

OPERATING DATA REPORT

DOCKET NO. 50-247
DATE 9-11-80
COMPLETED BY E. Eich
TELEPHONE 914-694-6000
Ext. 231 @ I.P.

OPERATING STATUS

Notes

Power reduced on several occasions due to ETSR limitations

- Unit Name: Indian Point Sta. Unit No. 2
- Reporting Period: August, 1980
- Licensed Thermal Power (MWt): 2758
- Nameplate Rating (Gross MWe): 1013
- Design Electrical Rating (Net MWe): 873
- Maximum Dependable Capacity (Gross MWe): 885
- Maximum Dependable Capacity (Net MWe): 849
- If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

- Power Level To Which Restricted, If Any (Net MWe): 824
- Reasons For Restrictions, If Any: Removal of the No. 3 Disc. (Generator End) on No. 23 Low Pressure Turbine Rotor

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744	5 855	54 096
12. Number Of Hours Reactor Was Critical	706.90	4 754.93	37 049.36
13. Reactor Reserve Shutdown Hours	31.13	883.55	1 125.04
14. Hours Generator On-Line	642.38	4 582.90	35 972.08
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1 665 327	12 058 174	92 890 700
17. Gross Electrical Energy Generated (MWH)	482 540	3 630 660	28 763 746
18. Net Electrical Energy Generated (MWH)	458 442	3 460 395	27 425 495
19. Unit Service Factor	86.3	78.3	66.5
20. Unit Availability Factor	86.3	78.3	66.5
21. Unit Capacity Factor (Using MDC Net)	72.6	69.0	58.9
22. Unit Capacity Factor (Using DER Net)	70.6	67.7	58.1
23. Unit Forced Outage Rate	13.7	10.8	8.1

- Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Cycle 4/5 Refueling Outage scheduled to commence 12/31/80.
A three month outage is projected.

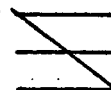
- If Shut Down At End Of Report Period, Estimated Date of Startup:

- Units In Test Status (Prior to Commercial Operation):

Forecast

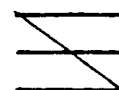
Achieved

INITIAL CRITICALITY
INITIAL ELECTRICITY
COMMERCIAL OPERATION



N.

A.



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-247
 UNIT Indian Point
 Unit No. 2
 DATE 9-11-80
 COMPLETED BY E. Eich
 TELEPHONE 914-694-6000
Ext. 231 @ I.P.

MONTH August, 1980

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>559</u>
2	<u>375</u>
3	<u>731</u>
4	<u>715</u>
5	<u>660</u>
6	<u>728</u>
7	<u>790</u>
8	<u>779</u>
9	<u>778</u>
10	<u>445</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>127</u>
15	<u>560</u>
16	<u>693</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>797</u>
18	<u>793</u>
19	<u>782</u>
20	<u>777</u>
21	<u>767</u>
22	<u>760</u>
23	<u>763</u>
24	<u>777</u>
25	<u>651</u>
26	<u>585</u>
27	<u>763</u>
28	<u>761</u>
29	<u>768</u>
30	<u>759</u>
31	<u>744</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

REPORT MONTH August, 1980

DOCKET NO. 50-247
 UNIT NAME I.P. Unit No. 2
 DATE 9-11-80
 COMPLETED BY E. Eich
 TELEPHONE 914-694-6000
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
12	8-01-80	F	11.67	A	3	N/A	CH	PUMP XX B	Low level in No. 23 S/G caused by trip of No. 22 MBFP
13	8-10-80	F	89.95	A	2	N/A	HA	HTEXCH C	Repair main turbine oil cooler

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

Indian Point Station

Docket No.	50-247
Unit	Unit No. 2
Date	September 8, 1980
Completed By	J. Makepeace
Telephone	914-739-8823

Summary of Operating Experience August, 1980

Unit No. 2 was manually tripped at 1402 hours on August 10th due to cooling water leakage into the main turbine oil system. Subsequent investigation indicated the source of inleakage to be the main turbine lube oil coolers. Testing of the coolers revealed a tube leak in the north cooler and a seal leak at the floating tube sheet of the south cooler. After repairing the defective tube and seals, a clean-up program for the main turbine oil system was initiated.

Upon completion of the turbine oil cleanup program, the Unit was returned to service at 0759 hours on August 14th and load gradually escalated to full power.

At 0735 hours on Monday, August 25, No. 21 CWP was shut-down because of high vibration. A divers inspection indicated an apparent failure of the lower pump guide bearing. Shortly after shutting the pump down, high chlorides were detected in the hotwell of No. 22 condenser. In order to isolate the condenser for repairs, it was necessary to reduce load to about 35% (~ 180 MWe) since this condenser and No. 21 condenser serve No. 21 low pressure turbine.

Following completion of repairs to No. 22 condenser, the condenser was placed back in service and the Unit returned to full load at which level it operated for the remainder of the report period.

Because of unusually high river water ambient temperatures, Unit No. 2 and the Power Authority's Unit No. 3 operated at reduced power at various times during the report period in order to maintain the temperature in the common discharge canal within the limits set forth in the site Environmental Technical Specifications.

On August 5th and 6th, a number of demonstrations sponsored by the Westchester Peoples Action Coalition were conducted near the Indian Point site. Events on both days were peaceful and orderly.

Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
06-03-80	No. 23 Service Water Pump	2C21700	Packing Leak	Repacked Pump
06-09-80	No. 22 Boric Acid Transfer Pump	2C51720	Strip Heater Connection Loose	Tightened Connection
06-11-80	No. 25 Fan Cooler Unit	2C51717	Coil Leak	Sealed Leak
06-11-80	No. 23 Fan Cooler Unit	2N51722	Service Water Leak	Sealed Leak
06-25-80	Instrument Air Dryer	2C21987	Check Valve Hanging Up	Cleaned Actuator Pinion
06-28-80	No. 24 Battery Bank	2C21105	Flash Caps Missing	Replaced Caps
07-01-80	Valve 863	2N22032	Not Stroking	Changed Valve Internal Trim
07-03-80	Instrument Air Dryer	2C21590	Timer Switches Not Working Properly	Repaired Limit Switch
07-03-80	Instrument Air Dryer	2C21613	Timer Circuit Not Operating	Freed Up Micro Switch And Adjusted Cams
07-04-80	No. 24 Service Water Pump	2C21724	Strainer Requires Renewal	Replaced Strainer
07-07-80	No. 23 Emg. Diesel Generator	2C21592	Fuel Oil Booster Pump Cover Leak	Tightened Flange Bolts
07-10-80	Valve TCV-1113	2C22028	Valve Not Stroking	Reinstalled Linkage And Reset Controls

Indian Point Station

Unit No. 2Mechanical and Electrical Maintenance

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
07-11-80	Radiation Monitor R-13	2N21484	Discharge Hose Broken	Replaced Hose
07-11-80	Heat Trace Circuit No. 30	2N22072	Wiring Ground	Renewed Wiring And Remade Loose Connections
07-16-80	No. 22 Emg. Diesel Generator	2C21593	Fuel Oil Booster Pump Cover Leak	Tightened Flange Bolts
07-16-80	No. 23 Emg. Diesel Generator	2C28674	Crank Case Cover Gasket Leak	Replaced Gaskets
07-17-80	No. 21 Emg. Diesel Generator	2C21438	Fuel Oil Booster Pump Gasket Leak	Tightened Flange Bolts
07-21-80	Valve PCV 1216A	2N22100	Defective Solenoid	Replaced Solenoid Coil
07-21-80	Valve PCV 1214A	2N22112	Defective Solenoid	Replaced Solenoid Coil
07-22-80	Control Room Ventilation	2C22012	Damper Not Working	Reconnected Actuator Arm And Adjusted Position Switch
07-25-80	No. 25 Fan Cooler Unit	2N22133	Coil Leak	Sealed Leaks

Indian Point Station

Docket No. 50-247

Unit No. 2Instrumentation and Control Repair

<u>Date</u>	<u>Component</u>	<u>MWR #</u>	<u>Malfunction</u>	<u>Corrective Action</u>
07-01-80	Radiation Monitor R-13	2N22030	Filter Paper Not Moving	Adjusted Paper Takeup Reel Clutch
07-10-80	Loop No. 24 Hot Leg RTD	2C22039	Indicates Higher Than Actual	Replaced R/E Module TT-441A

Indian Point Station

Docket No. - 50-247