

OPERATING DATA REPORT

Docket No. 50-286
 Date 05-01-88
 Completed By L. Kelly
 Telephone 914-736-8340

OPERATING STATUS

<p>1. Unit Name: <u>Indian Point No. 3 Nuclear Power Plant</u></p> <p>2. Reporting Period: <u>April 1988</u></p> <p>3. Licensed Thermal Power (MWt): <u>3025</u></p> <p>4. Nameplate Rating (Gross MWe): <u>1013</u></p> <p>5. Design Electrical Rating (Net MWe): <u>965</u></p> <p>6. Maximum Dependable Capacity (Gross MWe): <u>1000</u></p> <p>7. Maximum Dependable Capacity (Net MWe): <u>965</u></p>	<p>Notes</p>
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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	719	2903	102,288
12. Number of Hours Reactor Was Critical	684.7	2842.7	62,188
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	678	2830.5	60,292
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,007,147	8,486,778	169,061,371
17. Gross Electrical Energy Generated (MWH)	662,750	2,805,570	51,143,775
18. Net Electrical Generated (MWH)	640,168	2,710,657	49,101,523
19. Unit Service Factor	94.3	97.5	58.9
20. Unit Availability Factor	94.3	97.5	58.9
21. Unit Capacity Factor (Using MDC Net)	92.1	96.8	51.5 *
22. Unit Capacity Factor (Using DER Net)	92.1	96.8	49.7
23. Unit Forced Outage Rate	5.7	2.5	17.9

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): * Weighted Average Eighteen Day Maintenance Outage Scheduled for May, 1988

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

<p>26. Units In Test Status (Prior to Commercial Operation):</p> <p> INITIAL CRITICALITY</p> <p> INITIAL ELECTRICITY</p> <p> COMMERCIAL OPERATION</p>	<p>Forecast</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Achieved</p> <p>_____</p> <p>_____</p> <p>_____</p>
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8805190120 880430
 PDR ADOCK 05000286
 R DCD

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
UNIT IP-3
DATE 05-01-88
COMPLETED BY L. Kelly
TELEPHONE (914) 736-8340

MONTH April 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>57</u>
3	<u>577</u>
4	<u>963</u>
5	<u>966</u>
6	<u>944</u>
7	<u>948</u>
8	<u>962</u>
9	<u>967</u>
10	<u>971</u>
11	<u>969</u>
12	<u>969</u>
13	<u>970</u>
14	<u>966</u>
15	<u>965</u>
16	<u>970</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>969</u>
18	<u>966</u>
19	<u>966</u>
20	<u>963</u>
21	<u>963</u>
22	<u>967</u>
23	<u>970</u>
24	<u>969</u>
25	<u>967</u>
26	<u>965</u>
27	<u>966</u>
28	<u>968</u>
29	<u>968</u>
30	<u>969</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.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-286
 UNIT NAME Indian Point 3
 DATE 05/01/88
 TELEPHONE 914-736-8340

REPORT MONTH April 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
02	880331	F	41	A	3	88-002-00	HH	PUMPXX H	Unit trip on high level in No. 31 Steam Generator due to the Steam Generator level transients which followed an inadvertant automatic trip of No. 32 Main Boiler Feed Pump.

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)

5
 Exhibit H - Same Source

MONTHLY MAINTENANCE CATEGORY I REPORT

April 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13139	4/2/88	#33 Auxiliary Feedwater Pump Flow Controllers FC-1136S and FC-1136AS.	Flow controllers improperly sealed.	Encapsulated flow controllers.
13198	4/7/88	Service Water System, #35 and #36 Zurn Strainers.	Broken sealtite to #35 and #36 Zurn motors.	Replaced sealtite.
13201	4/8/88	Service Water System, #35 Zurn Strainer Motor Gearbox.	Motor gearbox broken.	Replaced motor gearbox.
13236	4/13/88	#32 Auxiliary Component Cooling Water Pump.	Broken seal water line to pump.	Replaced tubing.
12642	4/14/88	Chemical and Volume Control System, Spent Resin Tank Discharge Valve-1684.	Instrument air pressure regulator to valve 1684 leaks out.	Replaced instrument air pressure regulator.
13260	4/14/88	Service Water System, #36 Zurn Strainer.	Cover O-ring leaks by.	Replaced O-ring.
13237	4/18/88	#31 Charging Pump.	Cylinder packing leaks.	Repacked pump.
13310	4/19/88	#33 Emergency Diesel Generator.	Damaged jacket water connection on cylinder 3L.	Replaced jacket water connection.

MONTHLY I & C CATEGORY I REPORT

April 1988
MONTH

WR#	DATE	EQUIPMENT	MAFUNCTION	CORRECTIVE ACTION
8072	3/30/88	Boric Acid Heat Trace, Circuit #6.	Corrosion on both relay and light switch screw heads.	Replaced screws.
8175	4/1/88	#33 Auxiliary Feedwater Pump Recirculation Valve FCV-1123.	Valve does not respond properly.	Calibrated flow controller FC-1136S and adjusted switch to proper setpoint.
8174	4/7/88	Radiation Monitoring System, Component Cooling Liquid Monitor R-17A.	Broken face plate meter.	Replaced face plate meter.
8136	4/8/88	Main Feedwater System, Leading Edge Flow Meter Computer.	Broken computer cable. (JL1KL9)	Replaced cable.
8180	4/8/88	Radiation Monitoring System, Iodine Monitor R-42.	Analyzer window can not be adjusted.	Replaced analyzer PC Board.
8200	4/8/88	Radiation Monitoring System, Containment Area Monitor R-25.	Database dumps intermittently due to bad power supply.	Replaced power supply.
5138	4/8/88	#31 and #32 Waste Gas Compressor Control Valves PCV-528 and PCV-1659.	Controller range (psi) too large for system.	Replaced controllers.
8043	4/13/88	Radiation Monitoring System, 77' Elevation Fan House Radiation Monitor R-70. Monitor R-70.	Input - Output Board inoperative.	Replaced input to output board.

MONTHLY I & C CATEGORY I REPORT

April 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
6008	4/15/88	Rod Position Indicator, Pulse to Analog Converter TSR7185-A1.	Faulty indicating tube.	Replaced indicating tube.,
8193	4/19/88	Radiation Monitoring System, Fan Cooler Unit Return Monitor R-16.	No response from drawer panel meter.	Replaced drawer panel meter.
8194	4/21/88	Radiation Monitoring System, Plant Vent Air Particulate Monitor R-13.	Paper drive motor inoperative.	Replaced paper drive motor & tightened loose connections at terminal board TB-501.

SUMMARY OF OPERATING EXPERIENCE

APRIL 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 679 hours, producing a gross generation of 662,750 MWe.

On March 31, at 1412 hours, a unit trip occurred on a high level in No. 31 Steam Generator due to steam generator level transients which followed an inadvertent automatic trip of No. 32 Main Boiler Feed Pump (MBFP).

It was determined, subsequent to the trip, that a pressure transient had occurred between No. 32 MBFP's Recirculation Valve (FCV-116) and No. 32 MBFP's Recirculation Manual Isolation Valve (BFR-1-2). This transient caused No. 32 MBFP Discharge Valve (BFD-2-32) limit switch to momentarily close its contacts associated with the "discharge valve not fully open" MBFP trip signal. The momentary cycling of the unit limit switch resulted in the automatic tripping of No. 32 MBFP.

Before returning the unit to service, the MBFP Discharge Valve limit switch was adjusted and tested to ensure that it would not inadvertently generate a trip signal. Other maintenance items including turbine balance moves, minor leak repairs, flow controller sealing, and pump repacking were satisfactorily completed and tested during the shutdown. On April 2, 1988 at 1017 hours, the reactor was brought critical. The unit was synchronized to the bus at 1700 hours.

The unit achieved 100% reactor power on April 4, at 0230 hours, and remained on the 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



**New York Power
Authority**

May 3, 1988
IP3-88-031
IP3-88-093H


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 April, 1988.

Very truly yours,


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

LK/sn:5:02
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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11