

POWER AUTHORITY OF THE STATE OF NEW YORK
JAMES A. FITZPATRICK NUCLEAR POWER PLANT

NARRATIVE SUMMARY OF OPERATING EXPERIENCE

FEBRUARY, 1983

The unit operated at near full thermal power for the first twenty-four days of the reporting period. On 830225 the unit tripped due to procedural inadequacy while performing turbine control valve testing. The unit returned to service on 830226.

At the end of the reporting period the unit is operating at approximately 658 MWe.

OPERATING DATA REPORT

DOCKET NO. 50-333
 DATE MARCH 1983
 COMPLETED BY J. COOK
 TELEPHONE (315) 342-3840

OPERATING STATUS

1. Unit Name: FITZPATRICK
 2. Reporting Period: 830201-830228
 3. Licensed Thermal Power (MWt): 2436
 4. Nameplate Rating (Gross MWe): 883
 5. Design Electrical Rating (Net MWe): 821
 6. Maximum Dependable Capacity (Gross MWe): 830
 7. Maximum Dependable Capacity (Net MWe): 810

Notes

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:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	672	1416	66553
12. Number Of Hours Reactor Was Critical	651.1	1110.5	47366.2
13. Reactor Reserve Shutdown Hours	0	0	0
14. Hours Generator On-Line	646.6	1080.6	46095.8
15. Unit Reserve Shutdown Hours	0	0	0
16. Gross Thermal Energy Generated (MWH)	1513656	2402616	95926474
17. Gross Electrical Energy Generated (MWH)	512820	809700	33244480
18. Net Electrical Energy Generated (MWH)	496695	783710	31648095
19. Unit Service Factor	96.2%	76.3%	69.3%
20. Unit Availability Factor	96.2%	76.3%	69.3%
21. Unit Capacity Factor (Using MDC Net)	91.3%	68.3%	62.7%
22. Unit Capacity Factor (Using DER Net)	90.0%	67.4%	57.9%
23. Unit Forced Outage Rate	3.8%	23.7%	15.9%

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

Refuel outage scheduled to commence May 21, 1983 lasting approximately 75 days.

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-333
 UNIT FITZPATRICK
 DATE MARCH 1983
 COMPLETED BY J. COOK
 TELEPHONE (315) 342-3840

MONTH FEBRUARY 1983

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>738</u>
2	<u>792</u>
3	<u>799</u>
4	<u>793</u>
5	<u>796</u>
6	<u>796</u>
7	<u>796</u>
8	<u>796</u>
9	<u>795</u>
10	<u>797</u>
11	<u>793</u>
12	<u>794</u>
13	<u>794</u>
14	<u>794</u>
15	<u>797</u>
16	<u>796</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>795</u>
18	<u>796</u>
19	<u>798</u>
20	<u>797</u>
21	<u>673</u>
22	<u>733</u>
23	<u>785</u>
24	<u>798</u>
25	<u>741</u>
26	<u>1</u>
27	<u>455</u>
28	<u>658</u>
29	<u>-</u>
30	<u>-</u>
31	<u>-</u>

SUMMARY: The FitzPatrick plant operated at near full thermal power for this reporting period with one outage on 820225 due to procedural inadequacy.

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH FEBRUARY 1983

DOCKET NO. 50-333
 UNIT NAME FITZPATRICK
 DATE MARCH 1983
 COMPLETED BY J. COOK
 TELEPHONE (315) 342-3840

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
4	830225	F	20.9	B	3	N/A	HA	N/A	Inadequate turbine control valve test procedure

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

⁵
 Exhibit I - Same Source

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SAFETY RELATED ELECTRICAL & MECHANICAL MAINTENANCE SUMMARY

FEBRUARY 1983

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
2/2/83	38	16387 CR-2	Operation of Crane	Worn Mechanical Leak- age	Replaced door latch.	24
2/3/83	46	19781 P-2B	Pump would not start	Overcurrent trip de- vices out of adjust- ment	Adjusted overcurrent trip devices.	24
1/13/83	93	18095 ECPB	Visual	Burned out lamp	Replaced lamp.	1
2/7/83	10	16210 RHR 14C	N/A	N/A	Inspected valve - found eroded disc nut - Replaced disc nut & cotter pin.	12
1/18/83	70	18088 MOD 108A	OPS	Actuator arm out of adjustment causing no shut indication	Adjusted actuator arm.	16
2/16/83	10	18170 RHR 42B	OPS	Vibration due to flow caused hanger cap screws to loosen	Replaced cap screws & welded a keeper on.	76
2/16/83	27	21502 AOV-129B	OPS	Worn actuator o-rings	Replaced O-rings.	18
2/26/83	29	19350 AOV-36C	OPS	Position indication switch out of adjust- ment	Readjusted switch.	16
2/23/83	24	16259 EOD 1 & 2	Visual	Door latch linkage bent by misuse	Straightened linkage.	6
2/28/83	10	21644 MOV-25A	Visual	Worn packing	Adjusted packing.	4

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MAINTENANCE SUMMARY

I & C MARCH 1983

DATE	SYSTEM	WORK REQUEST # COMPONENT #	HOW DETECTED	CAUSE OF MALFUNCTION	RESULTS OF MALFUNCTION	ACTION TAKEN TO PRECLUDE RECURRENCE	REPAIR TIME HOURS
2/10	07	<u>19860</u> PR-46B	OPS	Bk pen hanging up on red pen	Black pen sticking	Check clearance and calibrated	2
2/25	07	<u>21651</u> TIP-A,B,C,D	OPS	Old age	Indicator lights not working	Replaced bulbs	9
2/07	10	<u>19798</u> LS-103	OPS	Out of calibration	Did not alarm upon draining	Adjusted gain for control unit	12
2/14	10	<u>21507</u> LIS-104	OPS	Defective relay	Indicates dry	Replaced relay and calibrated	14
2/16	17	<u>19655</u> Vent Mon	OPS	Defective switch and drive motor	Source will not insert	Replaced parts and adjusted	89
2/23	17	<u>20541</u> RM-150A	JIC	Defective connector J1	Inspect and repair input con	Replaced connector J1	7
2/10	20	<u>19785</u> FR-528	OPS	Clutch slipping	Black pen broke on recorder	Adjusted clutch, zero & span	7
2/15	20	<u>19943</u> AOV-95	OPS	Change in volt from transmitter	Doesn't shut on lo level in	Adjusted to new procedure	30
2/08	76	<u>19766</u> Z-2	OPS	Defective 15-250VDC converter	Alarms spuriously	Replaced converter	8