OPERATING DATA REPORT

DOCKET NO. 50-247
DATE 8-5-81
COMPLETED BY E. Eich
TELEPHONE 914-526-5155

OPERATING STATUS

1. Unit Name: Indian Point Station Unit No.2
2. Reporting Period: July, 1981
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
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

None

Notes

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	744	5087	62112
12. Number Of Hours Reactor Was Critical	698.25	1627.77	39791.68
13. Reactor Reserve Shutdown Hours	45.07	54.64	1527.43
14. Hours Generator On-Line	693.85	1516.32	38596.70
15. Unit Reserve Shutdown Hours	-0-	-0-	-0-
16. Gross Thermal Energy Generated (MWH)	1861854	3682793	99491221
17. Gross Electrical Energy Generated (MWH)	560470	1083710	30703756
18. Net Electrical Energy Generated (MWH)	536260	1013673	29242997
19. Unit Service Factor	93.3	29.8	62.1
20. Unit Availability Factor	93.3	29.8	62.1
21. Unit Capacity Factor (Using MDC Net)	84.9	23.2	54.7
22. Unit Capacity Factor (Using DER Net)	82.6	22.8	53.9
23. Unit Forced Outage Rate	0.2	5.9	8.9

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: N/A

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

	Forecast		Achieved
INITIAL CRITICALITY			
INITIAL ELECTRICITY		N/A	
COMMERCIAL OPERATION			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
UNIT Indian Point Unit No. 2
DATE 8-5-81
COMPLETED BY E. Eich
TELEPHONE (914)526-5155

MONTH July, 1981

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	790	17	768
2	790	18	780
3	789	19	788
4	790	20	792
5	785	21	782
6	773	22	783
7	765	23	780
8	788	24	786
9	781	25	785
10	662	26	790
11	-0-	27	790
12	-0-	28	798
13	472	29	802
14	787	30	801
15	798	31	804
16	796		

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 July 1981

DOCKET NO. 50-247
UNIT NAME I.P. Unit No. 2
DATE 8-5-81
COMPLETED BY E. Eich
TELEPHONE (914)526-5155

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
8	7-10-81	M	48.80	B	1	N/A	HB	xxxxxx	Moisture Separator Repairs
9	7-12-81	F	1.35	A	3	N/A	HJ	HTexch F	23 S/G High Level

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)

Indian Point Station

Docket No. 50-247

Unit: Unit No. 2

Date: August 7, 1981

Completed by: Kevin Burke

Telephone: (914)526-5340

SUMMARY OF OPERATING EXPERIENCES-JULY 1981

July started with Unit 2 at 100% power. On July 1st, Breaker 5A tripped, and all equipment associated with bus 5A was temporarily lost. This occurred again on July 8th. On July 9th, the breaker was racked out for testing. Two of the trip relays were replaced, and no problems have been encountered with it since.

On July 5, #23 diesel generator was removed from service to repair leaks in the lube oil cooler. The leaking tubes were plugged, and the diesel was returned to service on July 8th.

On July 10th, the plant was brought to the hot shutdown condition for a weekend outage, with the main job being tube leak identification and plugging on moisture separator/reheaters #23A and 22B. Several tubes were found to be leaking and were plugged. Additional tubes which had been previously plugged were found to have plugs on only one side of the U-tube, and were therefore plugged. Various types of work were performed including turbine balancing and feedwater nozzle inspection. The reactor was brought critical on July 12th but tripped due to #23 steam generator high level.

On July 13th, the unit was again brought critical and subsequently loaded to 825 Mwe. The generator air side seal oil pressure regulator would not regulate properly, so the backup oil supply from the main turbine was put into service and has been in service since.

On July 16th, feedwater heaters #23A, #24A, and #25A were taken out of service for tube leak inspection of #24A heater. Three tubes were plugged and the "A" string was returned to service on July 19th.

Beginning July 28, based on accuracy concerns in leading edge flow meter (LEFM) feedwater flow readings, the heat balances were based on readings of manometers across installed flow nozzles, pending inspection of LEFM's by the manufacturer.

Unit No. 2

Instrumentation Maintenance

Date	Component	MWR #	Malfunction	Corrective Action
02-02-81	Refueling Water Storage Tank level instrument	2N2 3709	Level by TYGON Tubing incorrect	LT-920, LIC 921 - instruments recalibrated
02-23-81	Feedwater regulator controller	2C5 3843	FCU 406A controller out of adjustment	Controller recalibrated
02-25-81	CVCS tank 21 level transmitter	2N2 3745	21 boric acid evap. feed tank level transmitter out of calibration	Instrument recalibrated
02-25-81	CVCS hold-up tank level transmitter	2N2 3624	Transmitter not functioning	Found impulse line plugged, had cleared.
02-27-81	RCS pressure controller	2N2 3445	PC455 not operating properly	Replaced defective diodes
03-02-81	Source Range Scaler Timer	2C2 4082	Timer not functioning	Replaced blown fuse
03-02-81	NAOH tank level transmitter	2N2 3764	Light on NAOH tank	Dry leg impulse line drained and cleaned.
03-03-81	Radiation Monitor 13	2V2 3976	R13 filter paper advance does not work	Motor replaced.
03-10-81	Area Radiation Monitor R-8	2V2 4063	Drumming Station Monitor R-8 defective	Replaced detector
03-12-81	Feedwater regulator	2C2 4056	22 Lo-flow feedwater reg. malfunctioning	Realigned positioner feedback CAM
03-13-81	Breaker EGI Control switch	2N2 4034	Switch in CCR defective	Replaced stop pin

Date	Component	MWR #	Malfunction	Corrective Action
03-18-81	Radiation Monitor R-23	2C2 4132	R23 reset switch malfunctioning	Cleaned connector strip.
03-18-81	Radiation Monitor R-16	2V2 4121	T16 reads off scale, low	Cleaned function switch
03-20-81	Pressurizer spray valve positioner	2N5 4066	Valve positioner malfunctioning	Recalibrated I/P and positioner
03-24-81	Fire Protection Smoke Detector	2N5 3266	Fire cable tray annunciator in CCR LIT	Replaced fire detector
03-31-81	Radiation Monitor R-11	2C2 4217	R-11 reads downscale	Replaced connector at detector
04-02-81	Radiation Monitor R-4	2N2 4203	Charging pump cell rad. monitor malfunctioning	Replaced defective power transformer
04-10-81	NIS Channel 32	2N5 4298	Channel malfunctioning	Replaced detector
04-13-81	Fan Cooler air plow	2N5 3426	22 FCU Relay 2-2A is clacking	Replaced air flow switch
04-24-81	Level transmitter 22 monitor tank	2N2 4392	Tank level instrument needs recalibration	Instrument recalibrated
04-28-81	Weld channel pressure instruments	2N2 4473	PC 1300S PA and PC 1302S PA not reading prcperly	Instruments recalibrated
04-30-81	21 Charging pump controller I/P	2N2 4423	Charging pump controller malfunctioning	Cleaned clogged air system
04-30-81	22 charging pump speed controller	2N2 4445	22 charging pump doesn't respond to CCR	I/P transmitter cleaned and recalibrated.
04-31-81	Incore Thermocouples	2N5 1873	Incore Thermocouples not working	Replace five defective connectors
05-04-81	24 battery charger voltmeter 2C2 4491	2C2 4491	Volt meter defective	Replaced D23
05-04-81	Intermediate range channel	2C5 4519	Ch35P6 light goes on and off.	Corrected noise on incoming cable

Date	Component	MWR #	Malfunction	Corrective Action
05-04-81	NIS Meters	2C5 4521	When conducting PTV1 NIS out of calibration	Amplifiers NM106, NM105 recalibrated
05-04-81	NIS Meters	2C5 4522	When conducting PTV1 FPF3 MTR offscale out of calibration	Amplifiers NM 106, NM 105 recalibrated.
05-26-81	Radiation Monitor R-19	2N2 4500	Investigate cause of erratic behavior R-19	Replaced wet cable, repaired area leaks

OPERATING DATA REPORT

DOCKET NO. 50-247
DATE 8-11-81
COMPLETED BY E. Eich
TELEPHONE 914-526-5155

OPERATING STATUS

1. Unit Name: Indian Point 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 Dependable Capacity (Gross MWe): 885
7. Maximum Dependable Capacity (Net MWe): 849
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes: Revised

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			
12. Number Of Hours Reactor Was Critical			
13. Reactor Reserve Shutdown Hours			
14. Hours Generator On-Line			
15. Unit Reserve Shutdown Hours			
16. Gross Thermal Energy Generated (MWH)	151874	151874	95960302
17. Gross Electrical Energy Generated (MWH)			
18. Net Electrical Energy Generated (MWH)			
19. Unit Service Factor			
20. Unit Availability Factor			
21. Unit Capacity Factor (Using MDC Net)			
22. Unit Capacity Factor (Using DER Net)			
23. Unit Forced Outage Rate			

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 Startup:

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

	Forecast	Achieved
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

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DATE 8-11-81
COMPLETED BY L. Eich
TELEPHONE 914-526-5155

OPERATING STATUS

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6. Maximum Dependable Capacity (Gross MWe): 885
7. Maximum Dependable Capacity (Net MWe): 849

Notes: Revised

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			
12. Number Of Hours Reactor Was Critical			
13. Reactor Reserve Shutdown Hours			
14. Hours Generator On-Line			
15. Unit Reserve Shutdown Hours			
16. Gross Thermal Energy Generated (MWH)	1669065	1820939	97629367
17. Gross Electrical Energy Generated (MWH)			
18. Net Electrical Energy Generated (MWH)			
19. Unit Service Factor			
20. Unit Availability Factor			
21. Unit Capacity Factor (Using MDC Net)			
22. Unit Capacity Factor (Using DER Net)			
23. Unit Forced Outage Rate			

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

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INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		