

OPERATING DATA REPORT

Docket No. 50-286
 Date 04-01-89
 Completed By L. Kelly
 Telephone 914-736-8340

OPERATING STATUS

1. Unit Name: Indian Point No. 3 Nuclear Power Plant
2. Reporting Period: March 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	<u>744</u>	<u>2,160</u>	<u>110,329</u>
12. Number of Hours Reactor Was Critical	<u>0</u>	<u>816.87</u>	<u>67,474.79</u>
13. Reactor Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
14. Hours Generator On-Line	<u>0</u>	<u>816.30</u>	<u>65,497.32</u>
15. Unit Reserve Shutdown Hours	<u>0</u>	<u>0</u>	<u>0</u>
16. Gross Thermal Energy Generated (MWH)	<u>0</u>	<u>2,400,711</u>	<u>184,354,279</u>
17. Gross Electrical Energy Generated (MWH)	<u>0</u>	<u>794,820</u>	<u>56,094,245</u>
18. Net Electrical Generated (MWH)	<u>0</u>	<u>767,893</u>	<u>53,870,661</u>
19. Unit Service Factor	<u>0</u>	<u>37.8</u>	<u>59.4</u>
20. Unit Availability Factor	<u>0</u>	<u>37.8</u>	<u>59.4</u>
21. Unit Capacity Factor (Using MDC Net)	<u>0</u>	<u>36.8</u>	<u>52.3 *</u>
22. Unit Capacity Factor (Using DER Net)	<u>0</u>	<u>36.8</u>	<u>50.6</u>
23. Unit Forced Outage Rate	<u>0</u>	<u>0</u>	<u>17.8</u>

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: May 1989

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

INITIAL CRITICALITY	Forecast	Achieved
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

8904250403 890331
 PDR ADOCK 05000286
 R PDC

IE24 1/6

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286

UNIT IP-3

DATE 04-01-89

COMPLETED BY L. Kelly

TELEPHONE (914) 736-8340

MONTH March 1989

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
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17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>0</u>
30	<u>0</u>
31	<u>0</u>

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 04/01/89
 TELEPHONE 914-736-8340

REPORT MONTH MARCH 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
I	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

MONTHLY I & C CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
9360	12/1/88	Service Water System, Screenwash Supply Header Pressure Controller, PC-1101S.	Pressure controller was out of calibration.	Calibrated pressure controller.
9549	12/12/88	Emergency Diesel Generator, #33 EDG Jacket Water Pressure Indicator, PI-2253.	Sensing line frozen.	Thawed sensing line.
9922	2/15/89	Auxiliary Coolant System, #33 Reactor Coolant Pump Auxiliary Coolant Flow Return Indicator, FIC-619.	Broken faceplate.	Replaced faceplate.
9921	2/16/89	Main Steam System, #32 Auxiliary Feedwater Pump Steam Supply Pressure Indicator, PI-1126.	Gauge indicates less than zero.	Calibrated gauge.
10046	2/17/89	Electrical System, 6.9KV Bus Under-frequency Relays, 81-1,2,3 and 4.	Need to remove wiring for seal-in contacts.	Disconnected wires.
9065	2/18/89	Safety Injection System, High Steam Flow Trip Relay, FC-429BX.	Contacts chatter during testing.	Cleaned relay contacts.
9920	2/22/89	Service Water System, Fan Cooler Units Service Water Temperature Control Valve, TCV-1103.	Inoperative valve positioner.	Replaced positioner, reversed feedback cam and calibrated positioner. Calibrated gauge.
10132	2/24/89	Instrument Air, Main Dessicant Dryer Flow Indicator, FI-1105.	Gauge does not indicate properly.	Calibrated gauge.

MONTHLY I&C CATEGORY I REPORT

MONTH March 1989

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10057	2/28/89	Weld Channel and Containment Penetration System, Zone #56 Low Pressure Indicating Light.	Lamp does not illuminate.	Replaced bulb and cleaned base.
10135	3/2/89	Emergency Diesel Generator #31, Oil Pressure Switches, OPS-1, 2 and 3.	Switches out of calibration.	Calibrated switches.
10122	3/2/89	Weld Channel and Containment Penetration Pressurization, Zone #2 Pressure Indication, PI-1318.	Gauge does not indicate over 20 psig.	Calibrated gauge.
10134	3/3/89	Emergency Diesel Generator #32, Oil Pressure Switches, OPS-1, 2 and 3.	Switches out of calibration.	Calibrated switches.
10140	3/3/89	Emergency Diesel Generator #32, Jacket Water Pressure Switches 1,2,3,4 and 5.	Switches settings out of tolerance band.	Calibrated switches.
10133	3/4/89	Emergency Diesel Generator #33, Oil Pressure Switches, OPS-1, 2 and 3.	Switches out of calibration.	Calibrated switches.
10137	3/7/89	Radiation Monitoring System, Waste Disposal Process Radiation Monitor, R-20.	Loose cable connector.	Reinstalled cable connector.
10141	3/7/89	Emergency Diesel Generator #33, Jacket Water Pressure Switches 1,2,3 and 4.	Switches settings out of tolerance band.	Calibrated switches.
10039	3/8/89	Emergency Diesel Generator #32, Cylinder Head Pyrometer Selector Switch.	Loose selector switch housing.	Tightened housing.
8590	3/10/89	Reactor Protection, Power Range High Flux Train B Test Switch, 1/NC-41P.	Dirty switch contacts.	Cleaned switch contacts.

MONTHLY I & C CATEGORY I REPORT

MONTH March 1989

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10177	3/13/89	Radiation Monitoring System, 4th Floor Administration Building Particulate Process Radiation Monitor, R-45.	Local and remote meter readings differ.	Mechanically aligned meters.
10178	3/13/89	Radiation Monitoring System, 4th Floor Administration Building Particulate Process Radiation Monitor, R-45.	Meter out of adjustment.	Mechanically zeroed meter.
10000	3/14/89	Condensate System, Condensate Storage Tank Level Transmitters LT-1128 and LT-1128A and Level Switches LS-1454 and LS-1453.	Transmitters and switches out of calibration/expected tolerance.	Calibrated as required.
10152	3/14/89	Boric Acid Heat Trace, Heat Trace Circuit #40.	High resistance on primary circuit.	Connected secondary circuit.
8724	3/15/89	Steam Generator, Steam Generator Water Level Indicator, LI-427C.	Loose wire at test recepticle.	Tightened wire lug.
10189	3/15/89	Radiation Monitoring System, Plant Vent Iodine Process Radiation Monitor, R-28.	Vacuum gauge does not properly zero.	Replaced gauge.
10166	3/15/89	Radiation Monitoring System, Fourth Floor Administration Building Radiation Detector, RE-101.	High alarm relay loose in its socket.	Reinstalled relay.
10205	3/17/89	Weld Channel and Containment Penetration Pressurization, Zone #1 Flow Transmitter, FT-1126-1.	Transmitter out of calibration.	Calibrated flow transmitter.
10206	3/17/89	Weld Channel and Containment Penetration Pressurization, Zone #2 Flow Transmitter, FT-1126-2.	Transmitter out of calibration.	Calibrated flow transmitter.

MONTHLY I & C CATEGORY I REPORT

March 1989 .
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10207	3/17/89	Weld Channel and Containment Penetration Pressurization, Zone #3 Flow Transmitter, FT-1126-3.	Transmitter out of calibration.	Calibrated flow transmitter.
10145	3/17/89	Containment Building, Containment Pressure Transmitter Current to Voltage Converter, IE-1422.	Converter will not calibrate.	Replaced converter.
10040	3/21/89	Emergency Diesel Generator #31, Service Water Supply Temperature Indicator, TI-1306.	No indication below 40°F.	Performed calibration check.
10150	3/22/89	Radiation Monitoring System, Laundry Liquid Waste Process Radiation Monitor, R-50.	Remote buzzer power feed wire is broken.	Repaired wire.
9304	3/22/89	Radiation Monitoring System, Laundry Tank Process Radiation Monitor, R-50.	Remote meter broken.	Replaced meter.
8657	3/23/89	Waste Disposal System, Reactor Coolant Drain Tank Level Instrument, PI-1003.	Level displacer output sporadic.	Flushed displacer.
9961	3/23/89	Boric Acid Heat Trace, Heating Circuit #54 Low Temperature Alarm.	Thermocouple not connected to recorder.	Reconnected thermocouple.
10128	3/24/89	Nitrogen to Nuclear Equipment System, N ₂ Flow Meter for #31 Boric Acid Storage Tank Level Transmitter, LT-102.	Indicating ball stuck offscale.	Removed, cleaned and reinstalled flow meter.

MONTHLY I & C CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10236	3/25/89	Safety Injection System, Refueling Water Storage Tank Level Indicator, LI-920.	Level indication failed low.	Replaced transmitter amplifier board and calibrated transmitter.
10274	3/25/89	Chemical and Volume Control System, #31 Boric Acid Storage Tank Level Transmitter, LT-102.	High side service line has stripped threads on cap.	Replaced cap.
10258	3/27/89	Reactor Protection, Reactor Trip Relay, RT-8B.	Unused terminal is missing a contact bar.	Replace relay.
10238	3/28/89	Radiation Monitoring System, Plant Vent Iodine Process Radiation Monitor, R-28.	Chart recorder response very unreliable.	Cleaned, overhauled and calibrated recorder.
10201	3/29/89	Radiation Monitoring System, Air Ejector Exhaust Gas Process Radiation Monitor, R-15.	Loose and aging wires.	Replaced wires.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15040	2/24/89	Chemical and Volume Control System, Boric Acid Transfer Pump #32 Discharge Pressure Sensing Line.	Line clogged with boron.	Repositioned heat trace and re-installed line, which thawed the boron.
15710	2/27/89	Electrical System, #31 Charging Pump Breaker.	Spring release device coil out of alignment. Incorrectly sized current transformer.	Aligned coil. Replaced current transformer.
16024	2/27/89	Electrical System, Motor Control Center #38, Cubicle 3D.	Improperly sized motor overload heater elements.	Replaced heater elements.
17109	3/1/89	Chemical and Volume Control System, Concentrates Holding Tank Transfer Pump Discharge Line Support CH-R-708-H.	Mounting screw head contacting hydraulic snubber body.	Adjusted head position by inserting flat washers.
15711	3/2/89	Electrical System, #33 Pressurizer Backup Group Heaters Breaker.	Spring release device coil out of alignment. Damaged wire lugs.	Aligned coil. Replaced wire lugs.
13185	3/2/89	Auxiliary Feedwater System, Auxiliary Feedwater Pump #31.	Casing flange leaks.	Replaced gasket.
13604	3/2/89	Safety Injection System, #32 Safety Injection Pump Suction Flange.	Flange leaks.	Replaced flange gasket.
17101	3/2/89	Weld Channel and Containment Penetration Pressurization, Zone #27 Pressure Switch Isolation Valve.	Valve leaks by.	Replaced valve.
16954	3/2/89	Chemical and Volume Control System, Seal Water Heat Exchanger Flow Orifice, FI-605.	Flange leaks.	Replaced gaskets and cleaned surfaces.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
17099	3/2/89	Weld Channel and Containment Penetration Pressurization, Zone #21 Pressure Switch Test Fitting.	Gauled test fitting.	Replaced fitting.
15109	3/3/89	Primary Makeup Water, Level Control Valve, LCV-1159.	Exhaust port elbows missing. Loose sealite fittings.	Installed exhaust port elbow. Tightened fittings.
15741	3/4/89	Electrical System, #36B Motor Control Center Cubicle 1FDR.	Improperly spliced motor wires.	Reterminated motor splices.
13012	3/4/89	Safety Injection System, #31 Safety Injection Pump Suction Flange.	Flange leaks.	Replaced gasket and bolting.
17052	3/4/89	Weld Channel and Containment Penetration Pressurization, Pressure Switch D-19 Isolation Valve.	Valve leaks by.	Replaced valve.
16788	3/4/89	Chemical and Volume Control System, Volume Control Tank Manway.	Manway leaks.	Cleaned surfaces and replaced gasket.
16763	3/4/89	Safety Injection System, #32 Accumulator Level Transmitter, LT-934B.	Lower flange leaks.	Replaced upper and lower gasket and bolting.
16816	3/6/89	Safety Injection System, Safety Injection to Loop 1 Cold Leg Flow Orifice, FE-924A.	Gasket leaks.	Replaced gasket and bolting.
16789	3/6/89	Chemical and Volume Control System, Volume Control Tank Inlet Level Control Valve, LCV-112A.	Inlet flange leaks.	Replaced upper and lower gaskets and all bolting.
16797	3/6/89	Main Steam System, #32 Auxiliary Boiler Feedwater Pump Governor Valve, HCV-1118.	Loose yoke assembly.	Tightened yoke.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15097	3/6/89	Safety Injection System, High Head Injection Recirculation Stop Valve, MOV-888B.	Bleed off valve and tubing not supported.	Erected unistrut support.
Various	3/7/89	Feedwater System, #31 - #34 Steam Generator Feedwater Flow Control Solenoid Operated Valves, SOV-417-2, 427-1, 427-2, 437-1, 437-2, 447-1, 447-2.	Washers installed on top of hold down bolts.	Moved washers to bottom of hold down bolts.
16046	3/7/89	Electrical System, Motor Control Center #38, Cubicle 4E.	Improperly sized motor overload heater elements.	Replaced heater elements.
16049	3/7/89	Electrical System, Motor Control Center #38, Cubicle 3H.	Improperly sized motor overload heater elements.	Replaced heater elements.
10786	3.8.89	Isolation Valve Seal Water System, Residual Heat Removal Miniflow Check Valve, IV-1550.	Valve leaks.	Replaced valve.
17170	3/9/89	Electrical System, Motor Control Center #37, Cubicle 8FD.	Improperly sized fuses.	Replaced fuses.
14532	3/9/89	Service Water System, #31 Service Water Pump Motor.	Missing bolt on vent screen.	Replaced bolt.
15356	3/9/89	Electrical System, Motor Control Center #31 Supply Breaker.	Improperly spliced leads.	Respliced leads.
15255	3/9/89	Main Steam System, Steam Generator #31 Main Steam Isolation Valve Exhaust Solenoid Operated Valve, SOV-1233.	Defective flex conduit.	Replaced flex conduit.
15150	3/10/89	Sampling System, Residual Heat Removal Loop Sample Isolation Valve, AOV-958.	Inadequately supported.	Re-routed tubing and installed supports.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
16447	3/10/89	Primary Sampling System, Pressurizer Liquid Space Sample Isolation Valve Solenoid Operated Valve SP-956C-1.	Missing washers.	Installed washers.
16448	3/10/89	Primary Sampling System, Pressurizer Steam Space Sample Isolation Valve Solenoid Operated Valve SP-956A-1.	Missing washers.	Installed washers.
15398	3/10/89	Electrical System, #31 Motor Generator Breaker.	Improperly spliced wire.	Respliced wire.
17140	3/11/89	Weld Channel and Containment Penetration Pressurization, Pressure Transmitter Isolation Valve, PCV-1101-34.	Internal leakage.	Replaced valve.
15775	3/11/89	Electrical System, Motor Control Center #37, Cubicle 1FG.	Loadside wire strands not properly connected.	Repaired cable ends.
17435	3/11/89	Auxiliary Coolant System, #32 Component Cooling Heat Exchanger Vent Valve, AC-6.	Missing vent cap.	Installed vent cap.
17186	3/11/89	Service Water System, #34 Zurn Water Strainer Motor.	Damaged sealtite and motor hubs.	Replaced sealtite and hubs.
14559	3/13/89	Ventilation System, #34 Fan Cooler Unit Motor.	Missing screws in motor junction box.	Replaced screws.
11820	3/14/89	Residual Heat Exchanger Outlet Flow Transmitter FT-638.	Sensing line to transmitter union leaks.	Repaired leaks.
14323	3/14/89	Hydrogen Recombiner System, #31 Hydrogen Recombiner Instrument Air Supply.	Water trap leaks.	Replaced trap.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989

MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14951	3/15/89	Chemical and Volume Control System, Reactor Coolant Pump #33 Seal Injection Containment Isolation Motor Operated Valve, MOV-250C.	Missing stem cap. Sealtite fittings loose.	Replaced stem cap. Repaired fittings.
15645	3/15/89	Radiation Monitoring System, Fuel Storage Building Air Particulate Detector, R-39, Motor.	Improperly spliced motor leads. Missing motor hold down bolt.	Respliced motor leads. Replaced bolt.
16466	3/15/89	City Water Back Up to #32 Auxiliary Boiler Feed Pump Suction Valve, LCV-11882, Solenoid Operated Valve SOV-1258-2.	Missing washers on valve.	Installed washers.
14955	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #31 Seal Injection Containment Isolation Motor Operated Valve, MOV-441.	De-clutch lever fails to properly engage. Loose Sealtite fittings.	Adjusted lever. Repaired Sealtite fittings.
14956	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #34 Seal Injection Containment Isolation Motor Operated Valve, MOV-444.	Sealtite fittings and nuts loose. De-clutch lever fails to properly engage.	Repaired Sealtite connections. Adjusted lever.
14958	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #31 Seal Injection Containment Isolation Motor Operated Valve, MOV-443.	Sealtite fittings loose. Stem cap missing.	Repaired fittings. Replaced cap.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14950	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #32 Seal Injection Containment Isolation Motor Operated Valve, MOV-250B.	De-clutch lever did not engage. Sealtite fittings loose. Crushed spare wire with exposed conductor. Missing stem cap.	Adjusted lever. Repaired fittings. Repaired wire. Replaced stem cap.
14952	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #34 Seal Injection Containment Isolation Motor Operated Valve, MOV-250D.	Sealtite fittings loose.	Repaired fittings.
Various	3/16/89	Chemical and Volume Control System, #31, 32 and 34 Reactor Coolant Pump Seal Injection Containment Isolation Valves MOV-250D, 441, 442, 444.	Missing protective cover cap.	Installed cap.
14954	3/16/89	Chemical and Volume Control System, Reactor Coolant Pump #32 Seal Injection Containment Isolation Motor Operated Valve, MOV-442.	De-clutch lever fails to properly engage. Indicating light socket burns out lamps. Sealtite fittings nuts loose.	Adjusted lever. Repaired socket. Tightened nuts.
14381	3/16/89	Auxiliary Cooling System, #31 Residual Heat Removal Pump.	Excessive boron deposits.	Cleaned casing to motor union.
15328	3/16/89	Post Accident Sampling System, Containment Building Hydrogen Concentration Sample Line Isolation Valve, SOV-511.	Position indication lights operate erratically.	Repositioned limit switches.
17233	3/16/89	Weld Channel and Containment Penetration Pressurization, Penetration "B" Pressure Gauge Test Connection.	Test connection threads are stripped.	Replaced test connection.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
16842	3/16/89	Service Water System, #31 Fan Cooler Unit 10" Supply Header Drain Valve, SWN-115.	Valve fails to open.	Replaced valve.
15636	3/17/89	Chemical and Volume Control System, Charging Pump Discharge Line Pipe Support CH-H-R-19-33-H.	U-bolts and shim plate missing.	Fabricated shim plate. Installed shim plate and U-bolts.
15118	3/17/89	Isolation Valve Seal Water System, Instrument Line IV-SW-1520.	Support missing spring nuts.	Installed spring nuts, bolts and washers.
15946	3/17/89	Chemical and Volume Control System, Flanged Joints at FE-128 in Line #19.	Flange joint misaligned.	Welded in new pipe and changed out gaskets.
17132	3/18/89	Electrical System, #35 Service Water Pump Breaker.	Damaged wire way on breaker frame.	Repaired wire way.
14871	3/18/89	Safety Injection System, High Head Injection Stop Valve, SI-856B.	Sealtite jacket cracked. Lower limit switch gearbox stripped. External lead crushed. Collapsed spring pack.	Repaired jacket. Replaced gearbox. Repaired lead. Replaced spring pack.
14863	3/18/89	Safety Injection System, Safety Injection Pumps Recirculation to Refueling Water Storage Tank Motor Operated Stop Valve, SI-843.	Cracked limit switch rotor. Twisted de-clutch shaft. Cracked sealtite connectors.	Replaced rotor. Replaced shaft. Replaced connector.
17411	3/18/89	Boric Acid Heat Trace, Heating Circuit #40.	Open circuit.	Replaced heat strip.
15389	3/18/89	Electrical System, #31 Lighting Transformer Breaker.	Spring release device coil out of alignment. Improperly spliced leads.	Aligned coil. Respliced leads.
17125	3/20/89	Electrical System, Motor Control Center #36B, Cubicle 1FB.	Control fuse had loose ends.	Installed new fuse.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
17335	3/20/89	Chemical and Volume Control System, #32 Seal Injection Filter.	Nuts not welded to studs.	Welded nuts to studs.
15428	3/20/89	Chemical and Volume Control System, Charging Line Drain Valve, CH-112.	Packing gland follower cracked.	Replaced valve.
15227	3/21/89	Safety Injection System, High Head Injection Recirculation Stop Valve, MOV-888B.	Defective Sealtite.	Replaced Sealtite.
15213	3/21/89	Safety Injection System, High Head Injection Recirculation Stop Valve MOV-888A.	Defective Sealtite.	Replaced Sealtite.
11716	3/22/89	Auxiliary Coolant System, Component Cooling to Reactor Coolant Pump Isolation Valve MOV-797.	Sealtite separated from fitting.	Replaced Sealtite.
17432	3/22/89	Electrical System, #35 Service Water Pump Breaker.	Improperly secured wireway.	Replaced wireway.
17081	3/22/89	Service Water System, #35 Fan Cooler Unit Inlet Isolation Valve, SWN-41-5.	Valve leaks.	Removed valve, repaired upper outlet flange.
16657	3/23/89	Auxiliary Cooling System, #32 Component Cooling Heat Exchanger.	One leaking tube. Dirty and plugged tubes.	Plugged tube. Cleaned tubes.
16075	3/23/89	Electrical System, Boron Injection Tank Outlet Isolation Valve, MOV-1835A.	Crushed motor leads. Improperly crimped ring terminals and crushed wire.	Resplined motor leads. Replaced defective components.
8827	3/24/89	Residual Heat Removal, Residual Heat Removal Heat Exchanger #32 Inlet Isolation Valve, MOV-745B.	Worn Sealtite.	Replaced Sealtite.

MONTHLY MAINTENANCE CATEGORY I REPORT

March 1989
MONTH

WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
14206	3/24/89	Chemical and Volume Control System, #33 Charging Pump Vent Valve, CH-103.	Bent valve stem.	Replaced valve yoke and stem.
17436	3/24/89	Auxiliary Coolant System, #32 Component Cooling Heat Exchanger Vent Valve, AC-8.	Missing vent cap.	Installed vent cap.
16915	3/24/89	Reactor Coolant System, Pressurizer Spray Valve, PCV-455A.	Packing leaks.	Replaced bellows assembly, gasket and diaphragm. Repacked valve.
16910	3/24/89	Reactor Coolant System, Pressurizer Spray Bypass Valve, PCV-455B.	Packing leaks.	Replaced gasket, bellows assembly and diaphragm.
16787	3/24/89	Chemical and Volume Control System, #31 Charging Pump Suction Valve, CH-278.	Flange leak.	Changed gasket and bolting.
16153	3/24/89	Safety Injection System, Boron Injection Tank Inlet Isolation Valve MOV-1852B.	De-clutch lever out of alignment. Defective ring terminals.	Adjusted lever. Replaced ring terminals.
16155	3/24/89	Safety Injection System, Boron Injection Tank Inlet Isolation Valve, MOV-1852A.	De-clutch lever out of alignment. Ripped cover gasket.	Adjusted lever. Replaced gasket.
16156	3/24/89	Safety Injection System, Boron Injection Tank Outlet Isolation Valve, MOV-1835B.	De-clutch lever out of alignment. Improperly crimped ring terminals.	Adjusted lever. Replaced terminals.

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WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
15710	3/27/89	Electrical System, #31 Charging Pump Breaker.	Spring release device coil out of alignment. Incorrectly sized current Transformer.	Aligned coil. Replaced current transformer.
16024	3/27/89	Electrical System, Motor Control Guter #38, Cubicle 3D.	Improperly sized motor overload heater elements.	Replaced heater element.
15087	3/28/89	Auxiliary Coolant System, Component Cooling to Excess Letdown Heat Exchanger Isolation Valve, SOV-791.	Sealtite connector loose.	Tightened connector.
15090	3/28/89	Reactor Coolant System, Pressurizer Relief Tank Gas Analyzer Containment Isolation Valve, AOV-549.	Sealtite fittings loose.	Torqued fittings.
15121	3/28/89	Weld Channel and Containment Penetration Pressurization, Vapor Containment Pressure Relief Valves Interspace Pressurization Solenoid Operated Valve, SOV-1279.	Exhaust elbow missing.	Installed exhaust port elbow.
17323	3/28/89	Service Water System, #34 Zurn Strainer.	Broken Sealtite.	Replaced Sealtite.
14923	3/29/89	Fan Cooler Unit Charcoal Filter Dousing Stop Valve, SI-880H.	De-clutch lever not engaging properly.	Replaced torque switch and adjusted for proper operation.
17331	3/29/89	Safety Injection System, Residual Heat Exchanger Outlet Line #358.	Flange leaks.	Removed gasket, cleaned surfaces and installed new gasket.
15791	3/30/89	Instrument Air System, #32 Refrigerant Dryer.	Outlet air is not cooled.	Added freon.

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WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
13247	3/30/89	Instrument Air System, #31 Refrigerant Dryer Condenser Fan Motor.	Motor is inoperative.	Replaced motor.
14922	3/30/89	Fan Cooler Unit Charcoal Filter Dousing Stop Valve, SI-880G.	Damaged motor lead insulation. Cracked limit switch block.	Repaired insulation. Repaired switch block.
15418	3/30/89	Safety Injection System, Accumulator Vent Control Valve, HCV-943.	Valve leaks.	Replaced valve trim, gaskets, diaphragm, omni seal and packing.
16799	3/30/89	Ventilation System, #31 Fan Cooler Unit Condensate Drain Level Control Valve LCV-1163.	Cracked nut on air tube fitting.	Replaced nut and tubing.
12483	3/31/89	Sampling System, Residual Heat Removal Loop Sample Isolation Valve, SP-959.	Bonnet leakage.	Replaced body to bonnet gasket.
Various		Electrical System Breakers for: #32 Component Cooling Pump, Nuclear Services Building Transformer, Bus 2A to Bus 3A Tie, Pressurizer Control Group Heaters, #32 Containment Recirculation Fan Cooler Unit, #33 Auxiliary Boiler Feewater Pump Motor, #35 Containment Recirculation Fan Cooler Unit, #32 Recirculation Sump Pump Motor, #31 Containment Recirculation Fan Cooler Unit, Fire Pump Motor Breaker, #33 Charging Pump Motor, #33 Component Cooling Pump Motor.	Spring release device coil out of alignment.	Aligned coil.

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WR#	DATE	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
Various		Various Safety Related Systems Related Systems' Valves (46 valves).	Packing leaks.	Repacked valve.

SUMMARY OF OPERATING EXPERIENCE

MARCH 1989

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