OPERATING DATA REPORT

DOCKET NO. 50-286
DATE 12-1-81
COMPLETED BY C. Connell
TELEPHONE (914) 739-8200

OPERATING STATUS

1. Unit Name: Indian Point No. 3 Nuclear Power Plant
2. Reporting Period: November 1981
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): 926
7. Maximum Dependable Capacity (Net MWe): 891

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	720	8016	46,057
12. Number Of Hours Reactor Was Critical	182.1	4651.6	31,401.6
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	168.1	4549.7	30,252.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	386680	9435620	77066890
17. Gross Electrical Energy Generated (MWH)	112,440	2,618,400	24,209,901
18. Net Electrical Energy Generated (MWH)	106,396	2,471,103	23,185,263
19. Unit Service Factor	23.4	56.8	65.7
20. Unit Availability Factor	23.4	56.8	65.7
21. Unit Capacity Factor (Using MDC Net)	16.6	34.6	56.5
22. Unit Capacity Factor (Using DER Net)	15.3	31.9	52.2
23. Unit Forced Outage Rate	76.7	39.8	15.1

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling outage - February 1982

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	N/A	N/A
INITIAL ELECTRICITY	N/A	N/A
COMMERCIAL OPERATION	N/A	N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-286
UNIT Indian Point No.3
DATE 12-1-81
COMPLETED BY C. Connell
TELEPHONE 914-739-8200

MONTH November

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	646
2	0	18	668
3	0	19	670
4	0	20	788
5	0	21	819
6	0	22	346
7	0	23	95
8	0	24	0
9	0	25	0
10	0	26	0
11	0	27	0
12	0	28	0
13	0	29	0
14	0	30	0
15	0	31	-
16	400		

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 November

DOCKET NO. 50-286
UNIT NAME NO. 3
DATE 12-1-81
COMPLETED BY C. Connell
TELEPHONE 914-739-8200

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
08B	81/09/23	F	358.1	A	4	81-007/01T-0	CB	HTEXCH F	#31 Steam Generator tube leak. Eddy current inspected and plugged defective tubes in all steam generators. Performed steam generator crevice cleaning on the secondary side. METHOD OF SHUTDOWN (other) Criticality was never achieved. While in hot shutdown, a primary to secondary leak was discovered and the unit was returned to cold shutdown.
09	81/11/19	F	0	A	4		HH	INSTRU C	Load run back 800 MWe to 500 MWe due to moisture in the instrument air supply to the heater drain tank level control system, tripping both heater drain pumps. Purged effected controller

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-286
UNIT NAME NO. 3
DATE 12-1-81
COMPLETED BY C. Connell
TELEPHONE 914-739-8200

REPORT MONTH November

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
10	81/11/22	F	6.6	A	3		HH	INSTRU	Load run back from 860 MWe to 400 MWe due to a blockage of the instrument air orifice in the heater drain tank level control system tripping both heater drain pumps. Subsequently a steam flow/feed flow mismatch coincident with low level in No. 31 steam generator caused a unit trip. Cleaned flow orifice in controller.
11	81/11/23	F	187.2	A	3		CB	MOTORX	Unit trip on loss of loop flow when #31 reactor coolant pump tripped. Electrical fault in motor stator was found. Replace stator and commence startup.

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
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(9/77)

MONTHLY I & C CATEGORY I REPORT

November 1981
Month

Date	W.R. #	Equipment	Malfunction	Corrective Action
10/26/81	IC-1-1425-2	P3,P4,P5 Nuclear Inst. Detector Current Recorder	Poor inking system performance	Repaired pen mounts & cleaned capillaries
11/18/81	IC-1-1495-2	FT-981, FT-982, Safety Injection Flow Transmitter	Inspect per NUREG 50-286 and replace amlifier if necessary	Replaced amplifiers and recalibrated
11/18/81	IC-1-1496-2	LT-1128A Condensate Storage Tank Level	Inspect per NUREG 50-286 and replace amplifier if necessary	Replaced amplifier and recalibrated

MONTHLY MAINTENANCE REPORT

November 1981
Month

DATE	W.R. #	EQUIPMENT	MALFUNCTION	CORRECTIVE ACTION
10-27	1-2368	#31 thru 34 Steam Generator	Inspection	Sludge lanced tube sheet
9-22	1-2329	#32 Boric Acid transfer pump	Leaky Mechanical Seal	Rebuilt Pump
11-3	1-2393	#31 Steam Generator Shell Drain Valve	Body to Bonnet Leak	Replaced Gasket
11-14	1-2406	#31 Charging Pump	Insufficient Pump Flow	Replaced Pump Valves
11-16	1-2339	#31 & 32 Fan Cooler Units	Leaky Tubes	Soldered/Plugged Tubes on 31 & 32 Fan Cooler Units
11-13	2365	#34 Atmospheric Relief Isolation Valves	Excessive Packing Leak	Repacked
11-19	2411	#33 Service Water Pump	Excessive Packing Leak	Repacked
11-18	2410	#31 Service Water Pump	Excessive Packing Leak	Repacked
11-27	2431	Airlocks	To Permit the Transfer of Equipment into the VC	Replaced air lock

SUMMARY OF OPERATING EXPERIENCE

Indian Point Unit 3, was synchronized to the bus for a total of 170.2 hours producing a gross generation of 112,440 MWe for this reporting period. The unit experienced one load reduction and two unit trips. After steam generator tube repairs, a crevice cleaning boil out of the steam generators and a hydrostatic test of the reactor coolant system were performed.

On November 15 at 2208 hours, the unit was returned to service with both main transformers operational. Commenced load escalation consistent with maintaining reactor power distribution and steam generator chemistry within required limits.

On November 19 at 1354 hours, both heater drain tank pumps tripped due to moisture in the instrument air supply to the heater drain tank level controller resulting in a load reduction from 800 MWe to 500 MWe output. Purged heater drain tank level control transmitters and commenced plant startup. Continued load escalation and achieved 100% power level on November 20.

On November 22 at 0746 hours, both heater drain tank pumps tripped. This resulted in a load reduction and subsequent unit trip due to a steam flow/feed flow mismatch coincident with a low level in No. 31 stam generator. The pumps tripped as a result of an instrument air orifice blockage in the level control transmitters. The orifice was cleaned and the unit returned to service at 1421 hours that same day. Commenced load escalation to 100% power.

On November 23 at 0447 hours, the plant experienced a unit trip on loss of RCS loop flow when #31 Reactor Coolant Pump tripped on a phase imbalance relay signal. Investigation indicated a stator fault on the reactor coolant pump motor. Replaced stator on motor and commenced plant startup.