

50-250/257

NRC DISTRIBUTION for PART 50 DOCKET MATERIAL

FILE NUMBER

MONTHLY REPORT

TO:
N. R. C.FROM:
Florida Power & Light Co.
Miami, Fla.
A. D. Schmidt

DATE OF DOCUMENT

4/4/77

DATE RECEIVED

4/13/77

☒ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 515 REC

DESCRIPTION

LETTER TRANS THE FOLLOWING:

ACKNOWLEDGED

(1-P)

PLANT NAME:

Turkey Point Units 3 & 4

RJL

DO NOT REMOVE

ENCLOSURE

MONTHLY REPORT FOR MARCH, 1977
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

(9-P)

SAFETY

FOR ACTION/INFORMATION

ENVIRO

MIPC

U/4 CYS FOR ACTION

INTERNAL DISTRIBUTION

REG FILE

REG PDR

NEDONALD

S. CHAFFMAN

BRANCH CHIEF (L)

LIC. ASST. (L)

Lear
Parrish

EXTERNAL DISTRIBUTION

DPDR: Miami, Fla

TIC

NSIC

CONTROL NUMBER

771040451



REGULATORY DOCKET FILE COPY

April 4, 1977

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

50-250/251

Gentlemen:

Attached are the March, 1977 Operating Status Reports for
Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit No. 1.

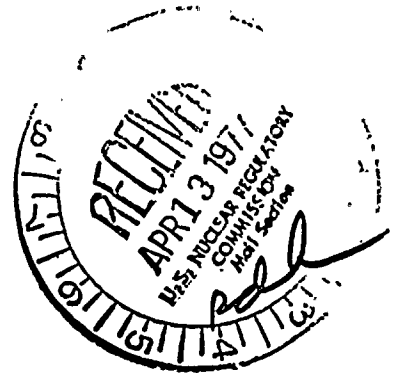
Maximum Dependable Capacity (MWe-Net) for St. Lucie Unit
No. 1 was revised from 802 MWe-Net to 777 MWe-Net (Estimated).
The revised capacity was calculated using anticipated summer
conditions and data obtained when the unit was operating at
100% R.P.

Very truly yours,

for J.R. Bensen
A. D. Schmidt
Vice President
Power Resources

VTC/DDC

cc: Mr. Norman C. Moseley
Robert Lowenstein, Esquire



771040451

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

Turkey Point
UNIT Unit No. 3

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH March, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>684</u>
2	<u>686</u>
3	<u>690</u>
4	<u>685</u>
5	<u>683</u>
6	<u>679</u>
7	<u>677</u>
8	<u>681</u>
9	<u>690</u>
10	<u>688</u>
11	<u>685</u>
12	<u>681</u>
13	<u>679</u>
14	<u>674</u>
15	<u>668</u>
16	<u>671</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>672</u>
18	<u>670</u>
19	<u>671</u>
20	<u>669</u>
21	<u>667</u>
22	<u>669</u>
23	<u>673</u>
24	<u>676</u>
25	<u>686</u>
26	<u>692</u>
27	<u>690</u>
28	<u>686</u>
29	<u>685</u>
30	<u>678</u>
31	<u>678</u>

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



APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 250

Turkey Point
UNIT Unit No. 3

REPORT MONTH March, 1977

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,03,01 GROSS HOURS IN REPORTING PERIOD: 744.0
THROUGH 2400,77,03,31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 2200
MAX. DEPEND. CAPACITY (MWe-Net): 666
DESIGN ELECTRICAL RATING (MWe-Net): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>744.0</u>	<u>1 794.6</u>	<u>29 834.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>744.0</u>	<u>1 666.9</u>	<u>28 706.1</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>85.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 629 974</u>	<u>3 538 470</u>	<u>55 268 058</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>530 368</u>	<u>1 153 360</u>	<u>17 723 811</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>505 511</u>	<u>1 094 112</u>	<u>16 770 047</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0</u>	<u>83.1</u>	<u>78.7</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0</u>	<u>83.1</u>	<u>78.9</u>
14. UNIT SERVICE FACTOR.....	<u>100.0</u>	<u>77.2</u>	<u>75.7</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0</u>	<u>77.2</u>	<u>76.0</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>102.0⁽¹⁾</u>	<u>76.1</u>	<u>67.4</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>98.0</u>	<u>73.1</u>	<u>63.9</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>1.5</u>	<u>2.8</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	<u> </u>	<u> </u>
INITIAL ELECTRICITY	<u> </u>	<u> </u>
COMMERCIAL OPERATION	<u> </u>	<u> </u>

NOTE: (1) Unit Capacity Factor (using MDC) greater than 100% due to cooler condenser cooling water.

- ;) REASON
 A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINT. OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION
 E: OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1977

DOCKET NO. 50 - 250

UNIT NAME Turkey Point Unit No. 3

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

- ;) METHOD
 1: MANUAL
 2: MANUAL SCRAM
 3: AUTOMATIC SCRAM
 4: OTHER (EXPLAIN)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
						<u>NONE</u>

SUMMARY: Unit No. 3 operated at approximately 100% R.P. during month.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

Turkey Point
UNIT Unit No. 4

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH March, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>686</u>
2	<u>688</u>
3	<u>690</u>
4	<u>685</u>
5	<u>680</u>
6	<u>677</u>
7	<u>673</u>
8	<u>675</u>
9	<u>675</u>
10	<u>677</u>
11	<u>676</u>
12	<u>671</u>
13	<u>671</u>
14	<u>665</u>
15	<u>661</u>
16	<u>609</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>662</u>
18	<u>662</u>
19	<u>663</u>
20	<u>319</u>
21	<u>---</u>
22	<u>---</u>
23	<u>---</u>
24	<u>---</u>
25	<u>---</u>
26	<u>---</u>
27	<u>644</u>
28	<u>677</u>
29	<u>683</u>
30	<u>679</u>
31	<u>672</u>

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

APPENDIX C
OPERATING DATA REPORT

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

REPORT MONTH March, 1977

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,03,01 GROSS HOURS IN REPORTING PERIOD: 744.0
 THROUGH 2400,77,03,31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 2200
 MAX. DEPEND. CAPACITY (MWe-Net): 666
 DESIGN ELECTRICAL RATING (MWe-Net): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>597.3</u>	<u>1 783.4</u>	<u>23 505.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>138.8</u>
7. HOURS GENERATOR ON LINE.....	<u>591.3</u>	<u>1 764.2</u>	<u>22 306.2</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 280 629</u>	<u>3 830 353</u>	<u>46 889 723</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>414 125</u>	<u>1 251 665</u>	<u>15 209 348</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>393 600</u>	<u>1 190 501</u>	<u>14 420 967</u>
12. REACTOR SERVICE FACTOR.....	<u>80.3</u>	<u>82.6</u>	<u>74.4</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>80.3</u>	<u>82.6</u>	<u>74.8</u>
14. UNIT SERVICE FACTOR.....	<u>79.5</u>	<u>81.7</u>	<u>70.6</u>
15. UNIT AVAILABILITY FACTOR.....	<u>79.5</u>	<u>81.7</u>	<u>70.6</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>79.4</u>	<u>82.8</u>	<u>69.2</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>76.3</u>	<u>79.5</u>	<u>65.8</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.0</u>	<u>3.3</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
 Refueling, maintenance, and inspections - April 25 through June 11, 1977.
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

1) REASON

A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINT. OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION
 E: OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1977DOCKET NO. 50 - 251UNIT NAME Turkey Point Unit No. 4DATE April 4, 1977COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3769

2) METHOD

1: MANUAL
 2: MANUAL SCRAM
 3: AUTOMATIC SCRAM
 4: OTHER (EXPLAIN)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
3	77-03-20	S	152.7	A	1	Unit No. 4 was removed from service to repair steam generator No. 4C tube leak. Corrective actions included plugging one leaking tube. One additional tube was plugged. (Nuclear System)

SUMMARY: Unit No. 4 operated at approximately 100% R.P. except for outage of March 20 - 26, 1977.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335
St. Lucie
UNIT Unit No. 1

DATE April 4, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH March, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>732</u>
2	<u>788</u>
3	<u>787</u>
4	<u>741</u>
5	<u>488</u>
6	<u>784</u>
7	<u>783</u>
8	<u>791</u>
9	<u>725</u>
10	<u>767</u>
11	<u>621</u>
12	<u>161</u>
13	<u>371</u>
14	<u>375</u>
15	<u>375</u>
16	<u>371</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>358</u>
18	<u>390</u>
19	<u>642</u>
20	<u>729</u>
21	<u>780</u>
22	<u>786</u>
23	<u>789</u>
24	<u>793</u>
25	<u>794</u>
26	<u>733</u>
27	<u>789</u>
28	<u>778</u>
29	<u>797</u>
30	<u>760</u>
31	<u>786</u>

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

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 335
 UNIT St. Lucie
Unit No. 1

REPORT MONTH March, 1977

DATE April 4, 1977

COMPLETED BY V. T. Chilson

OPERATING STATUS

TELEPHONE (305) 552-3769

1. REPORTING PERIOD: 0001.77.03.01 GROSS HOURS IN REPORTING PERIOD: 744.0
 THROUGH 2400.77.03.31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2560
 MAX-DEPEND. CAPACITY (MWe-Net): 777 (Est.)
 DESIGN ELECTRICAL RATING (MWe-Net): 802
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>744.0</u>	<u>2 106.2</u>	<u>2 370.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
7. HOURS GENERATOR ON LINE.....	<u>736.4</u>	<u>2 035.6</u>	<u>2 299.6</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 592 703</u>	<u>4 299 297</u>	<u>4 646 900</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>519 150</u>	<u>1 411 960</u>	<u>1 520 230</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>487 915</u>	<u>1 321 922</u>	<u>1 420 927</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0</u>	<u>97.5</u>	<u>97.8</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0</u>	<u>97.5</u>	<u>97.8</u>
14. UNIT SERVICE FACTOR.....	<u>99.0</u>	<u>94.2</u>	<u>94.9</u>
15. UNIT AVAILABILITY FACTOR.....	<u>99.0</u>	<u>94.2</u>	<u>94.9</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>84.4</u>	<u>78.8</u>	<u>75.4</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>81.8</u>	<u>76.3</u>	<u>73.1</u>
18. UNIT FORCED OUTAGE RATE.....	<u>1.0</u>	<u>2.7</u>	<u>2.4</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
 20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:
 21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):
- | | FORECAST | ACHIEVED |
|----------------------|-------------------|-------------------|
| INITIAL CRITICALITY | <u> </u> | <u> </u> |
| INITIAL ELECTRICITY | <u> </u> | <u> </u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |

1) REASON

A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINT. OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION
 E: OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH March, 1977DOCKET NO. 50 - 335UNIT NAME St. Lucie Unit No. 1DATE April 4, 1977COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3769

2) METHOD

1: MANUAL
 2: MANUAL SCRAM
 3: AUTOMATIC SCRAM
 4: OTHER (EXPLAIN)

NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
9	77-03-05	F	-0-	B	4	Load reduction to clean condensate pump suction strainers. (Non-nuclear system)
10	77-03-11	F	7.6	A	4	Unit was removed from service to replace gasket on containment escape hatch. (Nuclear system)
11	77-03-12	S	-0-	B	4	Unit was operated at approximately 50% R.P. to perform load swing tests. Power Ascension Test Program.

SUMMARY: Power Ascension Test Program continued during month.