OPERATING DATA REPORT

DOCKET NO. 50-247
DATE 10-5-79
COMPLETED BY L. Kawula
TELEPHONE 914-694-6000
Ext. 209@I.P.

OPERATING STATUS

1. Unit Name: Indian Point Station Unit No. 2
2. Reporting Period: September, 1979
3. Licensed Thermal Power (MWt): 2758
4. Nameplate Rating (Gross MWe): 1013
5. Design Electrical Rating (Net MWe): 873
6. Maximum Dependable Capacity (Gross MWe): 885
7. Maximum Dependable Capacity (Net MWe): 849

Notes Following the refueling/maintenance outage, Unit No. 2 was brought critical at 0917 hours on 9/11/79 and was synchronized to the bus at 0055 hours on 9/15/79.

8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:
NONE

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any: N/A

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	720	6 551	46 032
12. Number Of Hours Reactor Was Critical	419.67	4 363.74	30 309.01
13. Reactor Reserve Shutdown Hours	42.00	49.00	170.66
14. Hours Generator On-Line	295.43	4 191.56	29 420.56
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	443 023	10 974 719	75 777 912
17. Gross Electrical Energy Generated (MWH)	122 310	3 445 070	23 544 506
18. Net Electrical Energy Generated (MWH)	105 219	3 284 499	22 444 671
19. Unit Service Factor	41.0	64.0	63.9
20. Unit Availability Factor	41.0	64.0	63.9
21. Unit Capacity Factor (Using MDC Net)	17.2	58.6	56.6
22. Unit Capacity Factor (Using DER Net)	16.7	57.4	55.9
23. Unit Forced Outage Rate	17.1	3.4	7.8

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
NONE

25. If Shut Down At End Of Report Period, Estimated Date of Startup: NONE

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY	NA	
COMMERCIAL OPERATION		

7910220279

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
UNIT Indian Point Unit No. 2
DATE 10-5-79
COMPLETED BY L. Kawula
TELEPHONE 914-694-6000 Ext. 209 @I.P.

MONTH September, 1979

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	170
2	0	18	32
3	0	19	89
4	0	20	150
5	0	21	160
6	0	22	0
7	0	23	13
8	0	24	318
9	0	25	382
10	0	26	442
11	0	27	645
12	0	28	710
13	0	29	691
14	0	30	702
15	0	31	-
16	136		

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.

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1979

DOCKET NO. 50-247
UNIT NAME I.P. Unit No. 2
DATE 10-5-79
COMPLETED BY L. Kawula
TELEPHONE 914-694-6000
Ext. 209 @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
21	6-16-79	S	336.92	C	1	N/A	RC	ZZZ ZZZ	Cycle 3/4 Refueling Outage
22	9-15-79	F	4.59	A	3		HJ	HTEXCH F	24 s/g Hi Level
23	9-15-79	F	12.03	A	3		HJ	HTEXCH F	23 s/g Hi Level
24	9-18-79	F	21.30	A	3		CH	PUMP XX B	Loss of 21 M.B.F.P.
25	9-19-79	F	3.73	A	3		HJ	HTEXCH F	21 s/g Hi Level
26	9-21-79	S	26.55	B	2		HA	TURBINE	Turbine Overspeed Test
27	9-23-79	F	15.82	A	3		CH	PUMP XX B	22 M.B.F.P. Recirc. Drain Valve.

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or 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 G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September, 1979

DOCKET NO. 50-247
UNIT NAME I.P. Unit No. 2
DATE 10-5-79
COMPLETED BY L. Kawula
TELEPHONE 914-694-6000
Ext. 209 @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
28	9-25-79	F	3.63	A	3		CC	VALVE X C	22 s/g Regulator Valve

1
F: Forced
S: Scheduled

2
Reason:
A-Equipment Failure (Explain)
B-Maintenance or Test
C-Refueling
D-Regulatory Restriction
E-Operator Training & License Examination
F-Administrative
G-Operational Error (Explain)
H-Other (Explain)

3
Method:
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Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

5
Exhibit I - Same Source

(9/77)

Indian Point Station

Docket No. 50-247

Unit Unit No. 2

Date October 8, 1979

Completed By J. Makepeace

Telephone 914-739-8823

Summary of Operating Experience - September, 1979

At the end of the last reporting period, replacement of No. 22 RCP motor was in progress. After this was accomplished, the pump was returned to an operable status on Sunday, 9/2/79. Heatup of the RCS was commenced on the following day. At approximately 0445 hours on Tuesday, 9/4/79, a small amount of oil which had permeated portions of the insulation on No. 24 RCP bowl caught fire. The fire was promptly extinguished and effects were localized in the area of the insulation. To facilitate replacement of the insulation, the RCS temperature was brought down to approximately 220°F. After replacing the pump bowl insulation, RCS heatup was resumed. In the course of system heatup smoldering-type fires were experienced on the other three pumps. Effects were again confined to the insulation, requiring partial replacement of same.

A 50 psig air pressure test of the main generator was successfully conducted on 9/5/79. The generator was then depressurized, purging with CO_2 and filled with hydrogen.

At 0917 hours on Tuesday, 9/11/79, the reactor was brought critical for the start of Cycle 4 zero power physics test program. This program was completed at approximately 1100 hours on the following day.

The Unit was synchronized to the system at 0055 hours on Saturday, 9/15/79. The load was gradually brought up to approximately 30 percent and held at this level for four days for the steam generator "boron soak" as recommended by Westinghouse.

Following completing of the steam generator "boron soak", the unit was removed from service on Friday, 9/21/79, to check the turbine overspeed trip devices and to perform miscellaneous maintenance work. It was returned to service the following day at 2355 hours and the load gradually escalated to 90% for ex-core/in-core calibration of the nuclear instrumentation system. Data for this calibration was collected on Sunday, 9/30/79.

Other significant items of interest during the report period were as follows:

1. Line walking of safety related piping as required by IE Bulletin 79-14 was accomplished. A report of the results of this work was submitted to the Commission on 9/28/79.

2. The mechanical seal on No. 21 RHR pump was replaced to correct a slight leakage problem at the seal.

3. Nuclear noise measurements were taken at various power levels to confirm that the apparent loose object at the bottom of the reactor vessel had not lodged between the energy absorbing device and the vessel bottom.

4. On two occasions during low power physics testing, RCC B-6 dropped. In both cases, the rod was retrieved with no difficulty. Subsequent investigation revealed that the problem was caused by a loose connection at top of the oil stack. After repairs, no further problems were encountered.

Unit No. 2

Instrumentation and Control Repair

Date	Component	MWR #	Malfunction	Corrective Action
NONE				

Unit No. 2

Mechanical and Electrical Maintenance

Date	Component	MWR #	Malfunction	Corrective Action
7-9-79	Valve 1616	2N50217	Excessive Internal Leakage	Cleaned Seat, Plug & Spring Lapped Seat
7-13-79	FT-445 Equalizer	2N50195	Valve Packing Leak	Repacked Valve
7-18-79	Valve 515A	2N50196	Packing Leak	Repacked Valve
7-18-79	Restraint - Discharge of #22 Aux. BF Pump	2C50223	Missing Bolt on Pipe Clamp	Reinstalled Bolt
7-31-79	Valve SWN-41-3	2N50276	Excessive Internal Leakage	Replaced Valve
8-1-79	Vent Damper Solenoid (CCR)	2C50293	Solenoid Actuator Arm Loose	Tightened Actuator Arm
8-2-79	Valve 241D	2N50202	Excessive Internal Leakage	Replaced Valve
8-2-79	Valve SWN-44-2	2N50299	Excessive Internal Leakage	Replaced Valve Seal
8-4-79	Valve SWN-2	2C58021	Defective Operator	Replaced Operator
8-6-79	Valve 945A	2N50147	Bonnet Leak	Replaced Valve
8-6-79	No. 21 Steam Generator	2N50346	Handhole Gasket Leak	Replaced Handhole Gasket
8-6-79	Valve MS-1-22	2C50347	Stuffing Box Flange Leak	Repacked and Replaced Gasket

Indian Point Station
Docket No. - 50-247

Unit No. 2

Mechanical and Electrical Maintenance

Date	Component	MWR #	Malfunction	Corrective Action
8-6-79	No. 23 Steam Generator	2N50248	Hillside Port Cap Weld Leak	Ground Out Crack and Rewelded
8-6-79	Valve MS-1-24	2C50350	Packing Leak	Repacked Valve
8-6-79	No. 24 Steam Generator	2N50351	Upper Manway Gasket Leak	Replaced Gasket
8-7-79	Hanger CH-136	2N50333	Damaged Threaded Rod	Renewed Threaded Rod
8-7-79	Circuit No. 29	2N50338	Electrically Opened Heater Strip	Installed New Strip Heater
8-8-79	Steam Generator Restraints	2N50165	Loose Fittings	Retightened Fittings
8-8-79	Valve SWN-44-3	2N50316	Excessive Internal Leakage	Replaced Valve Seat
8-8-79	Valve SWN-44-4	2N50305	Excessive Internal Leakage	Replaced Seat or Valve
8-8-79	Valve SWN-41-4	2N50341	Excessive Internal Leakage	Installed New Valve
8-8-79	SIS Vent (S-46)	2N50344	Damaged Hydro Test Connection	Replaced Jumper Connection
8-8-79	Valve SWN-44-1	2N50352	Excessive Internal Leakage	Replaced Valve
8-8-79	RTD No. 411	2N58431	Defective RTD	Replaced RTD
8-8-79	No. 23 Reactor Coolant Pump	2N58444	Shorted Cable at Seal Injection Temperature RTD	Cleared Shorted Condition

Unit No. 2

Mechanical and Electrical Maintenance

Date	Component	MWR #	Malfunction	Corrective Action
8-8-79	No. 24 Control Rod Drive Fan Motor	2N58631	Motor Trips Out at Full Power	Installed New Motor
8-10-79	Valve MS-1-24	2C50349	Stuffing Box Flange Leak Due to Steam Cut	Weld Repair Made to Flange and Installed New Gasket
8-10-79	Valve SWN-44-2	2N50357	Excessive Internal Leakage	Installed New Valve
8-10-79	No. 22 Fan Cooler Unit	2N50375	Service Water Leak on Motor Cooler Coil	Repaired Leaking Coil
8-11-79	Valve PCV-1217	2N57743	Leaking Lubricator	Replaced Lubricators
8-14-79	95' Elevation Air Lock	2N50376	Leakage at Lower Shaft Seal	Cleaned and Adjusted Lower Shaft
8-14-79	Volume Control Tank	2N50395	Linear Indications on Tank Supports and Vessel Wall	Sanded Out Indications Via Disc and Die Grinder
8-17-79	No. 21 RHR Pump	2N50395	Leakage at Mechanical Seal	Replaced Mechanical Seal
8-19-79	No. 21 Instrument Air Compressor	2C28766	Drive Shaft Leak	Renewed Packing
8-20-79	No. 22 Instrument Air Compressor	2C28767	Drive Shaft Leak	Renewed Packing
8-21-79	No. 23 Diesel Generator	2C50404	Damaged Vent Valve on 4-5-6 Header	Replaced Valve and Associated Nipple

Unit No. 2

Mechanical and Electrical Maintenance

Date	Component	MWR #	Malfunction	Corrective Action
8-22-79	Valve 951	2N50397	Blown Diaphragm	Replaced Diaphragm
8-23-79	Valve 885B	2N50200	Declutching Shaft Broken	Installed New Shaft
8-24-79	FT-128	2N50396	Erroneous Flow Indications	Transmitter Recalibrated
8-24-79	SOV 1337/1437	2N50390	Solenoid Valves Inoperable	Installed New Solenoid Valves
8-24-79	Restraint ACH-217	2N50384	Linear Indications and ARC Strikes	Removed Indications and ARC Strikes Via Disc Grinder
8-24-79	No. 23 Fan Cooler Unit	2N50368	Through Wall Leak on SW Outlet Line of Motor Cooler	Replaced Line Section
8-25-79	No. 25 Fan Cooler Unit	2N50427	Cooling Coil Leak	Made Epoxy Repair to Coil
8-26-79	Valve 1193	2N50420	Tubing Parted At Sweat Fitting	Resoldered Air Tubing to Fitting
8-28-79	Valve 1293	2N50040	Red Limit Light Stays on When Valve Closed	Adjusted Cams and Reset Limits
8-29-79	R11/R12	2N50412	SOV1535 Indicated Half Open/Half Closed	Replaced Lower Limit Switch
8-29-79	Valve FCV 1295	2N50366	Indicating Lights Malfunctioning	Reset Limits
8-29-79	Valve 885A	2N50199	No Full Open Indication	Reset Limits
8-31-79	Vent Damper "A"	2C50447	Damper Does Not Fully Close	Lubricated All Mechanical Parts