

OPERATING DATA REPORT

DOCKET NO. 50-247
 DATE 6/8/81
 COMPLETED BY E. Eich
 TELEPHONE (914)-997-6000
 Ext. 231 @ I.P.

OPERATING STATUS

1. Unit Name: Indian Point Station Unit No. 2
2. Reporting Period: May, 1981
3. Licensed Thermal Power (MWt): 2758
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Available Capacity (Gross MWe): 885
7. Maximum Available Capacity (Net MWe): 849
8. If Available, Change in Capacity Ratings (Items Number 3 Through 7) Since Last Report: None

Notes: Initial criticality for Cycle 5 was achieved on May 21, 1981 at 11:00 A.M. The unit was returned to service on May 23, 1981.

9. Power Level To Which Restricted, If Any (Net MWe): _____
10. Reasons For Restrictions, If Any: _____

	This Month	Year To Date	Cumulative
11. Hours in Reporting Period	744	3623	60648
12. Hours in Which Reactor Was Critical	225.20	225.2	38389.11
13. Reactor Reserve Shutdown Hours	0	0	1472.79
14. Hours Generator On-Line	129.22	129.22	37209.60
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	151345	151345	95959773
17. Gross Electrical Energy Generated (MWH)	30810	30810	29650856
18. Net Electrical Energy Generated (MWH)	17576	7967	28237291
19. Unit Capacity Factor	17.4	3.6	61.4
20. Unit Availability Factor	17.4	3.6	61.4
21. Unit Capacity Factor (Using MDC Net)	2.8	0.3	54.1
22. Unit Capacity Factor (Using DER Net)	2.7	0.3	53.3
23. Unit Forced Outage Rate	32.1	32.1	9.1
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Start up: _____
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast Achieved
~~_____~~ ~~_____~~
 N. A. ~~_____~~

8106290095

POOR ORIGINAL

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247

UNIT Indian Point Unit2

DATE 6/8/81

COMPLETED BY E. Eich

TELEPHONE (914) 997-6000
Ext. 231 I.P.

MONTH May, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
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	56
25	4
26	211
27	281
28	20
29	17
30	197
31	200

INSTRUCTIONS

On this format, list the average daily unit power level in MWe-Net for each day in the reporting month. Round off to the nearest whole megawatt.

POOR ORIGINAL

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH May, 1981

POCKET NO. 50-247
 UNIT NAME I. P. Unit No. 2
 DATE 6/8/81
 COMPLETED BY E. Eich
 TELEPHONE (914) 997-6000
Ext. 231 @ I.P.

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
14	11-6-80	S	547.62	C	4	N/A	XX	XXXXXX	Refueling & Maintenance Outage Continued.
1	5-23-81	F	10.75	A	1	N/A	IC	CRD RVE	Rod Withdrawal Stop
2	5-24-81	F	20.20	A	3	N/A	IA	XXXXXX	Nuclear Instrumentation Intermediate Range Malfunction.
3	5-28-81	F	30.00	A	Reactor Remained Critical	N/A	WA	Valvex B	Service water temperature control valve to turbine oil coolers went closed.
4	5-30-81	S	6.22	B	Reactor Remained Critical	N/A	HA	XXXXXX	Balance Exciter.

POOR ORIGINAL

¹ F- Forced
 S- Scheduled

(9/77)

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulator Restriction
 E-Operator Training, g.c. 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 G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NURIG-0161)

⁵ Exhibit I - Same Source

Indian Point Station

Docket No.	<u>50-247</u>
Unit	<u>Unit No. 2</u>
Date	<u>June 9, 1981</u>
Completed By	<u>Kevin Burke</u>
Telephone	<u>914-737-3843</u>

Summary of Operating Experience May, 1981

As the 1980-81 Refueling and Major Maintenance outage came to a close, the majority of time was directed toward post maintenance testing, periodic testing, checkoff lists, and other return to service requirements.

On May 4th, a decision was made to replace the seals in #22 reactor coolant pump after the seal return flow decreased to less than minimum acceptable value. After replacement, reactor coolant system heatup was commenced and the system was brought to hot shutdown condition on May 13th while various required testing continued.

On May 16th, a decision was made to cool down and replace the flexitallic flange gaskets in the main steam line check valves because of excessive leakage.

The unit was brought back to hot shutdown condition on May 20th and achieved initial criticality on May 21st at 11:02 a.m. Low power physics testing was completed the following day and, after recovery from a steam flow/feed flow mismatch reactor trip, the reactor was made critical again and the turbine rolled to synchronous speed on May 23rd and loaded to 100 MWE the following day.

After resolving problems associated with the unit auxiliary transformer, intermediate range nuclear instrumentation reset points, turbine bearing vibration and service water flow to the main oil coolers, the end of the monthly reporting period found the Unit at 50% reactor power and holding as physics testing continued.

February

Unit No. #2

Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
2-4-81	Service Water Valves	3741	Repack SW Isolation Valves SWN-62-1-2-3-4-6-67-1-2	Repack All Valves
2-5-81	Service Water Drain	3484	Valve SWN 76 leaks	Install new valve welded male connector
2-7-81	Elect D/G	3742	Repack PCV 1176	Repack valve, 1176 7 rings 3/16"
2-9-81	N ₂ Bank	1324	Nipple Cent. Accum. valve (WCV 75) leaks	Remove nipple clean threads & reinstalled
2-10-81	80' Air Lock	3831	Repair inner door hinge pin temporarily	Rewelded pin on plate assembly latch
2-10-81	RHR-22 Pump	3699	Open check valve 738A - Repair close up after discharge header	Remove cover + replace with new gasket at check valve
2-11-81	Auxiliary FW. Regulator	1697	Loose connection where N ₂ regulator line ties to IA line	Remove connection, cleaned and resoldered
2-14-81	80' Air Lock	3887	Reweld adjusting bolt on inner door	Made up new pin installed into new latch plate
2-18-81	Heat Exchanger Component Cooling	3758	793/796 Outlet Valves Broken I/A pipe	Reseat fitting with soft solder
2-18-81	23 Aux. Boiler Feed Pump	1775	23 A.B.F.P. Internal Inspection	Inspected pump + repack pump
2-19-81	24 Bearing Lift Pump	3404	24 Bearing Lift Pump Discharge Gage Broken	Install new gauge
2-22-81	Instrument Air Supply	3548	Leak IA Supply Component Cooling Return	Work completed with MWR-3758

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March

Unit No. #2

Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
3-5-81	Regulator F.W.	1304	21, 22, 23, 24 FW- By pass Regulators Leak	Lap Seats - Replace gaskets + repacked all four regulators
3-5-81	Valve to Hold Up Tanks	2776	LCV-112A Diversion Valve to VCT- leak.	Repack + install new trim set
3-7-81	RTD-Cap	3933	Install Cap on RTD 420 A Hot Leg (Defective)	Install 1/4" x 20 x 5/8" Hex Head Cap Screw into RTD
3-9-81	Root Stop Valves	3603	LT-447-A-B-C - low leg root stop valve lks	Replace low leg root stop valves
3-10-81	Valve 21 S/G	3461	Valve 417 C-21 S/G has bent steam	Renewed valve LT-417-C
3-17-81	Lube Pump	4069	23 D/G pre lube pump sounds noisy.	Replaced outboard bearing
3-17-81	Pre Lube Pump	4124	Remove/replace 23 D/G pre- lube pump motor	Replace outboard bearing
3-18-81	CRD Motors	3371	Disassemble/Insp.-Reassem- ble control rod drive cool- ing motor	Replace CRD Motor and fan
3-21-81	B.I.T. Valve	3487	1822 A+B Lap Seats and Disc.	1822A Machine 1822B Lapped Seat
3-25-81	F.C.U.	3620	Elect. conduit going to FCU 21-22 wire exposed	Install new LB con- duit-respliced wire
3-27-81	Valve	4161	Investigate lack of power valve 863	Replace Fuses

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April

Unit No. #2

Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
4-8-81	Pump Casing Drain	4137	21 SIS Pump Center Pump Casing Drain Plug	Install new vented metal "O" Ring
4-8-81	Pressurizer Valve	4268	Valve 537 Pressurizer Leak Upper Level	Repacked Valve
4-8-81	I/A Line	4255	I/A Line to PCV 1237 Bent tubing	Repaired Bent Tubing Resweated Leak
4-8-81	I/A Line	4251	I/A Line to VC Instrument Air Header Stop Valve Leak	Resweated leaking tu- bing & install bracket
4-8-81	I/A Line	4254	I/A Line to SOV-796 - No Support	Install missing - clamp replace nipple
4-9-81	22 S G Manway	4282	Gasket leak - Secondary Hydro	Clean bolts & replace gasket
4-9-81	22 S G Hand hole	4289	22 S/G Hand hole, replace gasket - secondary hydro	Clean bolts & install new gasket
4-9-81	I/A Line, Operator	4053	The operating air line to operator PCV 1228 leaks	Resweated fitting
4-10-81	I/A Line	4287	Air Line to HCV-133 Bro- ken	Resweated - elbow install hanger
4-12-81	Limit-switch	3973	LCV-469 close limit switch N/G	Renew snap lock limit switch
4-14-81	Accumulator N ₂ Valve	3893	Valve 943 has blown diaphragm	Replace diaphragm
4-14-81	Valve	4276	505A Packing Leak	Repack Valve
4-14-81	Valve - 1802B	4349	Repair 1802B, Replace Motor	Reinstall Motor from 1802A
4-15-81	23 RCP	4278	Thermal Barrier Swagelok Fitting Stripped	Replace with new one
4-15-81	MS-1-22	4290	MS-1-22 vent leaks past seat	Lapped - seat + plug Renewed packing
4-16-81	Valve Bonnet	4415	Missing nut on valve 1821 - Replace nut	Replace missing nut on valve 1821

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APRIL

Unit No. 2

Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
4-17-81	Elect	4118	Vent fan bad	Renewed fan motor
4-20-81	SGBD Valves	4350	24 S/G PCV 1217-1217A Leaks	Lapped both valves and replace gasket
4-21-81	Valve	4032	Valve will not operate 1802A	Install new hand wheel assembly
4-22-81	Ventilation	4370	Repair/Replace PCV 1191	Replace "O" Ring + Seat Ring "T"-Adjusted
4-22-81	Air Lock	4412	95" Air Lock door out of alignment	Realigned inner door on 95' elev.
4-23-81	ABFP	4363	Repair recirculation Header on 23 ABFP	Installed new section of piping
4-23-81	S/G 23	4398	The middle manway needs new gasket	Replace 8" gasket hand hole 23/ S/G
4-23-81	S/G 23	4399	Manway needs to be torqued	Replace 6" gasket Replace 2 new studs and 12 ring packing
4-24-81	22-Accumulator	4288	Renew studs on 955D	Install new rupture disc
4-24-81	Pressurizer Relief Tank	4437	Replace pressurizer relief tank rupture disc	
4-24-81	RCP - Pump	4442	Re-adjust shim stack #3 seal - 24 RCP	Reduce shim pack thickness from .451 to .430
4-25-81	FCU Outlet Valve	3243	21 FCU Normal Outlet Valve Indicates Open/ Close	Adjusted open indicated lights
4/25/81	Valve	4414	Supply Valve 1875A is inoperative-repair	Renew bonnet and diaphragm
4-26-81	Elect. 22 D/G	4373	Tube leak SW cooler for water jacket	Plugged two tubes
4-27-81	FCU 24 Valve	2985	Wier dump valve will not open from CCR	Install new solonoid valve

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April

<u>Unit No. 2</u>		<u>Mechanical and Electrical Maintenance</u>		
<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
4-27-81	22 Boric Acid Transfer Pump	4375	Investigate - repair cause of pump failure	Replace mechanical seals
4-28-81	Instr/Air - Line	4475	Instr/Air line to Air Eject Discharge to VC Valve Leaks.	Line sweated back in place.
4-28-81	Valve Ventilation	4472	PCV 1192 - Reset to Stop Leak	Install new "T" seat and "O" ring
4-29-81	Elect	4486	Connector to MOV 535 not made up. Reconnect Ground Cable.	Tighten Seal-Tite Connection.

May

Unit No. #2

Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR#</u>	<u>Malfunction</u>	<u>Corrective Action</u>
5-5-81	Ventilation Valves	4511	Repair controls on 1170, 71, 72, 73	Replace solenoids and regulators
5-6-81	Valve	4549	Limit switches not indicating	951-953 D - Adjusted Limit Switches
5-7-81	Containment Vent	4514	21 R FCU Charcoal 1294A Inlet Valve Open/Close	Reset Limits
5-7-81	Containment Vent	4515	21 R FCU Charcoal 1297A Inlet Valve Open/Close	Reset Limits
5-7-81	Containment Vent	4516	23 R FCU Charcoal 1300A Inlet Valve Open/Close	Adjusted Limit
5-7-81	Containment Vent	4517	25 R FCU Outlet Valve 1307 / A broken light-socket	Replace broken socket
5-7-81	95' Air Lock	4576	Repair inner door on 95' personnel air lock	Line airlock door, install new swing rod
5-9-81	Check Valve 26 SWP	4588	Inspect discharge check valve	Repair valve with two coats of belzone
5-9-81	Check Valve 24 SWP	4512	24 SWP check valve hung up	Repair valve with two coats of belzone
5-12-81	80' Air Lock	4636	Gasket leak Inner Door	Install new door gasket
5-12-81	Containment Isolation Valve	4505	Solenoid for 1702 valve missing	Replace solenoid on valve
5-12-81	80' Air Lock	4641	Make repairs to 80' personnel air lock	Adjusted door latch
5-15-81	Valve	4680	Bonnet Leak MS-1-21	Retorque Cover nuts
5-15-81	Valve	4681	Bonnet Leak MS-1-23	Retorque Cover nuts
5-15-81	Valve	4682	Bonnet Leak MS-1-24	Retorque Cover nuts
5-15-81	Valve	4690	Torque 4 MSIV-2 while hot	Retorque all MSIVs cover nuts

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May

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Mechanical and Electrical Maintenance

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