

OPERATING DATA REPORT

Docket No. 50-286  
 Date 03-01-88  
 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>February 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> | Notes |  |
|---|-------|--|
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	696	1440	100,825
12. Number of Hours Reactor Was Critical	679.8	1423.8	60,769.4
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	674.3	1418.3	58,879.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,010,091	4,260,333	158,355,295
17. Gross Electrical Energy Generated (MWH)	662,950	1,408,000	49,746,205
18. Net Electrical Generated (MWH)	640,311	1,360,329	47,751,195
19. Unit Service Factor	96.9	98.5	58.4
20. Unit Availability Factor	96.9	98.5	58.4
21. Unit Capacity Factor (Using MDC Net)	95.3	97.9	50.9 *
22. Unit Capacity Factor (Using DER Net)	95.3	97.9	49.1
23. Unit Forced Outage Rate	3.1	1.5	18.2

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

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	_____	_____

8803170201 880229  
 PDR ADOCK 05000286  
 R. DCD

IE 24  
 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286  
 UNIT IP-3  
 DATE 03-01-88  
 COMPLETED BY L. Kelly  
 TELEPHONE (914) 736-8340

MONTH February 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	967	17	968
2	860	18	961
3	30	19	965
4	685	20	964
5	967	21	964
6	965	22	965
7	966	23	968
8	966	24	966
9	968	25	966
10	966	26	964
11	965	27	964
12	965	28	966
13	966	29	965
14	965	30	---
15	965	31	---
16	965		

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 03-01-88  
 TELEPHONE 914-739-8340

REPORT MONTH FEBRUARY 1988

No.	Date	Type	Duration (Hours)	Reason 2	Method of Shutting Down Reactor 3	Licensee Event Report #	System Code	Component Code 5	Cause & Corrective Action to Prevent Recurrence
01	880202	F	21.70	A	1	88-001-00	CH	PUMPXX B	Loss of No. 31 and No. 32 Main Boiler Feed Pumps due to control oil pressure transient. Unit manually tripped in anticipation of decrease in steam generator level.

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 I &amp; C CATEGORY I REPORT

February 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
7822	1/11/88	Safety Injection System, Accumulator 31, Low Level Alarm.	Low level alarm bistable setpoint drifted.	Reset low level alarm within specification.
7823	1/11/88	Reactor Coolant System, Loop 34, Spray Temperature, TI-451.	Loose wire on terminal block TB-D1.	Retightened wire.
7699	1/11/88	Instrument Air, Closed Cooling System, Surge Tank Level Controller, LC-1130.	Level magnetrol malfunctioning	Replaced spring.
7872	1/11/88	Radiation Monitoring System, Administration Building, Atmospheric Radiation Monitor, RE-101.	Low flow lamp did not illuminate at proper flow rate.	Reset flow switch.
7756	1/14/88	Radiation Monitoring System, Plant Vent Particulate Radiation Monitor, R-13.	Filter slow speed motor seized.	Replaced motor.
7775	1/25/88	Radiation Monitoring System, Sampling Room Radiation Monitor, R-6.	High voltage power supply board failed, and low voltage setting out of specification.	Replaced high voltage power supply board and capacitors associated with the low voltage setpoint.
7873	2/2/88	Radiation Monitoring System, Administration Building, Atmospheric Radiation Monitor, RE-101.	Elapsed time meter was not functioning.	Replaced meter.

## MONTHLY MAINTENANCE CATEGORY I REPORT

February 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
12855	2/5/88	Boric Acid Heat Trace, Primary Circuit 38.	Inoperative.	Replaced conductor wire.
12416	2/8/88	31 Containment Spray Pump, Suction Vent Valve SI-1.	Damaged threads on pipe nipple.	Replaced nipple.
12415	2/8/88	32 Containment Spray Pump, Suction Vent Valve SI-3.	Damaged threads on pipe nipple.	Replaced nipple.
12844	2/11/88	#31 Primary Water Pump.	Noisy pump bearing.	Rebuilt pump.
11642	2/17/88	Service Water System, #36 Zurn Strainer Blowdown Valve PCV-1210.	Valve leaks by.	Replaced valve.
11641	2/17/88	Service Water System, #35 Zurn Strainer Blowdown Valve PCV-1209.	Valve leaks by.	Replaced valve.
12908	2/17/88	#35 Service Water Pump.	Packing leak.	Replaced packing.
12558	2/19/88	#31 Instrument Air Compressor.	Compressor does not unload.	Replaced solenoid valve.
12930	2/19/88	#31 Instrument Air Compressor.	Head gasket leaks by.	Replaced gasket.
12023	2/22/88	Weld Channel Containment Piping Penetration System, Zone 31 Nitrogen Back-up Supply Regulator PCV-1194.	Valve leaks-by.	Rebuilt valve.
12931	2/23/88	#33 Service Water Pump.	Packing leak.	Repacked pump.
12909	2/24/88	#36 Service Water Pump.	Packing leak.	Adjusted packing.
12538	2/25/88	Fuel Storage Building Exhaust Fan.	Fan inoperative.	Rebuilt fan.

## MONTHLY MAINTENANCE CATEGORY I REPORT

February 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
12391	2/29/88	Auxiliary Coolant System, Pressure Indicator 635, Isolation Valve 740A.	Packing leak.	Adjusted packing.

## SUMMARY OF OPERATING EXPERIENCE

FEBRUARY 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 674.3 hours, producing a gross generation of 662,950 MWe.

On February 2, at 2121 hours, a pressure transient in the Control/Auto Stop Oil System resulted in a trip of both No. 31 and No. 32 Main Boiler Feed Pumps (MBFP). In anticipation of a decrease in steam generator levels, plant reactor operators initiated a manual trip of the unit.

Investigation revealed that an overgreased motor bearing caused No. 31 Main A.C. Oil Pump lower motor bearing to seize, resulting in a rapid decrease of control oil pressure. The backup pump, No. 32 Main A.C. Oil Pump, started as required but was ineffective in raising oil pressure quickly enough to avoid the tripping of both MBFPs. A manual unit trip was initiated by plant reactor operators due to the loss of both MBFPs and the anticipated decrease of steam generator levels.

Upon completion of maintenance on No. 31 Main A.C. Oil Pump, and other minor items, the reactor was brought critical on February 3, at 1335 hours, and synchronized to the bus on February 3, at 1903 hours.

The unit achieved 100% reactor power on February 4, at 1805 hours, 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



**New York Power  
Authority**

March 1, 1988  
IP3-88-017  
IP3-88-046H

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 February, 1988.

Very truly yours,

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

LK/sn:4:11  
Enclosure

cc: Mr. William Russell, Regional Administrator  
Region 1  
U.S. Nuclear Regulatory Commission  
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