

OPERATING DATA REPORT

Docket No. 50-286  
 Date 01-03-89  
 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>December 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	744	8784	108,169
12. Number of Hours Reactor Was Critical	744	7312.59	66,657.92
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	744	7219.47	64,681.02
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	2,250,366	21,378,975	181,953,568
17. Gross Electrical Energy Generated (MWH)	738,020	6,961,220	55,299,425
18. Net Electrical Generated (MWH)	713,563	6,711,902	53,102,768
19. Unit Service Factor	100	82.2	59.8
20. Unit Availability Factor	100	82.2	59.8
21. Unit Capacity Factor (Using MDC Net)	99.4	79.2	52.4 *
22. Unit Capacity Factor (Using DER Net)	99.4	79.2	50.9
23. Unit Forced Outage Rate	0	13.3	18.0

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	_____	_____

8901250491 881231  
 PDR ADOCK 05000286  
 R PDC

IE24  
 1/1

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286  
 UNIT IP-3  
 DATE 01-03-89  
 COMPLETED BY L. Kelly  
 TELEPHONE (914) 736-8340

MONTH December 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	956
2	956
3	956
4	955
5	955
6	955
7	957
8	957
9	958
10	957
11	956
12	954
13	955
14	956
15	955
16	955

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	959
18	958
19	959
20	959
21	964
22	964
23	964
24	966
25	965
26	963
27	961
28	962
29	961
30	963
31	964

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 01/03/89  
 TELEPHONE 914-739-8200

REPORT MONTH DECEMBER 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
	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

DECEMBER 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 744 hours, producing a gross generation of 738,020 MWe.

## MONTHLY I &amp; C CATEGORY I REPORT

December 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
9296	12/1/88	Radiation Monitoring System, Radiation Monitor R-61, Condensate Polisher.	Defective detector cable.	Replaced detector cable and connectors.
9487	12/1/88	Radiation Monitoring System, Radiation Monitor R-37, Auxiliary Steam Condensate Return.	Detector cable loose.	Tighten detector cable.
9118	12/2/88	Plant Computer, Main Feed Water Flow, FO-443A.	Computer address reads high.	Calibrated computer address.
9524	12/6/88	Radiation Monitoring System, Radiation Monitor R-19, Steam Generator Blowdown.	Defective power isolation board.	Replaced power isolation printed circuit board.
9160	12/9/88	Radiation Monitoring System, Radiation Monitor R-16, Fan Cooler Unit Service Water Return.	Test meter reading not in tolerance.	Replaced log pump board and re-calibrated.
9422	12/9/88	Reactor Vessel Level Indication System, Core Exit Thermocouple Cabinet.	Computer interface failed.	Replaced interface cable and data link isolator board.
9509	12/13/88	Emergency Safeguards System, #33 Emergency Diesel Generator.	Left bank #3 cylinder pyrometer reads low.	Recalibrated.
9379	12/14/88	Plant Computer, Qualified Safety Parameter Display System.	Loss of communication from channel A to channel N.	Replaced modem.
9548	12/15/88	Radiation Monitoring System, Radiation Monitor R-13, Plant Vent Particulate.	Defective low voltage power supply.	Replaced low voltage power supply.

## MONTHLY I &amp; C CATEGORY I REPORT

MONTH December 1988

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
9516	12/19/88	Emergency Lighting System, Control Building, 15' East Doorway, EB-3.	High rate lamp illuminated continuously.	Resoldered low voltage power supply and replaced meter.
9586	12/19/88	Radiation Monitoring System, Radiation Monitor R-15, Condenser Air Ejector.	Recorder readings differs from Central Control Room meter readings.	Replaced contact slide wire.
9558	12/20/88	Radiation Monitoring System, Radiation Monitor Recorder R-62C and R-62D, #33 (Channel 2) and #34 (Channel 3) Main Steam Recorder.	Stripped gear assembly.	Replaced stripped gear.
9585	12/22/88	Radiation Monitoring System Radiation Monitor R-14, Plant Ventilation Gas.	Defective amplifier printed circuit board.	Replaced amplifier printed circuit board.
9596	12/22/88	Radiation Monitoring System, Radiation Monitor R-23, Containment Fan Cooler.	Recorder readings differ from Central Control Room meter readings.	Calibrated recorder.
9603	12/23/88	Radiation Monitoring System, Radiation Monitor R-27, Wide Range Plant Vent Monitor.	Channel I inoperative.	Replaced high voltage power supply.
9640	12/29/88	Safety Injection System, Refueling Water Storage Tank Hi-level Alarm.	Loose spring tension on magnetrol return springs.	Adjusted spring tension.
9597	12/30/88	Radiation Monitoring System, Radiation Monitor R-37, Auxiliary Condensate Return.	Spurious alarms.	Tightened alert lamp socket. Adjusted high alert setpoint. Cleaned and adjusted potentiometers wiper arms.
9644	12/30/88	Engineered Safeguards System, Containment Hi-Pressure Spray Alarm, PC-949C.	Random instrument spiking.	Replaced current to current repeater.

## MONTHLY MAINTENANCE CATEGORY I REPORT

December 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15515	11/29/88	Residual Heat Removal System, #32 Residual Heat Removal Pump.	Blank flange missing bolt & nut.	Replaced all bolts and nuts.
13021	12/2/88	Primary Water System (PW), #31 PW Pump Discharge Pressure Gauge Isolation Valve, PIV-34.	Missing handwheel.	Replaced handwheel.
13723	12/9/88	Ventilation System, Fuel Storage Building Exhaust Fan.	Fan assembly exhibits signs of excessive wear.	Rebuilt fan assembly.
14678	12/9/88	Ventilation System, Fuel Storage Building Exhaust Fan Motor.	Motor exhibits high vibration.	Replaced bearings.
15412	12/9/88	Weld Channel Containment Pressurization System, Post Accident Containment Sampling Pressurization Valve, WC-SOV-1007.	No close light indication in the Central Control Room.	Adjusted limit switches.
15668	12/12/88	Engineered Safeguards System, #33 Emergency Diesel Generator, Jacket Water Pressure Gauge (PI-2203) and Fuel Oil Differential Pressure Gauge (DPI-1139).	Jacket water pressure gauge sensing line frozen. Fuel oil differential pressure gauge broken.	Cleaned sensing line. Replaced fuel oil differential pressure gauge.
15675	12/12/88	Service Water System, #33 Emergency Diesel Generator, Lube Oil Cooler Pressure Indicator, (PI-1426).	Service water sensing line frozen.	Cleaned sensing line.
14834	12/13/88	Radiation Monitoring System, Radiation Monitor R-39, Fuel Storage Building Air Particulate.	Blower assembly seized.	Disassembled, rebuilt and reinstalled.

## MONTHLY MAINTENANCE CATEGORY I REPORT

December 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14324	12/15/88	Engineered Safeguard Systems, #32 Emergency Diesel Generator, Starting Air Compressor.	Starting air compressor failed.	Installed rebuilt compressor.
15718	12/15/88	Fuel Storage Building, Elevation 55', Truck Bay Sliding Door.	Loose chain pin.	Welded pin to chain.
15240	12/17/88	Spent Fuel Pit Cooling, #32 Spent Fuel Pit Pump, Vent to Mechanical Seal.	Connection leaks.	Tightened connections.
15676	12/19/88	Primary Water System, Primary Water Storage Tank, Level Transmitter Cabinet.	Cabinet strip heater failed.	Replace ring terminals to the strip heater.
15869	12/21/88	Cranes and Monorails, Fuel Storage Building Crane.	Crane intermittently operates.	Adjusted crane drum brake self- adjuster.
15888	12/24/88	Chemical Volume Control System, #31 Monitor Tank Level Transmitter, LT-181B.	Level transmitter defective.	Installed calibrated level transmitter.
15231	12/27/88	Spent Fuel Pit Cooling, #31 Spent Fuel Pit Pump Suction Isolation Valve, AC-700.	Packing leaks.	Adjusted packing.
15744	12/27/88	Primary Sampling System, Reactor Coolant System Hot Leg Pressure Control Valve, SP-PCV-1300C.	Valve fails to provide adequate pressure control	Replaced valve.
15930	12/29/88	Chemical Volume Control System, #32 Charging Pump.	Cylinder leakage.	Repacked, replaced adapters and plungers, installed cylinder head gasket.



## MONTHLY MAINTENANCE CATEGORY I REPORT

December 1988  
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15492	12/29/88	Main Steam System, Main Steam Trap (MST-18) from Main Steam Isolation Valve, MS-1-34.	Head gasket leaking.	Replace head gasket.
15483	12/30/88	Engineered Safeguard Systems, #33 Emergency Diesel Generator Lube Oil to Strainer Thermometer (TI-1175-3).	Broken thermometer gauge.	Replaced thermometer gauge.
15933	12/30/88	Chemical Volume Control System, #32 Charging Pump Suction Line Drain Valve, 1175C.	Damaged stem and missing handwheel.	Replaced bonnet assembly (bonnet, handwheel, stem).
13931	12/30/88	Chemical Volume Control System, #31 and #33 Charging Pump Temporary Strainer Pressure Indicator Inlet Isolation Valves, CH-1 and CH-3.	Missing handwheels.	Replace handwheels.