

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250
Turkey Point
 UNIT Unit No. 3

DATE Jan. 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH DECEMBER, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>296</u>
2	<u>660</u>
3	<u>662</u>
4	<u>666</u>
5	<u>663</u>
6	<u>377</u>
7	<u>340</u>
8	<u>478</u>
9	<u>666</u>
10	<u>670</u>
11	<u>667</u>
12	<u>666</u>
13	<u>671</u>
14	<u>672</u>
15	<u>673</u>
16	<u>672</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>670</u>
18	<u>676</u>
19	<u>680</u>
20	<u>677</u>
21	<u>674</u>
22	<u>671</u>
23	<u>670</u>
24	<u>670</u>
25	<u>672</u>
26	<u>663</u>
27	<u>673</u>
28	<u>678</u>
29	<u>677</u>
30	<u>676</u>
31	<u>625</u>

NOTE: Average daily power level greater than 666 MWe due to cooler condenser cooling water.

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)

8004240422

OPERATING DATA REPORT

DOCKET NO. 50-250
 DATE Jan. 6, 1979
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

OPERATING STATUS

1. Unit Name: Turkey Point Unit No. 3
2. Reporting Period: December, 1978
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 728
5. Design Electrical Rating (Net MWe): 693
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 666
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit No. 3 operated at approximately 100% R.P. except for outages on Dec. 6, 7, and 7-8, 1978, and load reductions on Dec. 1, and 6, 1978.

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	744.0	8 760.0	53 241.6
12. Number Of Hours Reactor Was Critical	735.1	7 346.5	42 572.4
13. Reactor Reserve Shutdown Hours	-0-	83.5	194.6
14. Hours Generator On-Line	723.9	7 090.9	41 177.3
15. Unit Reserve Shutdown Hours	-0-	12.3	98.3
16. Gross Thermal Energy Generated (MWH)	1 551 960	14 992 756	81 766 948
17. Gross Electrical Energy Generated (MWH)	493 520	4 750 085	26 034 430
18. Net Electrical Energy Generated (MWH)	469 210	4 500 527	24 647 177
19. Unit Service Factor	97.3	80.9	77.3
20. Unit Availability Factor	97.3	81.1	77.5
21. Unit Capacity Factor (Using MDC Net)	94.7	77.1	70.1
22. Unit Capacity Factor (Using DER Net)	91.0	74.1	66.8
23. Unit Forced Outage Rate	2.7	1.2	2.6

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

Scheduled refueling, maintenance, and inspections - January 1 - March 24, 1979.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A

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

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1978

Page 1 of 2

DOCKET NO. 50 - 250UNIT NAME Turkey Point Unit No. 3DATE Jan. 6, 1979COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3824

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
32	78-11-28	F	-0-	A	4	N/A	HC	HTEXCH (D)	Unit was operated at approximately 50% R.P. to repair condenser tube leak. (continued from previous month) (Non-nuclear system)
33	78-12-06	F	-0-	A	4	N/A	HC	HTEXCH (D)	Load reduction to repair condenser tube leak. (Non-nuclear system)
34	78-12-06	F	2.2	A	3	N/A	IA	RELAYX (X)	Unit was tripped by the reactor protection system caused by the spurious actuation of underfrequency relay No. 3B2. Corrective actions included replacing the faulty underfrequency relay. (Nuclear system)

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 250

UNIT NAME Turkey Point Unit No. 3

DATE Jan. 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

REPORT MONTH DECEMBER, 1978

Page 2 of 2

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
35	78-12-06	F	8.5	H	3	N/A	IIB	INSTRU (T)	Unit was tripped by reactor protection system caused by erroneous steam flow signal. Corrective actions included restoring turbine first stage pressure transmitter to normal operation. (Non-nuclear system)
36	78-12-07	F	9.5	A	3	N/A	HH	VALVOP (D)	Unit was tripped by steam generator No. 3B level protection system when the feedwater control valve closed suddenly. Corrective actions included repair and calibration of a faulty level transmitter. (Non-nuclear system)

- 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

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251
Turkey Point
 UNIT Unit No. 4

DATE Jan. 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH DECEMBER, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	644
2	545
3	---
4	---
5	---
6	---
7	---
8	---
9	---
10	---
11	17
12	320
13	177
14	292
15	307
16	290

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	203
18	226
19	310
20	304
21	278
22	293
23	192
24	224
25	233
26	232
27	231
28	235
29	228
30	230
31	235

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)

OPERATING DATA REPORT

DOCKET NO. 50-251
 DATE Jan. 6, 1979
 COMPLETED BY V.T. Chilson
 TELEPHONE (305) 552-3824

OPERATING STATUS

1. Unit Name: Turkey Point Unit No. 4
2. Reporting Period: December, 1978
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 728
5. Design Electrical Rating (Net MWe): 693
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 666
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit No. 4 operated at approximately 50% R.P. to extend operation of Core Cycle V after the Unit was returned to service on Dec. 11, 1978, except for outages of Dec. 11, and 13-14 and load reduction on Dec. 17-18, and 23-25, 1978.

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	<u>744.0</u>	<u>8 760.0</u>	<u>46 969.0</u>
12. Number Of Hours Reactor Was Critical	<u>537.2</u>	<u>6 874.8</u>	<u>34 347.7</u>
13. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>138.8</u>
14. Hours Generator On-Line	<u>518.1</u>	<u>6 695.8</u>	<u>32 819.1</u>
15. Unit Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
16. Gross Thermal Energy Generated (MWH)	<u>561 513</u>	<u>13 054 199</u>	<u>68 139 867</u>
17. Gross Electrical Energy Generated (MWH)	<u>164 280</u>	<u>4 011 800</u>	<u>21 835 725</u>
18. Net Electrical Energy Generated (MWH)	<u>149 249</u>	<u>3 788 220</u>	<u>20 684 705</u>
19. Unit Service Factor	<u>69.6</u>	<u>76.4</u>	<u>69.9</u>
20. Unit Availability Factor	<u>69.6</u>	<u>76.4</u>	<u>69.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>30.1</u>	<u>64.9</u>	<u>66.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>28.9</u>	<u>62.4</u>	<u>63.5</u>
23. Unit Forced Outage Rate	<u>2.3</u>	<u>0.6</u>	<u>2.8</u>

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

Scheduled refueling, maintenance, and inspections - March 24 - May 19, 1979

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
<u> </u>	<u> </u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 251UNIT NAME Turkey Point Unit No. 4DATE Jan. 6, 1979COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3824REPORT MONTH DECEMBER, 1978

Page 1 of 2

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
17	78-12-02	S	213.9	B	1	N/A	CB	PUMPXX (B)	Unit No. 4 was removed from service to repair reactor coolant pump No. 4A shaft seal system. Corrective actions included installing new No. 2 seal assembly. (Nuclear system)
18	78-12-11	F	1.4	A	3	N/A	HH	ZZZZZZ	Unit was tripped by steam generator No. 4A level protection system due to a transient condition while increasing load after the unit was returned to service. (Non-nuclear system)
19	78-12-11	S	-0-	F	4	N/A	ZZ	ZZZZZZ	Load was reduced to approximately 50% R.P. to extend operation of Core Cycle V.

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

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1978

Page 2 of 2

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point Unit No. 4
 DATE Jan. 6, 1979
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

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
20	78-12-13	F	10.7	B	4	N/A	CB	MOTORX	Unit No. 4 was removed from service to check oil level in reactor coolant pump No. 4A motor. Corrective actions included verifying correct oil level. (Nuclear system)
21	78-12-17	F	-0-	A	4	N/A	HC	HTEXCH (D)	Load reduction to approximately 200 MWe to repair condenser tube leak. (Non-nuclear system)
22	78-12-23	S	-0-	F	4	N/A	ZZ	ZZZZZZ	Load reduction to approximately 200 MWe due to system load requirements and to extend operation of Core Cycle V.

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
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 Entry Sheets for Licensee
 Event Report (LER) File (NUREG-
 0161)

5
 Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335
St. Lucie

UNIT Unit No. 1

DATE Jan. 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH DECEMBER, 1978

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>786</u>
2	<u>786</u>
3	<u>785</u>
4	<u>785</u>
5	<u>768</u>
6	<u>676</u>
7	<u>752</u>
8	<u>783</u>
9	<u>786</u>
10	<u>785</u>
11	<u>784</u>
12	<u>775</u>
13	<u>727</u>
14	<u>37</u>
15	<u>---</u>
16	<u>12</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>764</u>
18	<u>790</u>
19	<u>790</u>
20	<u>793</u>
21	<u>791</u>
22	<u>790</u>
23	<u>790</u>
24	<u>788</u>
25	<u>787</u>
26	<u>787</u>
27	<u>787</u>
28	<u>771</u>
29	<u>774</u>
30	<u>791</u>
31	<u>790</u>

NOTE: Average daily power level greater than 777 MWe due to cooler condenser cooling water.

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.

OPERATING DATA REPORT

DOCKET NO. 50-335
 DATE Jan. 6, 1979
 COMPLETED BY V.T. Chilson
 TELEPHONE (305) 552-3824

OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: December, 1978
3. Licensed Thermal Power (MWt): 2560
4. Nameplate Rating (Gross MWe): 850
5. Design Electrical Rating (Net MWe): 802
6. Maximum Dependable Capacity (Gross MWe): 822
7. Maximum Dependable Capacity (Net MWe): 777
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit operated at approximately 100% R.P. except for outage of Dec. 14-16, 1978.

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	744.0	8 760.0	17 784.0
12. Number Of Hours Reactor Was Critical	683.1	6 887.4	14 787.5
13. Reactor Reserve Shutdown Hours	-0-	16.9	118.5
14. Hours Generator On-Line	679.8	6 677.5	14 359.2
15. Unit Reserve Shutdown Hours	-0-	21.0	21.0
16. Gross Thermal Energy Generated (MWH)	1 705 329	16 368 934	34 218 148
17. Gross Electrical Energy Generated (MWH)	554 360	5 312 190	11 106 950
18. Net Electrical Energy Generated (MWH)	523 194	5 000 261	10 442 838
19. Unit Service Factor	91.4	76.2	80.7
20. Unit Availability Factor	91.4	76.5	80.9
21. Unit Capacity Factor (Using MDC Net)	90.5	73.5	75.6
22. Unit Capacity Factor (Using DER Net)	87.7	71.2	73.2
23. Unit Forced Outage Rate	8.6	1.9	6.4

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Scheduled refueling, maintenance, and inspections - April 1 - May 26, 1979.

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY
 INITIAL ELECTRICITY
 COMMERCIAL OPERATION

Forecast	Achieved
_____	_____
_____	_____
_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH DECEMBER, 1978

DOCKET NO. 50 - 335

UNIT NAME St. Lucie Unit No. 1

DATE Jan. 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

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
23	78-12-14	F	64.2	A	1	N/A	CB	VESSEL (B)	Unit was removed from service to replace failed gasket on pressurizer manway closure. (Nuclear system)

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




January 6, 1979

Office of Management Information
and Program Controls
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

Attached are the December, 1978, Operating Summary Reports
for Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit
No. 1.

Very truly yours,


A. D. Schmidt
Vice President
Power Resources

VTC/DDC

cc: Mr. James P. O'Reilly
Robert Lowenstein, Esquire

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50 - 250

UNIT Turkey Point
Unit No. 3

DATE January 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

REPORT MONTH DECEMBER, 1978

Unit operated at approximately 100% R.P. except for outages on December 6, 7, and 7-8, 1978, and load reductions of December 1, and 6, 1978. Refer to "Unit Shutdowns and Power Reductions" section of the December, 1978, Operating Status Report for additional information.

No Major Safety-related maintenance was performed during the month.

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50 - 251

UNIT Turkey Point
Unit No. 4

DATE January 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

REPORT MONTH DECEMBER, 1978

Unit operated at approximately 50% R.P. to extend operation of Core Cycle V after the unit was returned to service on December 11, 1978, except for outages of December 11, and 13-14 and load reductions on December 17-18, and 23-25, 1978. Refer to "Unit Shutdowns and Power Reductions" section of the December, 1978, Operating Status Report for additional information.

No Major Safety-related maintenance was performed during the month.

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50 - 335

UNIT St. Lucie
Unit No. 1

DATE January 6, 1979

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

REPORT MONTH DECEMBER, 1978

Unit operated at approximately 100% R.P. except for outage of December 14-16, 1978. Refer to "Unit Shutdowns and Power Reductions" section of the December, 1978, Operating Status Report for additional information.

Major Safety-related maintenance activities performed during the month included:

Replaced failed gasket on pressurizer manway closure.



10-10-10