

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
MONTHLY REPORT

TO: N. R. C.

FROM: Florida Power & Light Company
Miami, Florida
A. D. Schmidt

DATE OF DOCUMENT
11/8/76

DATE RECEIVED
11/12/76

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DESCRIPTION
LETTER TRANS THE FOLLOWING:

PLANT NAME: Turkey Point Units 3 & 4
St. Lucie Unit 1 (1-P)

ENCLOSURE
MONTHLY REPORT FOR October, 1976
PLANT & COMPONENT OPERABILITY &
AVAILABILITY. THIS REPORT TO BE USED IN
PREPARING GRAY BOOK BY PLANS & OPERATIONS.

ACKNOWLEDGED

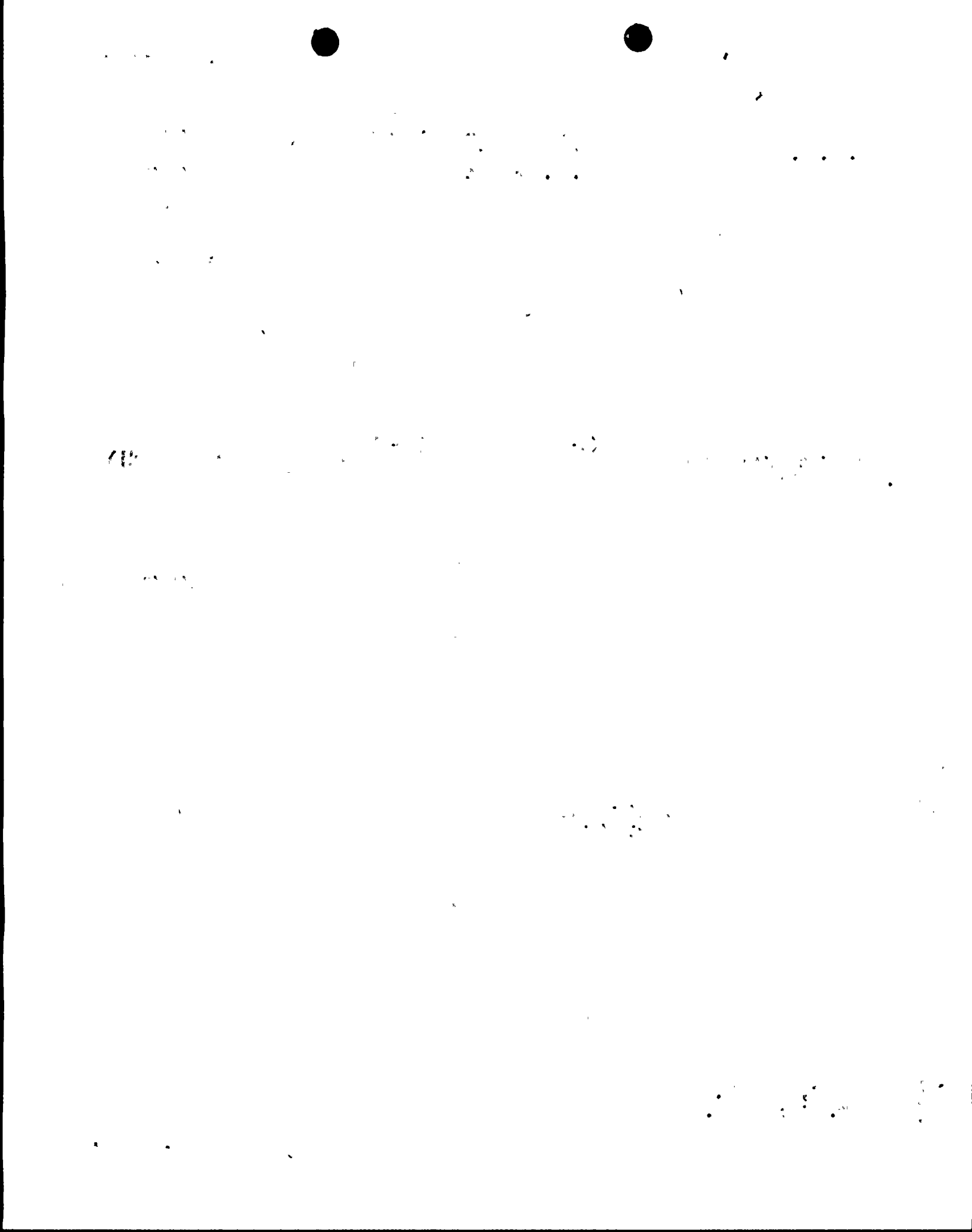
DO NOT REMOVE

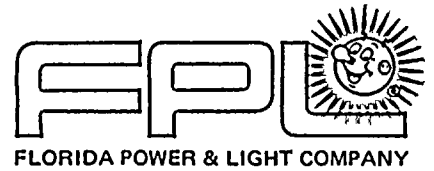
SAFETY	FOR ACTION/INFORMATION	ENVIRO	11/12/76	RJL
<input checked="" type="checkbox"/>	MIPC W/4 CYS FOR ACTION			

INTERNAL DISTRIBUTION				
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EXTERNAL DISTRIBUTION			CONTROL NUMBER	
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11534






November 8, 1976

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

Gentlemen:

Attached are the October, 1976 Operating Status Reports
for Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit
No. 1.

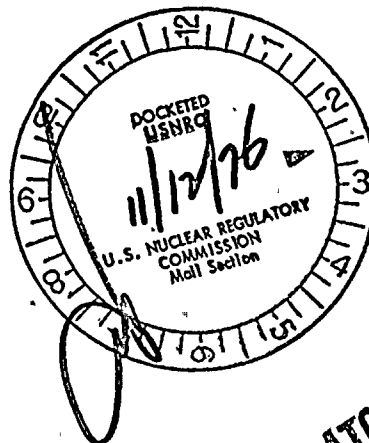
Very truly yours,


A. D. Schmidt
Vice President
Power Resources

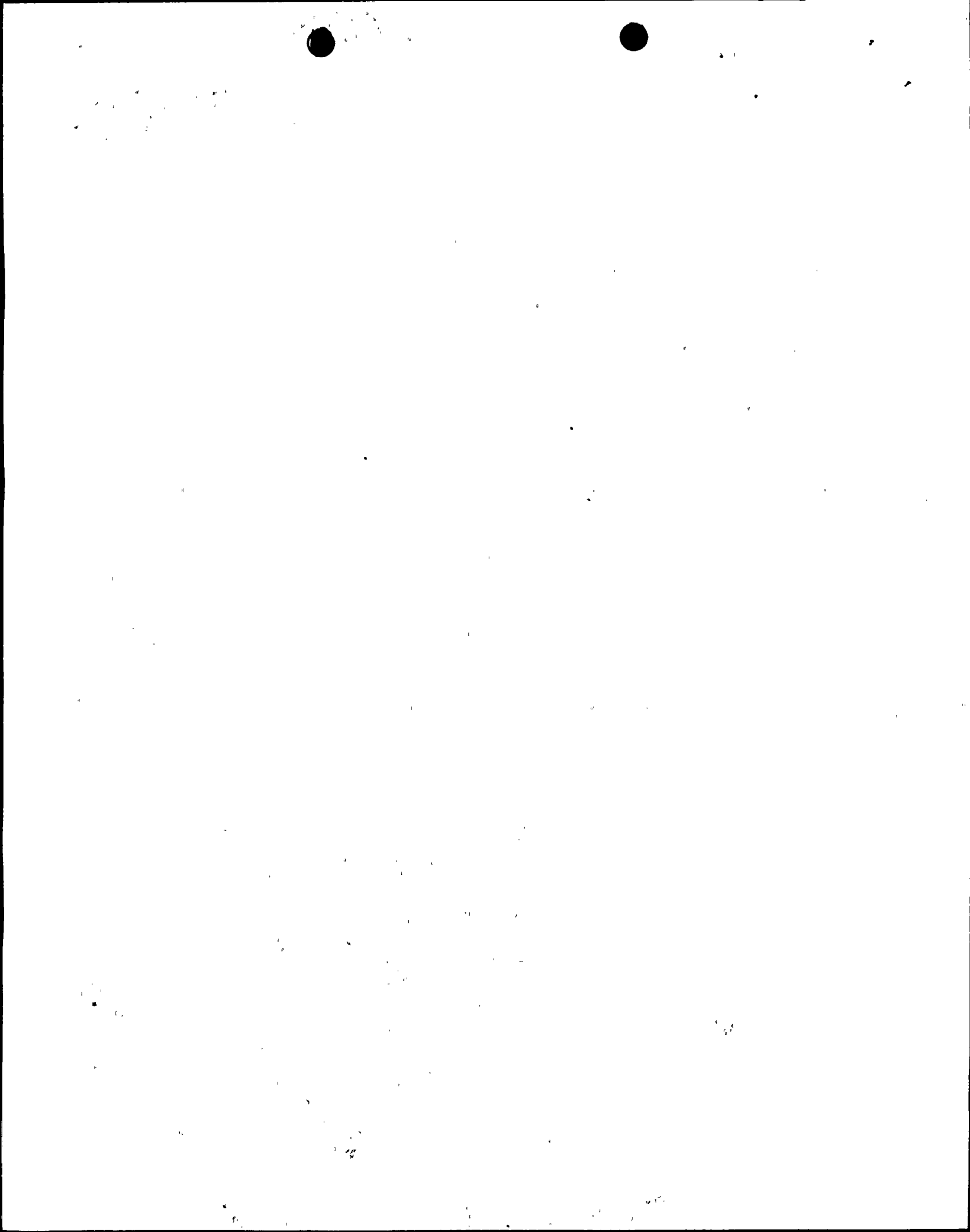


VTC/DDC
Attachments

cc: Mr. Norman C. Moseley
Jack R. Newman, Esquire



REGULATORY DOCKET FILE COPY
11534



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>650</u>
2	<u>658</u>
3	<u>657</u>
4	<u>655</u>
5	<u>656</u>
6	<u>652</u>
7	<u>651</u>
8	<u>630</u>
9	<u>596</u>
10	<u>643</u>
11	<u>640</u>
12	<u>639</u>
13	<u>620</u>
14	<u>578</u>
15	<u>648</u>
16	<u>651</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>643</u>
18	<u>628</u>
19	<u>648</u>
20	<u>656</u>
21	<u>654</u>
22	<u>659</u>
23	<u>667</u>
24	<u>663</u>
25	<u>651</u>
26	<u>642</u>
27	<u>647</u>
28	<u>649</u>
29	<u>654</u>
30	<u>660</u>
31	<u>655</u>

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,10,01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400,76,10,31
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>745.0*</u>	<u>6 446.1</u>	<u>27 726.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>64.2</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>745.0*</u>	<u>6 355.6</u>	<u>26 725.6</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>85.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 614 694</u>	<u>13 733 282</u>	<u>51 045 542</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>505 740</u>	<u>4 340 645</u>	<u>16 355 881</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>480 673</u>	<u>4 119 351</u>	<u>15 475 113</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0</u>	<u>88.1</u>	<u>80.9</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0</u>	<u>88.9</u>	<u>81.1</u>
14. UNIT SERVICE FACTOR.....	<u>100.0</u>	<u>86.8</u>	<u>78.0</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0</u>	<u>86.8</u>	<u>78.2</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>96.9</u>	<u>84.5</u>	<u>68.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>93.1</u>	<u>81.2</u>	<u>65.2</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.1</u>	<u>3.0</u>

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

Refueling, maintenance, and inspections

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	_____	_____

NOTE: * Changed from DST to EST on October 31, 1976

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 250UNIT NAME Turkey Point Unit No. 3DATE Nov. 5, 1976COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3830REPORT MONTH October, 1976

- 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)

- 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
20	76-10-08	S	-0-	B	N/A	Load reduction to perform periodic test of turbine main steam stop, reheat stop, and reheat intercept valves. (Non-nuclear system)

SUMMARY: Unit No. 3 operated at approximately 100% R.P. during month except for load reduction on October 8, 1976 to perform periodic test of turbine main steam stop, reheat stop, and reheat intercept valves.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>666</u>
2	<u>676</u>
3	<u>676</u>
4	<u>673</u>
5	<u>675</u>
6	<u>667</u>
7	<u>666</u>
8	<u>663</u>
9	<u>610</u>
10	<u>---</u>
11	<u>---</u>
12	<u>---</u>
13	<u>---</u>
14	<u>65</u>
15	<u>664</u>
16	<u>679</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>674</u>
18	<u>673</u>
19	<u>596</u>
20	<u>630</u>
21	<u>675</u>
22	<u>683</u>
23	<u>683</u>
24	<u>685</u>
25	<u>562</u>
26	<u>620</u>
27	<u>621</u>
28	<u>---</u>
29	<u>---</u>
30	<u>---</u>
31	<u>---</u>

NOTE: Daily average power level greater than 666MWe due to cooler condenser water.



APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,10,01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400,76,10,31
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>536.2</u>	<u>5 357.6</u>	<u>21 003.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>117.1</u>
7. HOURS GENERATOR ON LINE.....	<u>527.7</u>	<u>5 159.3⁽¹⁾</u>	<u>20 434.0⁽¹⁾</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 134 444</u>	<u>10 957 697</u>	<u>41 606 333</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>365 550</u>	<u>3 499 506</u>	<u>13 478 581</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>346 662</u>	<u>3 317 972</u>	<u>12 776 602</u>
12. REACTOR SERVICE FACTOR.....	<u>72.0</u>	<u>73.2</u>	<u>75.1</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>72.0</u>	<u>73.2</u>	<u>75.5</u>
14. UNIT SERVICE FACTOR.....	<u>70.8</u>	<u>70.5</u>	<u>73.0</u>
15. UNIT AVAILABILITY FACTOR.....	<u>70.8</u>	<u>70.5</u>	<u>73.0</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>69.9</u>	<u>68.1</u>	<u>69.3</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>67.1</u>	<u>65.4</u>	<u>65.9</u>
18. UNIT FORCED OUTAGE RATE.....	<u>1.0</u>	<u>4.1</u>	<u>3.6</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: * Changed DST to EST on October 31, 1976

(1) Corrected-to-date

- 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 October, 1976

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point Unit No. 4
 DATE Nov. 5, 1976
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) -552 - 3830

PAGE ONE OF TWO

- 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
25	76-10-09	S	115.7	A	1	Unit No. 4 was removed from service to locate and repair tube leak in steam generator No. 4B. There were no significant quantities of radioactive material released as a result of this small leak. Corrective action was to plug the leaking tube. (Nuclear System)
26	76-10-19	F	1.1	A	3	Reactor was tripped by steam generator No. 4A protection system when the feedwater regulator was closed by failure of a solenoid valve. Corrective action was to replace the failed solenoid. (Non-nuclear System)
27	76-10-19	F	1.7	A	3	Unit No. 4 was tripped by actuation of the loss of field relay caused by malfunction of the generator voltage regulator system. (Non-nuclear System)

- 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

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point Unit No. 4
 DATE Nov. 5, 1976
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3830

REPORT MONTH October, 1976

PAGE TWO OF TWO

- 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
27	76-10-19	F	2.3	A	3	Unit No. 4 was tripped by actuation of generator over-excitation relay caused by malfunction of voltage regulator system. Corrective action included repairs to one of the two solid state power supply units in the voltage regulator control section. (Non-nuclear System)
28	76-10-28	S	96.5	B	1	Unit No. 4 was removed from service for steam generator tube inspection program. (Nuclear System)

SUMMARY: Unit No. 4 operated at approximately 100% R.P. during month, except for outages on Oct. 9 to 14 and Oct. 19, until Oct. 28, 1976, when the unit was removed from service to perform steam generator tube inspection.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	---
2	---
3	---
4	---
5	---
6	---
7	---
8	---
9	---
10	---
11	---
12	---
13	---
14	---
15	---
16	---

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	---
18	---
19	---
20	---
21	---
22	---
23	---
24	---
25	---
26	---
27	---
28	---
29	---
30	---
31	---

APPENDIX C
OPERATING DATA REPORT

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

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001.76.10.01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400.76.10.31
 2. CURRENTLY AUTHORIZED POWER LEVEL (Mw): 2560
MAX. DEPEND. CAPACITY (MWe-Net): 802 (Estimated)
DESIGN ELECTRICAL RATING (MWe-Net): 802
 3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): 722
 4. REASONS FOR RESTRICTION (IF ANY):
"Temporary 90% restriction pending Reactor Coolant Flow Analysis"
- | | THIS MONTH | YEAR TO DATE | CUMULATIVE |
|--|----------------|------------------|------------------|
| 5. NUMBERS OF HOURS REACTOR WAS CRITICAL..... | <u>-0-</u> | <u>1 366.6</u> | <u>1 366.6</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS..... | <u>N/A (1)</u> | <u>N/A (1)</u> | <u>N/A (1)</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>-0-</u> | <u>1 121.9</u> | <u>1 121.9</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS..... | <u>N/A (1)</u> | <u>N/A (1)</u> | <u>N/A (1)</u> |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)..... | <u>-0-</u> | <u>1 495 088</u> | <u>1 495 088</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH)... | <u>-0-</u> | <u>418 670</u> | <u>418 670</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)..... | <u>-0-</u> | <u>374 180</u> | <u>374 180</u> |
| 12. REACTOR SERVICE FACTOR..... | <u>0.0</u> | <u>31.8</u> | <u>31.8</u> |
| 13. REACTOR AVAILABILITY FACTOR..... | <u>0.0</u> | <u>31.8</u> | <u>31.8</u> |
| 14. UNIT SERVICE FACTOR..... | <u>0.0</u> | <u>26.4</u> | <u>26.4</u> |
| 15. UNIT AVAILABILITY FACTOR..... | <u>0.0</u> | <u>26.4</u> | <u>26.4</u> |
| 16. UNIT CAPACITY FACTOR (Using (MDC)..... | <u>0.0</u> | <u>11.0</u> | <u>11.0</u> |
| 17. UNIT CAPACITY FACTOR (Using Design MWe)... | <u>0.0</u> | <u>11.0</u> | <u>11.0</u> |
| 18. UNIT FORCED OUTAGE RATE..... | <u>100.0</u> | <u>72.3</u> | <u>72.3</u> |
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
N/A (1)
 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>April 22, 1976</u> |
| INITIAL ELECTRICITY | <u> </u> | <u>May 7, 1976</u> |
| COMMERCIAL OPERATION | <u> </u> | <u> </u> |

NOTE: (1) Unit in test status

* Changed from DST to EST on October 31, 1976

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 335UNIT NAME St. Lucie Unit No. 1DATE Nov. 5, 1976.COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3830REPORT MONTH October, 1976

) 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)

) 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
16	76-07-10	F	745.0*	F	1	Unit was removed from service for reactor tests and inspection. (Nuclear System)

SUMMARY: Unit No. 1 reactor inspection continued during month.

NOTE: * Changed from DST to EST on October 31, 1976