Indian Point 3
Nuclear Power Plant
P.O. Box 215
Buchanan, New York 10511
914.739.8200

NewYorkPower Authority

June 1, 1989
IP3-89-045
IP3-89-126H

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

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station PI-137
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 1989.

Very truly yours,

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

LK/sd:6:07
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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OPERATING DATA REPORT

Docket No. 50-286
Date 06-01-89
Completed By L. Kelly
Telephone 914-736-8340

OPERATING STATUS

1. Unit Name: Indian Point No. 3 Nuclear Power Plant
2. Reporting Period: May 1989
3. Licensed Thermal Power (MWt): 3025
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 965
6. Maximum Dependable Capacity (Gross MWe): 1000
7. Maximum Dependable Capacity (Net MWe): 965

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	3,623	111,792
12.	Number of Hours Reactor Was Critical	0	816.87	67,474.79
13.	Reactor Reserve Shutdown Hours	0	0	0
14.	Hours Generator On-Line	0	816.30	65,497.32
15.	Unit Reserve Shutdown Hours	0	0	0
16.	Gross Thermal Energy Generated (MWH)	0	2,400,711	184,354,279
17.	Gross Electrical Energy Generated (MWH)	0	794,820	56,094,245
18.	Net Electrical Generated (MWH)	0	767,893	53,870,661
19.	Unit Service Factor	0	22.5	58.6
20.	Unit Availability Factor	0	22.5	58.6
21.	Unit Capacity Factor (Using MDC Net)	0	22.0	51.6 *
22.	Unit Capacity Factor (Using DER Net)	0	22.0	49.9
23.	Unit Forced Outage Rate	0	0	17.8

24. Shutdowns Scheduled Over Next 6 Months(Type,Date,and Duration of Each): * Weighted Average
Cycle 6/7 Refueling Outage in progress.

25. If Shut Down At End Of Report Period. Estimated Date of Startup: June 1989

26. Units In Test Status (Prior to Commercial Operation):

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
UNIT IP-3
DATE 06-01-89
COMPLETED BY L. Kelly
TELEPHONE (914) 736-8340

MONTH May 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	0
2	0	18	0
3	0	19	0
4	0	20	0
5	0	21	0
6	0	22	0
7	0	23	0
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	0
16	0		

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 06/01/89
TELEPHONE 914-736-8340

REPORT MONTH MAY 1989

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
1	890204	S	744	C	1	NA	HA	TURBIN	The unit was manually secured, during a controlled shutdown, for the cycle 6/7 refueling 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)

5
Exhibit H - Same Source

SUMMARY OF OPERATING EXPERIENCE

MAY 1989

Indian Point Unit No. 3 was shutdown for the entire reporting period while the cycle 6/7 refueling outage was in progress.

MONTHLY I & C CATEGORY I REPORT

MONTH May 1989

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
8705	5/10/89	Steam Generator, #34 Steam Generator Feedwater Regulator Controller.	Output meter needle misaligned.	Realigned needle.
10445	5/11/89	Radiation Monitoring System, Waste Gas Monitor, R-20.	Detector out of calibration.	Calibrated detector.
10549	5/11/89	Reactor Coolant System, #34 Loop Spray Valve, PCV-455A.	Controller out of calibration.	Calibrated controller.
10576	5/11/89	Electrical System, #32 Static Inverter.	Blown fuse and failed static logic card.	Replaced fuse and card.
10543	5/13/89	Chemical and Volume Control System, #32 Boric Acid Transfer Pump Discharge Pressure Indicator, PI-190B.	Inoperative gauge.	Replaced gauge.
10586	5/17/89	Qualified Safety Parameter Display System, Train B Display Unit Power Supply.	Power supply inoperative.	Replaced power supply.
10588	5/17/89	Radiation Monitoring System, Radiation Monitoring Panel, RM-11.	Inoperative surge suppressor.	Replaced surge suppressor.
10605	5/17/89	Reactor Protection System, Reactor Trip Breaker Open Alarm Annunciator.	Inoperative alarm unit.	Replaced alarm unit.
9315	5/18/89	Qualified Safety Parameter Display System, Train A Display Screen.	Sustainer voltage set too high.	Adjusted voltage.
10564	5/18/89	Emergency Diesel Generator, #31 Diesel Generator Fuel Oil Storage Tank Level Indicator, LI-1133.	Indicator out of adjustment.	Adjusted indicator.

MONTHLY I & C CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10163	3/7/89	Reactor Protection, Pressurizer Level Alarm Bistable, 3LC-459E/F.	Improper bistable output.	Replaced components and repaired defective connections.
10434	4/26/89	Main Steam System, Loop #34 Main Steam Flow Transmitter, FT-449L.	Inoperative transmitter amplifier.	Replaced amplifier.
10450	4/27/89	Feedwater System, #33 Steam Generator Feedwater Regulation Valve, FCV-437.	Incorrectly connected linkage.	Corrected linkage installation.
10485	4/28/89	Emergency Diesel Generator Jacket Water System, #31 Diesel Generator Jacket Water Pressure Switch #4.	Return spring bent and loose.	Straightened and realigned spring. Recalibrated switch.
10316	5/1/89	Radiation Monitoring System, Air Ejector Exhaust Gas Radiation Monitor, R-15.	Broken relay.	Replaced relay.
10466	5/1/89	Emergency Diesel Generator Lube Oil System, #31 Diesel Generator Lube Oil Pressure Gauge, PI-1271.	Missing gauge glass.	Replaced glass, gasket and retainer clip.
10476	5/2/89	Reactor Coolant System, Pressurizer Relief Tank Temperature Indicator, TI-471.	Defective converter.	Replaced converter.
10490	5/2/89	Auxiliary Boiler Feedwater System, #33 Auxiliary Boiler Feedwater Pump Discharge Pressure Indicator, PI-1262.	Stripped pipe fitting.	Replaced fitting.
10338	5/3/89	Main Steam, #34 Steam Generator Atmopsheric Steam Dump Valve, PCV-1137.	Pneumatic booster inoperative.	Replaced booster.

MONTHLY I&C CATEGORY I REPORT

MONTH May 1989

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10502	5/3/89	Hydrogen Recombiner, #31 Hydrogen Recominber Temperature Recording Controller, TRC-1A.	Controller reversing plate improperly set.	Reset and calibrated controller.
10508	5/3/89	Radiation Monitoring System, Main Steam Line Radiation Monitor R-62, Channel 2.	Detector reads low.	Replaced detector and calibrated.
10512	5/3/89	Main Steam System, #32 Steam Generator Atmospheric Steam Dump Controller, PC-429.	Controller powered from wrong outlet.	Relocated power supply.
10510	5/4/89	Boric Acid Heat Trace System, Heating Circuit, CKT-32.	Temperature controller setpoint was to high.	Adjusted setpoint and tested circuit.
10523	5/4/89	Service Water System, #33 Service Water Pump Annubar Flow Meter.	High side vent leaks by.	Replaced meter.
10524	5/4/89	Nuclear Instrumentation System, Power Range Channel 44.	Assembly "B", fine ion current adjust potentiometer damaged.	Replaced potentiometer.
10503	5/5/89	Radiation Monitoring System, 54' Pipe Penetration Area Radiation Monitor, R-69.	Defective low voltage power supply transistor and fuse.	Replaced both components.
10541	5/6/89	Emergency Diesel Generator, #33 Diesel Generator Service Water Temperature Indicator, TI-1308.	Leaking fitting.	Replaced temperature indicator.

MONTHLY I & C CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10606	5/22/89	Hydrogen Recombiner, #31 Hydrogen Recombiner Diluent Temperature Recorder, TR-2A.	Loose zero adjust gear.	Remounted gear.
10591	5/22/89	Emergency Diesel Generator, #33 Diesel Generator Lube Oil Duplex Strainer Differential Pressure Switch, DPS-1423.	Switch out of calibration.	Calibrated switch.
10604	5/22/89	Hydrogen Recombiner, #32 Hydrogen Recombiner.	Voltage to pneumatic converter EP2A out of calibration.	Calibrated converter.
10640	5/24/89	Reactor Coolant System, Loop #32 Temperature Monitor, TM-421B.	Defective voltage to current converter.	Replaced converter.
10647	5/25/89	Electrical System, #31 Recirculation Pump Breaker.	Improperly sized current transformer.	Installed correctly sized current transformer and calibrated amptector.
10648	5/25/89	Radiation Monitoring System, Plant Vent Radiation monitor, R-27.	Improperly installed relay.	Reinstalled relay.
10638	5/26/89	Electrical System, #33 Battery Charger.	Battery charger would not energize.	Replaced various electrical components.
10656	5/27/89	Emergency Diesel Generator #32 Fuel Oil System, Secondary Duplex Filter Switch, DPC-1119S.	Switch not mounted or connected.	Mounted and connected switch.
10667	5/27/89	Hydrogen Recominber, #32 Hydrogen Recombiner Test Run Switch.	Loose knob.	Tightened knob.
10677	5/30/89	Radiation Monitoring System, Steam Generator Blowdown Radiation Monitor, R-19.	Defective low voltage power supply.	Replaced power supply.

MONTHLY I & C CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Various	5/3/89	Weld Channel and Containment Penetration Pressurization, 95' Equipment Hatch Pressure Indicator, PI-1344, 1350, 1347-S and 1348-S.	Out of calibration.	Calibrated gauges.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10778	3/29/89	Instrument Air System, #31 Instrument Air Compressor Aftercooler Drain Trap, IA-T-181, and Separator.	Clogged with rust and dirt.	Cleaned trap and separator.
16818	4/28/89	Safety Injection System, Recirculation Pump Discharge Isolation Valve, 1802B.	Body to bonnet leak.	Replaced gasket, bolting and packing.
16830	4/28/89	Safety Injection System, Recirculation Pump Discharge Isolation Valve, 1802A.	Body to bonnet leak.	Replaced gasket, bolting and packing.
15887	5/3/89	Emergency Diesel Generator, #33 Diesel Generator, Cylinder R-7.	Test cock for cylinder inoperative.	Replaced test cock.
11338	5/4/89	Chemical and Volume Control System, Non-regenerative Heat Exchanger.	Leaking head gasket.	Replaced gasket.
15610	5/5/89	Electrical System, #31 Recirculation Pump 480V Motor Breaker.	Defective pole shaft.	Returned breaker to manufactur for refurbishment.
9723	5/6/89	Emergency Diesel Generator Fuel Oil System, #33 Diesel Generator Day Tank Sample/ Drain Isolation Valve, DF-24-3.	Valve and tubing improperly installed.	Reinstalled valve and tubing.
12009	5/7/89	Primary Sampling System, Pressurizer Steam Space Sample Valve, 951.	Leaked past seat. Worn packing studs and body to bonnet gasket.	Lapped valve. Replaced studs and body to bonnet gasket.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15885	5/8/89	Emergency Diesel Generator Starting Air System, #33 Diesel Generator Starting Air Compressor and Motor.	Excessive oil and debris.	Cleaned compressor and motor.
15354	5/8/89	Electrical System, #31 Component Cooling Pump 480V Motor Breaker.	Defective pole shaft.	Returned breaker to manufacturer for refurbishment.
13603	5/8/89	Safety Injection System, Safety Injection Pump Suction, Line #189.	Leaking flange.	Replaced gasket.
15361	5/10/89	Electrical System, #32 De-Icing Pump 480V Motor Breaker.	Defective pole shaft	Returned breaker to manufacturer for refurbishment.
13944	5/10/89	Emergency Diesel Generator Lube Oil System, #33 Diesel Generator.	Worn hose at cylinder #1R.	Replaced hose.
11654	5/10/89	Service Water System, #33 Emergency Diesel Generator Coolers.	Corroded heat exchanger channel heads.	Replaced heads.
15099	5/11/89	Primary Sampling System, Residual Heat Removal Sample Isolation Valve, 958.	Valve leaks by.	Replaced valve.
15188	5/11/89	Electrical System, Loop #31 Cold Leg High Head Injection Line Stop Valve, MOV-856E.	Electrical pull box not mounted to wall.	Mounted box to wall.
13217	5/11/89	Safety Injection System, #34 Accumulator Discharge Isolation Valve, MOV-894D.	Body to bonnet leak.	Replaced gasket.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
16717	5/12/89	Boiler Feedwater System, #32 Auxiliary Boiler Feedwater Pump.	Leak at stud on casing.	Torqued bolt.
16496	5/15/89	Primary Sampling System, Recirculation Pump Sample Containment Isolation Valve, 994A.	Body to bonnet leak.	Replaced valve.
14450	5/15/89	Instrument Air System, #32 Compressor Aftercooler.	Sight glass and aftercooler dirty.	Cleaned Aftercooler and replaced sightglass.
15286	5/16/89	Auxiliary Feedwater System, #32 Auxiliary Feedwater Pump Speed Trip Transducer.	Improperly installed flexible conduit.	Reinstalled conduit.
14690	5/16/89	Instrument Air System, Refrigerent Dryer Condensate Drain Valve, IA-168.	Leaking valve.	Replaced valve.
16903	5/16/89	Auxiliary Cooling System, #33 Reactor Coolant Pump Auxiliary Coolant Return Flow Indicating Controller, FIC-619.	Leaking fittings.	Cleaned and tightened fittings.
15498	5/16/89	Instrument Air System, #31 Air Receiver Drain Valve, IA-47.	Plugged line upstream of valve.	Replaced line and valve.
11554	5/17/89	Ventilation System, Containment Purge and Exhaust Louver, SOV-1271.	Terminal box missing drain hole.	Installed weep holes.
15368	5/18/89	Chemical and Volume Control System, #32 Charging Pump Relief and Recirculation Line Outlet Isolation Valve, CH-276.	Valve operator detached from stem.	Replaced valve.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
16491	5/19/89	Weld Channel and Containment Penetration Pressurization System, Post Accident Containment Sampling Valve, PS-1004.	Dried and brittle O-ring.	Replaced O-ring.
16839	5/23/89	Chemical and Volume Control System, Letdown Control Valve, CH-200C.	Blown indicating bulb.	Replaced bulb.
11711	5/23/89	Service Water System, Fan Cooler Unit Relief Drain Piping.	Weld leak.	Replaced piping.
15745	5/24/89	Primary Sampling System, Reactor Coolant Sample Heat Exchanger Inlet Isolation Valve, SP-519.	Packing leaks.	Replaced valve.
9361	5/25/89	Instrument Air System, #31 Air Receiver Trap, IA-T-182.	Inoperative trap blowdown mechanism.	Replaced trap.
15416	5/26/89	Steam Generator Blowdown Sample System, #33 Steam Generator Sample Line, Line #366.	Leaking swage fittings.	Replaced fittings and nearby tubing.
15303	5/27/89	Steam Generator Blowdown Sample System, #32 Steam Generator Downstream Blowdown Sample Containment Isolation Valve, PCV-1224A.	Body to bonnet leak.	Replaced body to bonnet gasket.
16791	5/28/89	Service Water System, #32 and #34 Fan Cooler Units.	Rusted bolts on coolers' flanges.	Replaced bolts.
11710	5/29/89	Reactor Coolant System, Pressure Transmitter, PT-403.	Loose conduit fittings.	Tightened fittings.
16130	5/29/89	Ventilation System, #35 Fan Cooler Unit Weir Drain Valve, SOV-1267.	Inoperative valve.	Replaced valve.

MONTHLY MAINTENANCE CATEGORY I REPORT

May 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
16463	5/30/89	Boiler Feedwater System, #31 Steam Generator Bypass Feedwater Regulator Control Valve, SOV-417L1.	Missing washers.	Installed washers.
11526	5/30/89	Various Systems, Fasteners.	Loose or missing fasteners.	Tightened and replaced fasteners as necessary.
12410	5/30/89	Electrical System, #36A MCC Cubicle 4FM Breaker.	Broken insulating barrier.	Replaced barrier.
10819	5/31/89	Weld Channel and Containment Penetration Pressurization, Rack 18 68' Pressure Switch, PC-1150S-224.	Switch did not calibrate.	Replaced switch.
14220	5/31/89	Service Water System, Central Control Room Air Conditioning Units Pressure Control Valve, PCV-1297.	Clogged valve.	Replaced valve.
Various		Various Systems' Motor Operated Valve Operators.	Various problems were identified during testing, including: loose connectors, cracked fingerboards, broken limit switch set rod and etc. on 21 valves.	Repaired or replaced components as required.
Various		Electrical System Breakers.	Various problems were identified during preventive maintenance, including: misaligned spring release device coil, cracked secondary contact block and etc. on 16 breakers.	Repaired and replaced parts as necessary.