

OPERATING DATA REPORT

Docket No. 50-286
 Date 06-01-88
 Completed By L. Kelly
 Telephone 914-736-8340

OPERATING STATUS

- | | | |
|---|-------|--|
| <ol style="list-style-type: none"> 1. Unit Name: <u>Indian Point No. 3 Nuclear Power Plant</u> 2. Reporting Period: <u>May 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> | 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	3647	103,032
12. Number of Hours Reactor Was Critical	314.35	3157.05	62,502.35
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	302.63	3133.13	60,594.63
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	783,188	9,269,966	169,844,559
17. Gross Electrical Energy Generated (MWH)	254,980	3,060,550	51,398,755
18. Net Electrical Generated (MWH)	245,105	2,955,762	49,346,628
19. Unit Service Factor	40.7	85.9	58.8
20. Unit Availability Factor	40.7	85.9	58.8
21. Unit Capacity Factor (Using MDC Net)	34.1	84.0	51.5 *
22. Unit Capacity Factor (Using DER Net)	34.1	84.0	49.6
23. Unit Forced Outage Rate	0	2.3	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	_____	_____

8806220020 880531
 PDR ADOCK 05000286
 R DCD

IE 24/11

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
 UNIT IP-3
 DATE 06-01-88
 COMPLETED BY L. Kelly
 TELEPHONE (914) 736-8340

MONTH May 1988

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	970
2	968
3	971
4	968
5	971
6	966
7	968
8	969
9	969
10	911
11	23
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	63
30	184
31	313

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 06-01-88
 TELEPHONE 914-736-8340

REPORT MONTH MAY 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
03	880511	S	441.37	B	1	NA	HA	TURBIN	Manually secured unit during a controlled shutdown for a scheduled maintenance outage.

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

SUMMARY OF OPERATING EXPERIENCE

MAY 1988

Indian Point Unit No. 3 was synchronized to the bus for a total of 302.63 hours, producing a gross generation of 254,980 MWe.

On May 10, at 1900 hours, a controlled shutdown commenced in preparation for a scheduled maintenance outage.

On May 11, at 0326 hours, the unit was manually secured during the controlled shutdown and the maintenance outage commenced.

After maintenance work was completed, the reactor was brought critical on May 29, at 0322 hours. The unit was synchronized to the bus on May 29, at 1248 hours. The unit remained on line for the remainder of the reporting period and load escalation commenced.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1988
 MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13430	5/3/88	#32 Instrument Air Compressor Load/Unload Solenoid Valve.	Solenoid does not operate correctly.	Replaced solenoid valve.
13431	5/3/88	#31 Instrument Air Compressor Load/Unload Solenoid Valve.	Solenoid does not operate correctly.	Replaced solenoid valve.
13461	5/5/88	#32 Residual Heat Removal Pump Breaker.	Damaged wires on control circuit.	Repaired and respliced wires.
13479	5/9/88	#32 Component Cooling Water Pump.	Flange leak on pump casing.	Replaced gasket.
13484	5/11/88	#32 Component Cooling Water Pump.	Outboard bearing seal leaks.	Installed new seal and new bearing.
9088	5/12/88	#32 Component Cooling Water Pump Suction Strainer High-side Pressure Tap Isolation Valve ACS-125.	Broken valve stem and handle	Replaced valve.
13417	5/12/88	Fuel Storage Building Exhaust Fan.	Inboard motor bearing worn.	Replaced inboard bearing.
8509	5/13/88	Main Feedwater System, 34 Low Flow Stop Valve MOV-90-D.	Packing gland bolt stripped.	Repacked valve and replaced bolt.
11322	5/13/88	#33 Safety Injection Pump Discharge Valve 850B.	Bad fuse.	Replaced fuse.
13574	5/15/88	Safety Injection System, Recirculation Fan Cooling Unit Dousing Valves 880A and 880F.	Cracked rotors.	Replaced rotors.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
12535	5/17/88	#34 Reactor Coolant Pump Pressure Indicator Isolation Valve 253D.	Packing leak.	Repacked valve.
13213	5/17/88	#33 Reactor Coolant Pump Spray Valve 455-B.	Body to bonnet leak.	Replaced body bonnet and cage gaskets.
13000	5/17/88	Chemical and Volume Control System, Blended Make Up to VCT Valve FCV-110B.	Valve leaks by.	Replaced diaphragm.
12999	5/17/88	Chemical and Volume Control System, Dilution Valve to VCT Valve FCV-111B.	Valve leaks by.	Replaced diaphragm and gasket.
12597	5/17/88	Chemical and Volume Control System, Bleander to Refueling Water Storage Tank Valve 295.	Valve galled.	Replaced diaphragm.
12024	5/18/88	Isolation Valve Seal Water Tank, Nitrogen Supply Regulator PCV-1076.	Valve does not regulate correctly.	Replaced valve.
12534	5/18/88	#34 Reactor Coolant Pump Pressure Indicator Isolation Valve 252D.	Packing leak.	Repacked valve.
13209	5/18/88	Chemical and Volume Control System, Regenerative Heat Exchanger Drain Valve CH-112.	Packing leak.	Repacked valve.
13214	5/18/88	#33 Reactor Cooling Pump #1 Seal Bypass Vent Valve 255-C.	Packing leak.	Repacked valve.
13549	5/18/88	#34 Fan Cooler Unit Motor Cooler.	Broken vent piping.	Replaced vent piping.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13551	5/18/88	Chemical and Volume Control System, #32 Reactor Coolant Pump Pressure Transmitter Isolation Valve 253B.	Packing leak.	Repacked valve.
13553	5/18/88	Chemical and Volume Control System, Reactor Coolant Pump Seal Injection Vent Valves CH-254B and CH-254D.	Packing leak.	Repacked valves.
12248	5/18/88	Instrument Air System, AOV-958.	Copper tubing from air pressure regulator damaged.	Replaced damaged section of tubing.
12246	5/19/88	Chemical and Volume Control System, Letdown Valve 201.	Broken sealtite to air solenoid valve.	Replaced sealtite between solenoid valve and terminal box.
12998	5/19/88	Chemical Volume Control System, Blender to Volume Control Tank Outlet Valve 297.	Valve leaks by:	Replaced valve.
13585	5/19/88	Reactor Coolant System, Pressurizer Power Relief Block Valve MOV-535.	Sealtite outer jacket damaged.	Replaced sealtite.
9043	5/20/88	Safety Injection System, Boric Acid Injection Tank Bypass Valves 1833A and 1833B.	Packing leak.	Repacked both 1833A and 1833B.
12130	5/20/88	Chemical and Volume Control System, Reactor Coolant Pump Seal Injection Valve MOV-442.	Packing leak.	Repacked valve.
12429	5/20/88	Chemical and Volume Control System, Reactor Coolant Pump Seal Injection Valve MOV-442.	Packing leak.	Repacked valve.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
12530	5/20/88	#34 Reactor Coolant Pump Seal Injection Line.	Flange leak on seal injection line.	Replaced gasket.
13218	5/20/88	Safety Injection Cold Leg Stop Valves 856 C,H, And J.	Packing leaks.	Repacked valves.
11212	5/21/88	Chemical and Volume Control System, Excess Letdown Valve 213A.	Bad fuse.	Replaced fuse.
12928	5/21/88	#34 Steam Generator Sample Line.	Leak at fitting in pipe penetration.	Replaced fitting.
8705	5/21/88	Reactor Coolant System, Hot Leg Sample Isolation Valve 956E.	Body to bonnet leak.	Replaced gasket and stud nuts.
13685	5/22/88	Emergency Diesel Generator Discharge Service Water Flow Control Valve FCV-1176A.	Upper limit switch sealtite damaged.	Installed new sealtite.
12612	5/23/88	#31 Accumulator Level Transmitter LT-934A.	Upper flange of level column leaks.	Replaced upper and lower gaskets.
12613	5/23/88	#31 Accumulator Level Transmitter LT-935A.	Upper flange of level column leaks.	Replaced upper and lower gaskets.
13539	5/23/88	#31 Steam Generator Auxiliary Feedwater Valve FCV-406A.	Valve leaks by.	Replaced seat, plug, stem, and gaskets.
13688	5/23/88	#33 Accumulator Level Transmitter LT-934C.	Upper flange of level column leaks.	Replaced gasket.
9205	5/24/88	Main Steam, #32 Auxiliary Boiler Feed Pump Drain Valve MS-112.	Valve leaks by.	Replaced valve.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13696	5/24/88	#31 Component Cooling Water Heat Exchanger Lower Cover.	Cover gasket leaks.	Replaced cover gasket.
9744	5/25/88	Service Water System, Air Side Seal Oil Cooler Service Water Discharge Pressure Indicator Isolation Valve SWT-38-1.	Isolation Valve leaks by.	Replaced valve.
13701	5/25/88	Service Water System, Air Pressure Regulator to Service Water Valves SWN-1176 And SWN-1176A.	Regulator leaks by.	Replaced regulator.
13725	5/25/88	Reactor Coolant System, Pressurizer Relief Tank Drain Valve AOV-523.	Solenoid valve inoperative.	Replaced solenoid valve.
13285	5/26/88	Vapor Containment, Containment Pressure Control Valve PCV-1190.	Tubing to valve operator dented.	Replaced bent tubing.
13677	5/26/88	#31 Hydrogen Recombiner, Oxygen Supply Flow Control Valve FCV-1A.	Valve does not fully stroke open and close.	Replaced air diaphragm.
8786	5/26/88	Vapor Containment Pressure Relief Valve PCV-1190.	Brass gear stripped.	Replaced gear.

MONTHLY I & C CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
8272	4/29/88	Radiation Monitoring System, Radiation Monitor R-25, Containment High Range.	Communication link lost with computer in CCR.	Downloaded data base and entered the channel back into service.
8303	5/4/88	Residual Heat Removal System, Pump 32, 480V Breaker.	Breaker blows fuses following preventive maintenance.	Replaced breaker with spare after calibrating amptector and current transformers.
8293	5/10/88	Radiation Monitoring System, Radiation Monitor R-50, Laundry Liquid.	Remote alarm and light not functioning.	Replaced bulb and adjusted horn element set screw.
8311	5/11/88	Safety Injection System, Level Transmitter LT-934A, Accumulator 34.	Found out of tolerance.	Calibrated transmitter.
8314	5/12/88	Safety Injection System, Level Transmitter LT-934C, Accumulator 33.	Found out of tolerance.	Calibrated transmitter.
8304	5/16/88	Radiation Monitoring System, Radiation Monitor R-16, Fan Cooler Unit Service Water.	Erratic readings indicated in CCR.	Replaced detector.
7821	5/16/88	Reactor Protection System, Relay 41M.	Relay had excessive chatter.	Replaced relay.
7731	5/17/88	Reactor Coolant System, Incore Thermocouples, P5 and H9.	Indicate incorrectly.	Replaced connections to T/C H9, cleaned and tightened connection to T/C P5.
8334	5/17/88	Instrument Bus, Static Inverter 32.	Inverter automatically transferred to back-up power supply.	Replaced static switch logic card.
7960	5/17/88	Safety Injection System, Blocking Relay TR2-2.	Relay would not energize.	Replaced relay.

MONTHLY I & C CATEGORY I REPORT

May 1988
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
7663	5/18/88	Chemical and Volume Control System, Seal Injection, Temperature Indicator TI-152.	Indicates abnormally high.	Repaired loose connection to RTD.
8312	5/18/88	Main Steam System, Main Steam Isolation Valve MS-1-34, Control Switch.	Valve did not close when switch was placed in "close" position.	Replaced switch.
8333	5/18/88	Weld Channel and Penetration Pressurization System, PC-1320 And PC-1321S.	Alarmed intermittently in CCR.	Retightened connections.
8347	5/18/88	Containment Building Pressure Recorder, PR-1422.	Recorder does not indicate.	Replaced module and calibrated.
7516	5/20/88	Reactor Coolant System, Incore Thermocouple, E-14.	Cable bend radius not as per design.	Placed bend radius of cable as per design.
7560	5/20/88	Reactor Coolant System, Incore Thermocouple, E-11.	Not indicating correctly, occasionally alarming in CCR.	Replaced connector.
8359	5/24/88	Rod Position Indication System, Rod C-13.	Rod bottom bistable could not be adjusted during testing.	Replaced bistable.
8363	5/24/88	Metal Impact Monitoring System, Micro-processor.	Channel integrity failures occurred during self test.	Adjusted bias voltages.
7653	5/25/88	Plant Computer, QSPDS-B.	Containment ventilation isolation signal was intermittent.	Repaired card edge connector.

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



**New York Power
Authority**

June 1, 1988
IP3-88-038
IP3-88-H

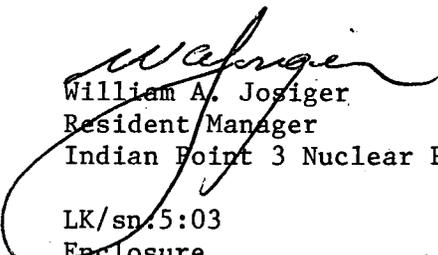
Docket No. 50-286
License No. DPR-64

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 May, 1988.

Very truly yours,


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

LK/sp.5:03
Enclosure

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

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

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