

OPERATING DATA REPORT

Docket No. 50-286  
 Date 10-01-88  
 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>September 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	<u>720</u>	<u>6,575</u>	<u>105,960</u>
12. Number of Hours Reactor Was Critical	<u>720</u>	<u>6,035.5</u>	<u>65,380.8</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>720</u>	<u>5,977.6</u>	<u>63,439.1</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>2,177,439</u>	<u>17,718,492</u>	<u>178,293,085</u>
17. Gross Electrical Energy Generated (MWH)	<u>700,570</u>	<u>5,769,870</u>	<u>54,108,075</u>
18. Net Electrical Generated (MWH)	<u>674,170</u>	<u>5,561,875</u>	<u>51,952,741</u>
19. Unit Service Factor	<u>100.0</u>	<u>90.9</u>	<u>59.9</u>
20. Unit Availability Factor	<u>100.0</u>	<u>90.9</u>	<u>59.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>97.0</u>	<u>87.7</u>	<u>52.6 *</u>
22. Unit Capacity Factor (Using DER Net)	<u>97.0</u>	<u>87.7</u>	<u>50.8</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>2.5</u>	<u>17.3</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each): \* Weighted Average Cycle 6/7 Refueling Outage scheduled for February 1989 - May 1989

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	_____	_____

8810210514 880930  
 PDR ADOCK 05000286  
 R PDC

IE24 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286  
 UNIT IP-3  
 DATE 10-01-88  
 COMPLETED BY L. Kelly  
 TELEPHONE (914) 736-8340

MONTH September 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	930
2	931
3	931
4	932
5	932
6	933
7	933
8	934
9	934
10	936
11	935
12	936
13	937
14	938
15	939
16	939

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	938
18	941
19	940
20	938
21	940
22	940
23	943
24	938
25	936
26	938
27	937
28	937
29	939
30	936
31	---

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 10-01-88  
 TELEPHONE 914-736-8340

REPORT MONTH SEPTEMBER

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
	NONE								

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**

## SUMMARY OF OPERATING EXPERIENCE

SEPTEMBER 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 720 hours, producing a gross generation of 700,570 MWe. Due to high seasonal river water temperature, the units thermal efficiency has been impacted resulting in electrical output and capacity being less than the design electrical rating and maximum dependable capacity.

## MONTHLY I &amp; C CATEGORY I REPORT

September 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
8470	8/25/88	Radiation Monitoring System, Administration Building Laundry Tank Alarm, R-50.	Remote alarm inoperable.	Replaced buzzer.
9031	9/1/88	Rod Position Indication System, Rod Position Indicators, F2,F10,C3.	Meters binding.	Replaced meters.
7546	9/7/88	Radiation Monitoring System, Rams Building Area Monitor, R-54B.	Monitor failed low.	Reconnected/Resoldered High Voltage Connector.
9071	9/7/88	Electrical System, Bus 6A 480V Degraded Grid Relay, 27-4X-6A.	Defective relay coil J20M.	Replaced relay coil.
9072	9/8/88	Electrical System, Bus 6A 480V Degraded Grid Relay 27-3X-6A.	Relay coil exhibited signs of cracking.	Replaced relay coil.
8171 8476	9/8/88	Radition Monitoring System, Rams Building Monitor, R-54B.	Remote meter and remote alarm not working.	Replaced meter and alarm relay.
8740	9/8/88	Service Water System, #31 & #34 Service Water Pump, Annubar Flow Indicators, FI-A6 & FI-A3.	Annubar indicators inoperative.	Replaced and calibrated flow indicators.
9137	9/26/88	Radiation Monitoring System, Gross Failed Fuel Detector Recorder, RR-63A/B.	Recorder not displaying proper voltages and not cycling between between channels 1 and 2.	Reprogrammed display module.

## MONTHLY I &amp; C CATEGORY I REPORT

MONTH September 1988

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
9140	9/27/88	Post Accident Sampling System, Hydrogen Concentration Monitors Train B.	Analyzer flow meters binding.	Disassembled and cleaned flow meter.
9141	9/27/88	Rod Control System, Rod Insertion Limit, Lo Alarm Annunciator.	Bistable failed low.	Replaced bistable YC-431A.

## MONTHLY MAINTENANCE CATEGORY I REPORT

September 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
8782	8/12/88	Component Cooling Water System, #31 Heat Exchanger Outlet Temperature, TI-602A.	Indicator reading disagrees with actual.	Installed temporary resistance temperature detector.
8784	8/12/88	Component Cooling Water System, #32 Heat Exchanger Outlet Temperature, TI-602B.	Indicator readings disagree with actual.	Installed temporary resistance temperature detector.
14607	9/1/88	Instrument Air System, #32 Instrument Air Compressor, Load/Unload Solenoid Valve.	Solenoid valve operated intermittently.	Replaced solenoid valve.
14168	9/1/88	Safety Injection System, #31 Safety Injection Pump, Bearing Cooler Inlet.	Boron build up on fittings.	Cleaned boron buildup and tightened fittings.
14169	9/1/88	Safety Injection System, #33 Safety Injection Pump, Oil Feeder.	Oil feeder leaks oil.	Tightened oil feeder.
14608	9/2/88	Auxiliary Coolant System, #32 Spent Fuel Cooling Pump.	Shaft seal leaking.	Replaced seals.
13932	9/6/88	Chemical and Volume Control System #31, 32, & 33 Charging Pumps, Seal Tanks.	Various fitting and level indicator leaks.	Tightened fittings.
12175	9/9/88	Chemical and Volume Control System, #31 Charging Pump, Fluid Drive Air Controller.	Damaged air controller tubing.	Removed/replaced damaged tubing.

## MONTHLY MAINTENANCE CATEGORY I REPORT

September 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14639	9/9/88	Chemical and Volume Control System, #31 Charging Pump.	Worn piston packing.	Replaced #31 charging pump pistons.
14355	9/12/88	Auxiliary Coolant System, #31 Spent Fuel Pit Heat Exchanger, Inlet Flow Indicator FI-643.	Instrument line leak.	Clean boron and tightened fittings.
14160	9/16/88	Safety Injection System, #32 Safety Injection Pump Suction Isolation Valve, SI-887B.	Boron build up.	Cleaned build up and adjusted packing.
14679	9/19/88	Heating and Ventilation System, Central Control Room, Air Conditioning Units.	Charge low refrigerant.	Added refrigerant to #31A air conditioning unit.
11698	9/20/88	Waste Disposal System, Reactor Coolant Drain Pumps Discharge Isolation Valve, WD-AOV-1702.	Bent air line tubing from the solenoid operated valve (SOV) to the air operated valve (AOV).	Removed/replaced damaged tubing and fittings.
14653	9/21/88	Radiation Monitoring System, Fuel Storage Building Air Particulate Detector, R-40.	Worn belts.	Replaced belts.
14696	9/23/88	Waste Disposal System, #31 Waste Gas Compressor.	Mechanical seal leaked.	Replaced mechanical seal.
13035	9/24/88	Safety Injection System, Valves 850A, 850B, 850C, 866A, 866B, 1840, 1852A, 1852B, 887A and 887B.	Boron deposits on the various valves.	Cleaned boron deposits, adjusted packing, retorqued operator and bonnet bolts.



## MONTHLY MAINTENANCE CATEGORY I REPORT

September 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14457	9/26/88	Waste Disposal System, #32 Waste Hold Up Tank, Sparging Pump Strainer.	Basket strainer lid leaking.	Cleaned strainer and replaced gasket.
14354	9/29/88	Chemical and Volume Control System, #31 Seal Injection Filter.	Filter cover bolts corroded.	Replace studs and bolts.
14514	9/30/88	Chemical and Volume Control System, #31 Boric Acid Storage Tanks, Level Transmitters LT-106.	Tailpiece galled and stripped.	Replaced valve and fitting.
14778	9/30/88	Chemical and Volume Control System, #32 Boric Acid Storage Tank, Level Transmitter LT-102.	Tailpiece galled and stripped.	Replaced valve and fittings.

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



October 3, 1988  
IP3-88-062  
IP3-88-227H

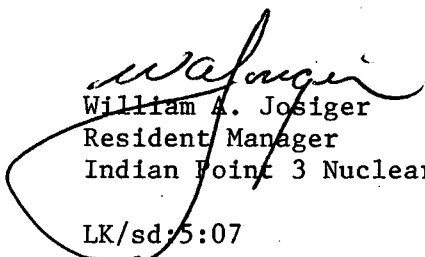
Docket No. 50-286  
License No. DPR-64

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 September, 1988.

Very truly yours,

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

LK/sd:5:07  
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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