Broken remote meter cover glass.	Replaced meter.
8122	6/9/88	Main Feedwater Regulator Valves FCV-417, 427, 437 and 447.	Controllers do not respond when switched to manual.	Replaced auto/manual switch on controllers.
8397	6/10/88	Nuclear Instrumentation System, Comparator Channel Defeat Switch.	Broken indicator on back of switch.	Replaced switch handle indicator.
8190	5/12/88	Reactor Protection System, Permissive Actuation Relay I/N42P.	Relay chatters excessively.	Replaced relay.
8340	6/12/88	Radiation Monitoring System, Area Radiation Monitor RAM-4023.	Detector has broken signal cable conductor.	Re-soldered cable.
7747	6/14/88	Hydrogen Recombiner Flow Control Valve FCV-1A.	Perforated valve actuator diaphragm.	Replaced diaphragm.
8489	6/16/88	No. 31 Hydrogen Recombiner Combuster Outlet Temperature.	Faulty 200 ohm potentiometer.	Replaced 200 ohm potentiometer.
8625	6/30/88	No. 31 Auxiliary Boiler Feedwater Pump Breaker Cell Switch.	Detective cell switch.	Replaced cell switch.

## MONTHLY MAINTENANCE CATEGORY I REPORT

June 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13807	6/10/88	No. 34 Steam Generator Pressure Transmitter Isolation Valve BFD-60-4.	Body to bonnet leak.	Repaired leak.
13956	6/17/88	No. 32 Component Cooling Water Heat Exchanger.	Tube leak.	Plugged two tubes.
14019	6/17/88	No. 32 Component Cooling Water Heat Exchanger Drain Valve 1857D.	Broken valve stem.	Replaced valve.
14039	6/22/88	No. 33, 35, and 36 Service Water Pumps.	Packing gland leaks.	Adjusted packing.

## SUMMARY OF OPERATING EXPERIENCE

JUNE 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 636.48 hours, producing a gross generation of 589,050 MWe.

On May 29, a load escalation commenced after a scheduled 17 day Maintenance Outage and full power was achieved on June 1, at 1330 hours.

On June 8, at 1045 hours, a load reduction to approximately 690 MWe began in order to repair a seal on No. 32 Heater Drain Pump. On June 11, at 1715 hours, after repairs on No. 32 Heater Drain Pump were completed the pump was returned to service, and a load escalation to full power commenced.

On June 12, at 0851 hours, a unit trip occurred due to a low-low level in No. 32 Steam Generator. Investigation revealed that the dash pot piston on the main turbine smoothing orifice relief device had excessive clearance, a result of normal wear. The excessive clearance reduced its dampening function, causing increased play in the assembly. Excess movement caused the leaf spring to fatigue and fail. The associated cup valve then drifted off its seat allowing all control oil pressure to be relieved. This caused all main turbine control valves to close, resulting in the unit trip.

On June 14, at 0505 hours, after the main turbine smoothing orifice assembly was repaired and tested satisfactorily, the reactor was brought critical. At 1145 hours, the reactor was manually secured, when it was decided that plant start-up would be delayed. The delay was necessary in order to correct secondary side plant chemistry concerns.

On June 15, at 1704 hours, the reactor was brought critical and the unit was synchronized to the bus at 2022 hours and a load escalation commenced.

On June 16, at 1900 hours, the unit achieved full power, and remained on line for the remainder of the reporting period.

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



June 6, 1988  
IP3-88-042  
IP3-88-134H

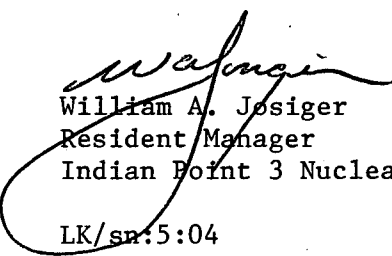
Docket No. 50-286  
License No. DPR-64

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
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 June, 1988.

Very truly yours,

  
William A. Josiger  
Resident Manager  
Indian Point 3 Nuclear Power Plant

LK/sn:5:04  
Enclosure

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

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