

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-250
 UNIT Turkey Point Unit 3
 DATE January 15, 1988
 COMPLETED BY N.W. Grant
 TELEPHONE (305) 694-4432

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL (M We-Net)

12/ 1/87	-6
12/ 2/87	-6
12/ 3/87	-7
12/ 4/87	-4
12/ 5/87	-5
12/ 6/87	-5
12/ 7/87	-7
12/ 8/87	-10
12/ 9/87	-9
12/10/87	-8
12/11/87	-8
12/12/87	-9
12/13/87	-9
12/14/87	-10
12/15/87	-10
12/16/87	-15
12/17/87	-17
12/18/87	-19
12/19/87	-16
12/20/87	-20
12/21/87	-22
12/22/87	26
12/23/87	182
12/24/87	285
12/25/87	76
12/26/87	-23
12/27/87	154
12/28/87	269
12/29/87	185
12/30/87	-23
12/31/87	73

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8801210018 871231
 PDR ADOCK 05000256
 R DCD

OPERATING DATA REPORT

DOCKET NO 50 - 250
 DATE 1/12/88
 COMPLETED BY N. W. GRANT
 TELEPHONE 305/694/4432

OPERATING STATUS

1. UNIT NAME: TURKEY POINT UNIT 3
2. REPORTING PERIOD: DECEMBER 1987
3. LICENSED THERMAL POWER (MWT): _____ 2200
4. NAMEPLATE RATING (GROSS MWE): _____ 760
5. DESIGN ELECTRICAL RATING (NET MWE): _____ 693
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): _____ 699
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): _____ 666
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: _____

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744	8760	132129.6
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	162.4	1909.8	87975.7
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	844.4
14. HOURS GENERATOR ON-LINE _____	141.2	1567.7	86835.1
15. UNIT RESERVE SHUTDOWN HOURS _____	0	0	121.8
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	127764	2958856	179804263
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	34940	963150	57598001
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	23047	856146	54478786
19. UNIT SERVICE FACTOR _____	19.0	17.9	65.7
20. UNIT AVAILABILITY FACTOR _____	19.0	17.9	65.8
21. CAPACITY FACTOR (USING MDC NET) _____	4.7	14.7	63.2
22. CAPACITY FACTOR (USING DER NET) _____	4.5	14.1	59.5
23. UNIT FORCED OUTAGE RATE _____	81.0	65.8	10.7
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : _____			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

Page 1 of 2
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-250
 UNIT NAME Turkey Point Unit #3
 DATE January 15, 1988
 COMPLETED BY N. W. Grant
 TELEPHONE (305) 694-4432

REPORT MONTH December 1987

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
08	870925	F	175.0	A	4	250-87-30	CF	PUMPXX	Unit #3 remained shutdown to complete a design modification to RHR pump recirculating lines which corrected a potential inadequacy in the common minimum recirculating piping design.
09	871214	F	147.0	A	1		CG	VALVEX	The shutdown was further extended to repair A level control valve on RCS letdown. Additional outage time was required to re-mount the actuation solenoid on the containment purge valve, repair the power supply breaker to the radiation monitors, and to replace couplings on the 3A intake cooling water pump. The unit commenced power operations.

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 - Continued
 5 - Load Reduction
 9 - Other (Explain)

4
 Exhibit G- Instructions
 for Preparation of Data
 Entry Scheets Licensee
 Event Report (LER) File
 (NUREG-0161)
5
 Exhibit 1 - Same Source

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-250UNIT NAME Turkey Point Unit #3DATE January 15, 1988COMPLETED BY N.W. GrantREPORT MONTH December 1987TELEPHONE (305) 694-4432

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	871225	F	39.0	A	1	250-87-33	IA	INSTRU	While attempting a control shutdown due to pressurizer control problem an automatic trip occurred due to a spike in the source range nuclear instrument. After a short delay the unit began to return to power.
11	871229	F	44.2	A	2	250-87-34	IA	RELAYX	While attempting to return to full power the reactor was manually tripped when decreasing electrical load was noted due to a stuck relay in the generator protection circuitry. The unit is preparing to return to power.

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
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4

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Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-250
UNIT Turkey Point Unit #3
DATE January 15, 1988
COMPLETED BY N. W. Grant
TELEPHONE (305) 694-4432

REPORT MONTH December 1987

See the "Unit Shutdowns and Power Reductions" report.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-251
UNIT Turkey Point Unit 4
DATE January 15, 1988
COMPLETED BY N.W. Grant
TELEPHONE (305) 694-4432

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL
(M We-Net)

12/ 1/87	-16
12/ 2/87	-15
12/ 3/87	-21
12/ 4/87	146
12/ 5/87	431
12/ 6/87	690
12/ 7/87	704
12/ 8/87	704
12/ 9/87	701
12/10/87	701
12/11/87	700
12/12/87	660
12/13/87	429
12/14/87	703
12/15/87	697
12/16/87	654
12/17/87	649
12/18/87	572
12/19/87	326
12/20/87	696
12/21/87	691
12/22/87	691
12/23/87	691
12/24/87	694
12/25/87	695
12/26/87	695
12/27/87	695
12/28/87	694
12/29/87	695
12/30/87	700
12/31/87	704

OPERATING DATA REPORT

DOCKET NO 50 - 251
 DATE 1/12/88
 COMPLETED BY N. W. GRANT
 TELEPHONE 305/694/4432

OPERATING STATUS

1. UNIT NAME: TURKEY POINT UNIT 4
2. REPORTING PERIOD: DECEMBER 1987
3. LICENSED THERMAL POWER (MWT): 2200
4. NAMEPLATE RATING (GROSS MWE): 760
5. DESIGN ELECTRICAL RATING (NET MWE): 693
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 699
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 666
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: _____

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744	8760	125861.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	693.4	4503.2	85186.5
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	166.6
14. HOURS GENERATOR ON-LINE _____	664.9	4318.9	82206.1
15. UNIT RESERVE SHUTDOWN HOURS _____	0	0	32.1
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1363947	8692035	173455623
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	448566	2814916	55299764
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	426044	2636070	52318782
19. UNIT SERVICE FACTOR _____	89.4	49.3	65.3
20. UNIT AVAILABILITY FACTOR _____	89.4	49.3	65.3
21. CAPACITY FACTOR (USING MDC NET) _____	86.0	45.2	63.7
22. CAPACITY FACTOR (USING DER NET) _____	82.6	43.4	60.0
23. UNIT FORCED OUTAGE RATE _____	10.6	50.7	10.8
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS : _____			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-251UNIT NAME Turkey Point Unit, #4DATE January 15, 1988COMPLETED BY N. W. GrantTELEPHONE (305) 694-4432REPORT MONTH December 1987

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
06	871012	F	79.1	H	4		XX	VALVEX	Unit #4 remained shutdown to facilitate repair leaks found during over-pressure testing, to balance the 4B reactor coolant pump, and auxiliary feedwater pump testing. The unit returned to full power operation.
07	871213	F	0.0	A	5		HE	VALVEX	A load reduction was performed due to the unplanned closing of a turbine intercept valve. During the outage additional work on a leaking water box cover and the test of the turbine control valve test was performed and the unit returned to full power operation.

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 - Continued
5 - Load Reduction
9 - Other (Explain)

4

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

5

Exhibit 1 - Same Source

Page 2 of 2
UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-251

UNIT NAME Turkey Point Unit #4

DATE January 15, 1988

COMPLETED BY N. W. Grant

REPORT MONTH December 1987

TELEPHONE (305) 694-4432

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
08	871219	F	0.0	5	1	251-87-28	CF	PUMPXX	Two intake cooling water pumps were found to be inoperable and power reduction was commenced. Power was held at 50% until repairs were made. The unit commenced return to power.

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 - Continued
5 - Load Reduction
9 - Other (Explain)

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SUMMARY OF OPERATING EXPERIENCE

DOCKET NO. 50-251

UNIT Turkey Point Unit #4

DATE January 15, 1988

COMPLETED BY N. W. Grant

TELEPHONE (305) 694-4432

REPORT MONTH December 1987

See the "Unit Shutdowns and Power Reductions" report.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-335
UNIT St. Lucie Unit 1
DATE January 15, 1988
COMPLETED BY N.W. Grant
TELEPHONE (305) 694-4432

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL
(M We-Net)

12/ 1/87	860
12/ 2/87	859
12/ 3/87	859
12/ 4/87	860
12/ 5/87	863
12/ 6/87	865
12/ 7/87	865
12/ 8/87	863
12/ 9/87	860
12/10/87	858
12/11/87	857
12/12/87	859
12/13/87	859
12/14/87	858
12/15/87	857
12/16/87	856
12/17/87	860
12/18/87	861
12/19/87	860
12/20/87	860
12/21/87	591
12/22/87	647
12/23/87	860
12/24/87	859
12/25/87	859
12/26/87	859
12/27/87	859
12/28/87	858
12/29/87	838
12/30/87	843
12/31/87	864

OPERATING DATA REPORT

DOCKET NO 50 - 335
 DATE 1/12/88
 COMPLETED BY N. W. GRANT
 TELEPHONE 305/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 1
2. REPORTING PERIOD: DECEMBER 1987
3. LICENSED THERMAL POWER (MWT): 2700
4. NAMEPLATE RATING (GROSS MWE): 850
5. DESIGN ELECTRICAL RATING (NET MWE): 830
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 872
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 839
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: _____

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744	8760	96672.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	738.1	6971.8	71544.4
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	205.3
14. HOURS GENERATOR ON-LINE _____	735.3	6814.3	70969.9
15. UNIT RESERVE SHUTDOWN HOURS _____	0	0	39.3
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1973080	18128479	181347670
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	660520	6038440	59523585
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	627235	5715344	56201167
19. UNIT SERVICE FACTOR _____	98.8	77.8	73.4
20. UNIT AVAILABILITY FACTOR _____	98.8	77.8	73.5
21. CAPACITY FACTOR (USING MDC NET) _____	100.5	77.8	72.4
22. CAPACITY FACTOR (USING DER NET) _____	101.6	78.6	71.2
23. UNIT FORCED OUTAGE RATE _____	1.2	4.7	4.0
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335

UNIT NAME St. Lucie Unit #1

DATE January 15, 1988

COMPLETED BY N. W. Grant

TELEPHONE (305) 694-4432

REPORT MONTH December 1987

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
14	871221	F	8.7	A	1	335-87-017	IA	ZZZZZZ	Unit #1 tripped due to reactor protection system configuration coincident with a loss of an instrument inverter due to error. Error was assessed and the unit returned to full power operation.

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 - Continued
5 - Load Reduction
9 - Other (Explain)

4
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(NUREG-0161)

5
Exhibit 1 - Same Source



SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.	<u>50-335</u>
UNIT	<u>St. Lucie Unit #1</u>
DATE	<u>January 15, 1988</u>
COMPLETED BY	<u>N. W. Grant</u>
TELEPHONE	<u>(305) 694-4432</u>

REPORT MONTH December 1987

See the "Unit Shutdowns and Power Reductions" report.

In accordance with requirements of Technical Specifications 6.9.1.6, there were no challenges to PORV or safety valves during the report month.

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-389
UNIT St. Lucie Unit 2
DATE January 15, 1988
COMPLETED BY N.W. Grant
TELEPHONE (305) 694-4432

MONTH December, 1987

DAY AVERAGE DAILY POWER LEVEL (M We-Net)

12/ 1/87	90
12/ 2/87	555
12/ 3/87	691
12/ 4/87	791
12/ 5/87	860
12/ 6/87	863
12/ 7/87	864
12/ 8/87	865
12/ 9/87	863
12/10/87	861
12/11/87	861
12/12/87	862
12/13/87	863
12/14/87	864
12/15/87	865
12/16/87	862
12/17/87	862
12/18/87	863
12/19/87	865
12/20/87	865
12/21/87	841
12/22/87	818
12/23/87	863
12/24/87	864
12/25/87	863
12/26/87	863
12/27/87	862
12/28/87	861
12/29/87	863
12/30/87	865
12/31/87	865

OPERATING DATA REPORT

DOCKET NO 50 - 389
 DATE 1/12/88
 COMPLETED BY N. W. GRANT
 TELEPHONE 305/694/4432

OPERATING STATUS

1. UNIT NAME: ST. LUCIE UNIT 2
2. REPORTING PERIOD: DECEMBER 1987
3. LICENSED THERMAL POWER (MWT): 2700
4. NAMEPLATE RATING (GROSS MWE): 850
5. DESIGN ELECTRICAL RATING (NET MWE): 830
6. MAXIMUM DEPENDABLE CAPACITY (GROSS MWE): 882
7. MAXIMUM DEPENDABLE CAPACITY (NET MWE): 839
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: _____

	MONTHLY	-YTD-	CUMULATIVE
11. HOURS IN REPORT PERIOD: _____	744	8760	38569.0
12. NUMBER OF HOURS REACTOR WAS CRITICAL _____	741.5	7382.4	32758.0
13. REACTOR RESERVE SHUTDOWN HOURS _____	0.0	0.0	0.0
14. HOURS GENERATOR ON-LINE _____	731.9	7209.8	32037.6
15. UNIT RESERVE SHUTDOWN HOURS _____	0	0	0
16. GROSS THERMAL ENERGY GENERATED (MWH) _____	1912453	18958739	82996640
17. GROSS ELECTRICAL ENERGY GENERATED (MWH) _____	642280	6294510	27688660
18. NET ELECTRICAL ENERGY GENERATED (MWH) _____	608674	5950184	26167788
19. UNIT SERVICE FACTOR _____	98.4	82.3	83.1
20. UNIT AVAILABILITY FACTOR _____	98.4	82.3	83.1
21. CAPACITY FACTOR (USING MDC NET) _____	97.5	81.0	82.9
22. CAPACITY FACTOR (USING DER NET) _____	98.6	81.8	82.7
23. UNIT FORCED OUTAGE RATE _____	1.6	10.3	8.6
24. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS :			

25. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: _____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-389

UNIT NAME St. Lucie Unit #2

DATE January 15, 1988

COMPLETED BY N. W. Grant

TELEPHONE (305) 694-4432

REPORT MONTH December 1987

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
13	871125	F	12.1	A	4		HA	GENERA	The unit tripped on loss of load due to primary generator lockout resulting from loss of excitation. The #9 bearing failed which resulted in damage to the permanent magnet generator. Repairs were made and the unit returned to power.

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 - Continued
5 - Load Reduction
9 - Other (Explain)

4

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

5

Exhibit 1 - Same Source

SUMMARY OF OPERATING EXPERIENCE

DOCKET NO.	<u>50-389</u>
UNIT	<u>St. Lucie Unit #2</u>
DATE	<u>January 15, 1988</u>
COMPLETED BY	<u>N. W. Grant</u>
TELEPHONE	<u>(305) 694-4432</u>

REPORT MONTH December 1987

See the "Unit Shutdowns and Power Reductions" report.

In accordance with requirements of Technical Specifications 6.9.1.6, there were no challenges to PORV or safety valves during the report month.

