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TO: N. R. C.

FROM: Florida Power & Light Co.
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ENCLOSURE

Monthly Report for JUNE 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book
by Plans & Operations.

(11-P)

PLANT NAME: Turkey Point Units 3 & 4
St. Lucie Unit No. 1

RJL 7/15/77

FOR ACTION/INFORMATION

MIPC W/2 CYS FOR ACTION

INTERNAL DISTRIBUTION

Reg Files

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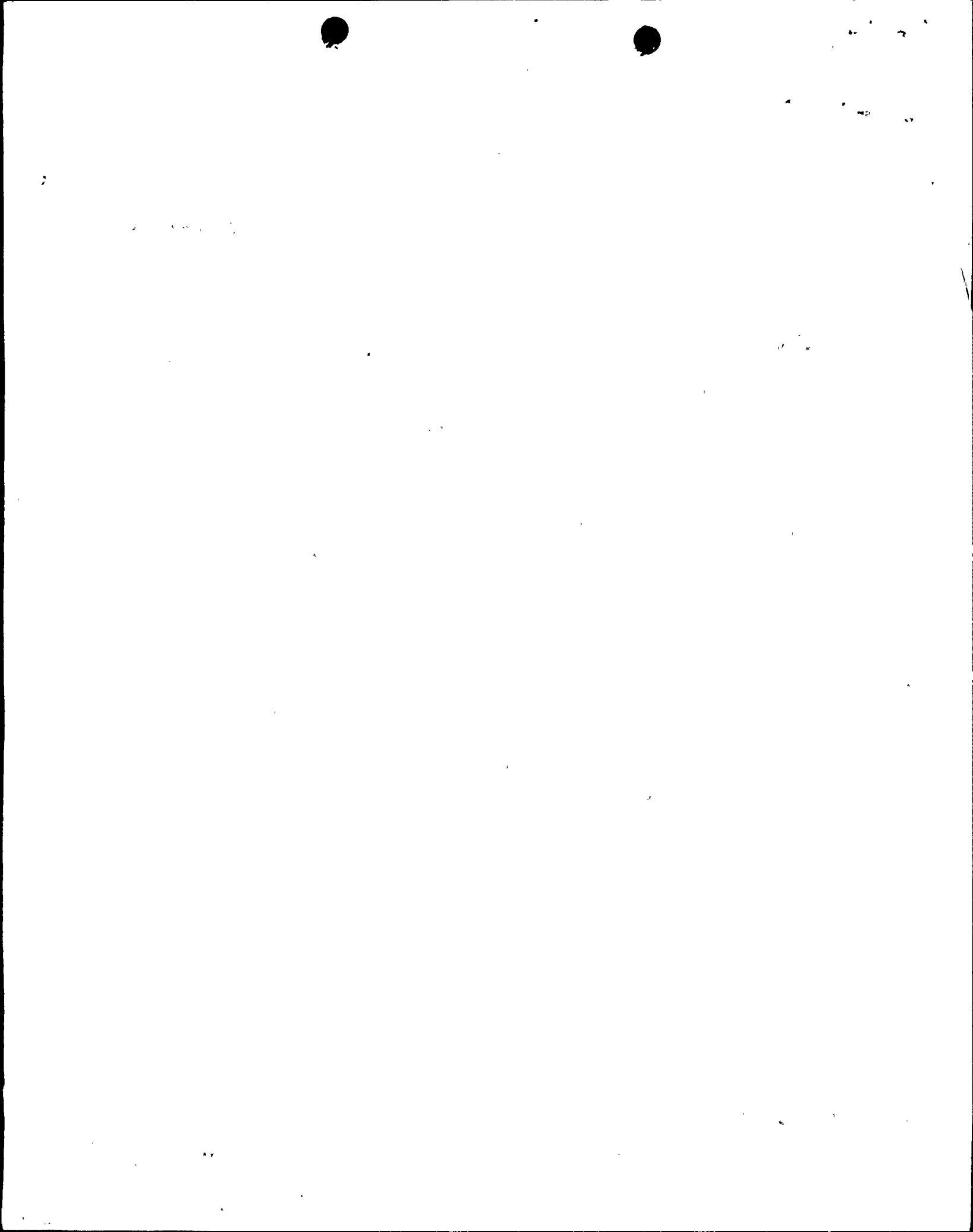
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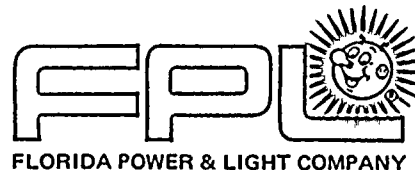
LPDR: Miami, Fla
TIC
NSIC

CONTROL NUMBER

771960214

not yet *B*





July 7, 1977

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

Regulatory

FILED

Gentlemen:

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

The May, 1977, Operating Data Report for Turkey Point Unit No. 3 incorrectly reported values for Gross Thermal Energy, Gross Electrical Energy, and Net Electrical Energy Generated during May, 1977. We are attaching a revised May, 1977, Operating Data Report for Turkey Point Unit No. 3.

We regret any inconvenience caused by these errors.

Very truly yours,

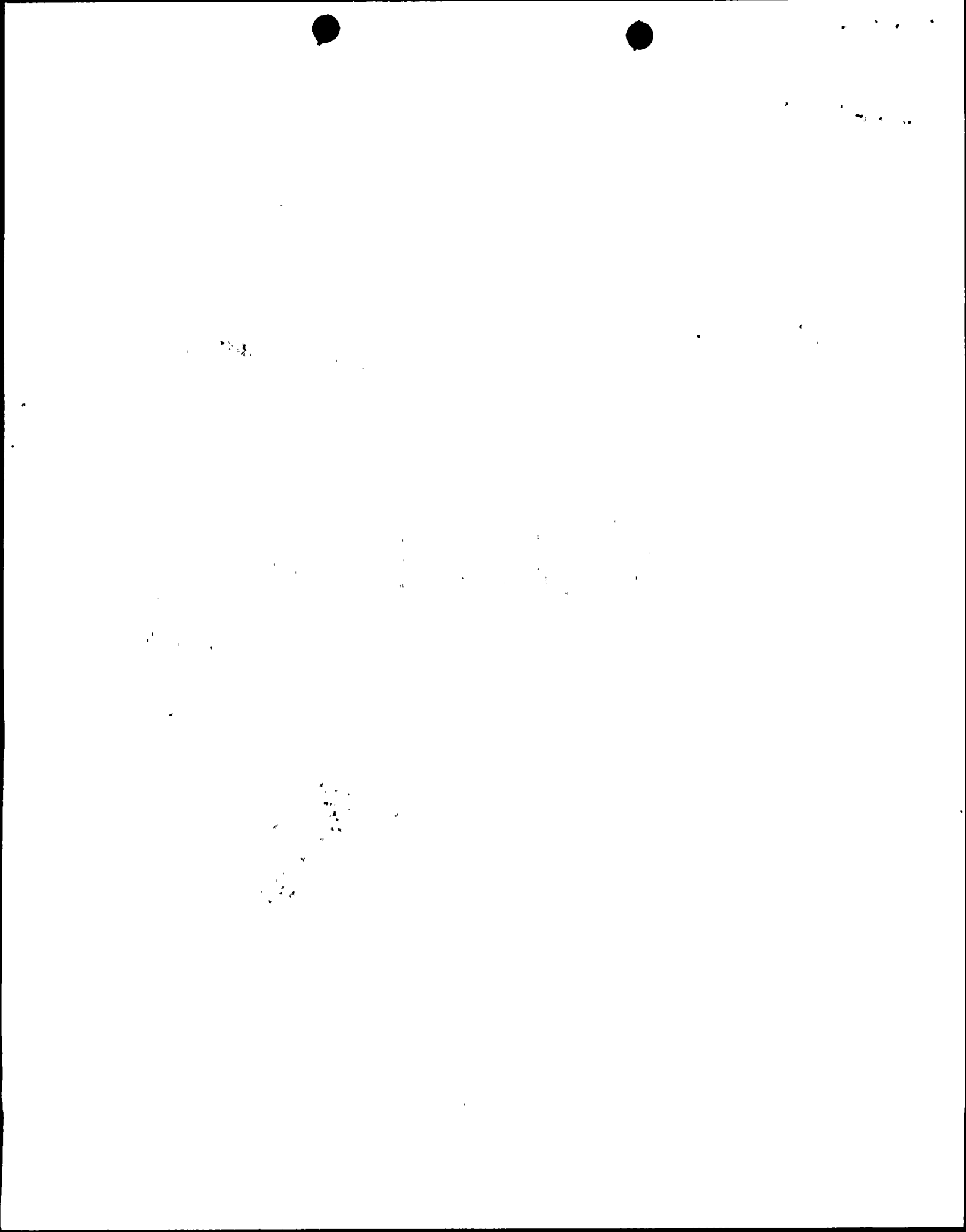
A. D. Schmidt
A. D. Schmidt
Vice President
Power Resources

VTC/DDC

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



771960214



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

Turkey Point
UNIT Unit No. 3

DATE July 7, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH JUNE, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	489
2	666
3	674
4	674
5	670
6	663
7	660
8	662
9	665
10	629
11	616
12	658
13	655
14	647
15	378
16	685

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	652
18	649
19	643
20	643
21	646
22	647
23	650
24	649
25	647
26	646
27	643
28	642
29	644
30	643

-31-

NOTE: Average daily power 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 JUNE, 1977

DATE July 7, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,06,01 GROSS HOURS IN REPORTING PERIOD: 720.0
THROUGH 2400,77,06,30
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>718.6</u>	<u>3 843.8</u>	<u>31 833.9</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>713.0</u>	<u>3 692.4</u>	<u>30 731.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>85.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 543 264</u>	<u>7 925 803</u>	<u>59 655 391</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>483 136</u>	<u>2 554 886</u>	<u>19 125 337</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>459 271</u>	<u>2 426 717</u>	<u>18 102 702</u>
12. REACTOR SERVICE FACTOR.....	<u>99.8</u>	<u>88.5</u>	<u>79.4</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>99.8</u>	<u>88.5</u>	<u>79.6</u>
14. UNIT SERVICE FACTOR.....	<u>99.0</u>	<u>85.0</u>	<u>76.7</u>
15. UNIT AVAILABILITY FACTOR.....	<u>99.0</u>	<u>85.0</u>	<u>76.9</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>95.8</u>	<u>83.9</u>	<u>68.6</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>92.0</u>	<u>80.6</u>	<u>65.2</u>
18. UNIT FORCED OUTAGE RATE.....	<u>1.0</u>	<u>1.4</u>	<u>2.8</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Steam Generator Inspection - August 17 - September 13, 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	_____	_____

APPENDIX C
OPERATING DATA REPORT
REVISED

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

REPORT MONTH May 1977

REVISED

DATE July 7, 1977

COMPLETED BY V. T. Chilson

OPERATING STATUS

TELEPHONE (305) 552 - 3769

1. REPORTING PERIOD: 0001,77,05,01 GROSS HOURS IN REPORTING PERIOD: 744.0
THROUGH 2400,77,05,31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 2 200
MAX. DEPEND. CAPACITY (MWe-Nec): 666
DESIGN ELECTRICAL RATING (MWe-Nec): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Nec): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>736.4</u>	<u>3 125.2</u>	<u>31 165.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>732.8</u>	<u>2 979.3</u>	<u>30 018.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>85.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 599 394</u>	<u>6 382 539</u>	<u>58 112 127</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>517 170</u>	<u>2 071 750</u>	<u>18 642 201</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>492 741</u>	<u>1 967 446</u>	<u>17 643 431</u>
12. REACTOR SERVICE FACTOR.....	<u>99.0</u>	<u>86.3</u>	<u>79.2</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>99.0</u>	<u>86.3</u>	<u>79.4</u>
14. UNIT SERVICE FACTOR.....	<u>98.5</u>	<u>82.2</u>	<u>76.3</u>
15. UNIT AVAILABILITY FACTOR.....	<u>98.5</u>	<u>82.2</u>	<u>76.5</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>99.4</u>	<u>81.5</u>	<u>68.1</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>95.6</u>	<u>78.4</u>	<u>64.7</u>
18. UNIT FORCED OUTAGE RATE.....	<u>1.5</u>	<u>1.5</u>	<u>2.8</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Steam Generator Inspection - July 10 - Aug. 6, 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	_____	_____

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 250
 UNIT NAME Turkey Point
Unit No. 3
 DATE July 7, 1977
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3769

REPORT MONTH JUNE, 1977

- 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
15	77-06-01	F	-0-	A	4	Load reduction to repair steam generator feedwater pump No. 3A discharge check valve seal ring leak. (Non-nuclear system)
16	77-06-14	F	7.0	G	3	Unit No. 3 was tripped due to a transient pressure condition on the turbine auto-stop oil system. (Non-nuclear system)

SUMMARY: Unit No. 3 operated at approximately 100% R.P. during month except for load reduction on June 1 and outage of June 14-15, 1977.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

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

DATE July 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH JUNE, 1977

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 - 251
Turkey Point
 UNIT Unit No. 4

REPORT MONTH JUNE, 1977

DATE July 7, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,06,01 GROSS HOURS IN REPORTING PERIOD: 720.0
 THROUGH 2400,77,06,30
2. CURRENTLY AUTHORIZED POWER LEVEL (Mw): 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>0.0</u>	<u>2 521.9</u>	<u>24 243.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>138.8</u>
7. HOURS GENERATOR ON LINE.....	<u>0.0</u>	<u>2 496.7</u>	<u>23 038.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>-0-</u>	<u>5 424 235</u>	<u>48 483 605</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>-0-</u>	<u>1 768 385</u>	<u>15 726 068</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>- 1 236</u>	<u>1 678 909</u>	<u>14 909 375</u>
12. REACTOR SERVICE FACTOR.....	<u>0.0</u>	<u>58.1</u>	<u>71.7</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0</u>	<u>58.1</u>	<u>72.2</u>
14. UNIT SERVICE FACTOR.....	<u>0.0</u>	<u>57.5</u>	<u>68.2</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0</u>	<u>57.5</u>	<u>68.2</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>0.0</u>	<u>58.0</u>	<u>66.9</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>0.0</u>	<u>55.8</u>	<u>63.7</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.0</u>	<u>3.2</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: August 4, 1977

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>

-) 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 JUNE, 1977

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point
Unit No. 4
 DATE July 7, 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
5	77-05-09	S	720.0	C	4	Unit No. 4 was removed from service for refueling, maintenance, and inspections. (Continued from previous month) (Nuclear and non-nuclear systems)

SUMMARY: Unit No. 4 was out of service for entire month for refueling, maintenance, and inspections.



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

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

DATE July 7, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH JUNE, 1977

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	---
2	---
3	---
4	---
5	---
6	661
7	573
8	758
9	724
10	785
11	777
12	782
13	569
14	716
15	691
16	746

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	746
18	775
19	776
20	782
21	781
22	768
23	787
24	782
25	708
26	160
27	770
28	219
29	773
30	773
31	

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

APPENDIX C
OPERATING DATA REPORT

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

REPORT MONTH JUNE, 1977

DATE July 7, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,06,01 GROSS HOURS IN REPORTING PERIOD: 720.0
THROUGH 2400,77,06,30
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>630.1</u>	<u>3 609.1</u>	<u>3 873.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>84.7</u>	<u>92.8</u>	<u>92.8</u>
7. HOURS GENERATOR ON LINE.....	<u>576.1</u>	<u>3 448.5</u>	<u>3 712.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 377 938</u>	<u>7 603 896</u>	<u>7 951 499</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>443 980</u>	<u>2 467 380</u>	<u>4 120 650</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>415 192</u>	<u>2 304 588</u>	<u>2 403 563</u>
12. REACTOR SERVICE FACTOR.....	<u>87.5</u>	<u>83.1</u>	<u>84.1</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>99.3</u>	<u>85.2</u>	<u>86.1</u>
14. UNIT SERVICE FACTOR.....	<u>80.0</u>	<u>79.4</u>	<u>80.6</u>
15. UNIT AVAILABILITY FACTOR.....	<u>80.0</u>	<u>79.4</u>	<u>80.6</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>74.2</u>	<u>68.3</u>	<u>67.1</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>71.9</u>	<u>66.2</u>	<u>65.1</u>
18. UNIT FORCED OUTAGE RATE.....	<u>25.0</u>	<u>19.3</u>	<u>18.2</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Preliminary Warranty Inspection - September 3 to September 16, 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

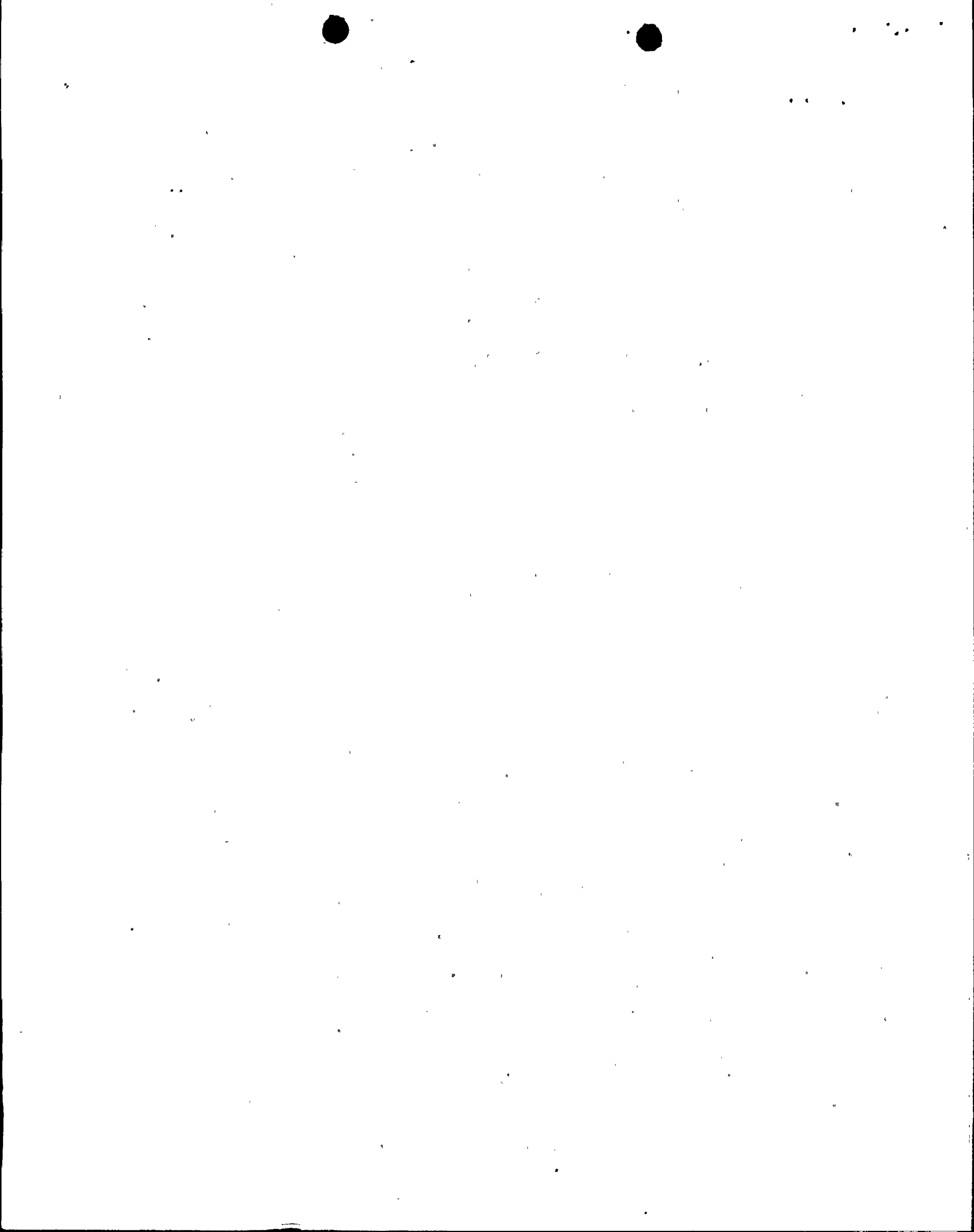
REPORT MONTH JUNE, 1977

PAGE 1 OF 2

DOCKET NO. 50 - 335
St. Lucie
 UNIT NAME Unit No. 1
 DATE July 7, 1977
 COMPLETED BY V. T. Chilson
 TELEPHONE (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
18	77-05-31	F	102.4	A	4	Unit was tripped by actuation of the loss of field relay. Corrective action included replacement of generator exciter components. (Continued from previous month)
19	77-06-05	F	3.5	B	4	Unit was removed from service to balance the turbine-generator-exciter. (Non-nuclear system)
20	77-06-05	F	3.4	B	4	Unit was removed from service to balance the turbine-generator-exciter. (Non-nuclear system)
21	77-06-05	F	3.1	B	4	Unit was removed from service to balance the turbine-generator-exciter. (Non-nuclear system)
22	77-06-07	F	3.8	G	3	Reactor trip caused by loss of second of two rod control system power supplies. (Nuclear system)
23	77-06-13	F	-0-	A	4	Load reduction to repair leak on turbine plant cooling water pump No. 1B seal water system. (Non-nuclear system)



APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 335
 UNIT NAME St. Lucie
Unit No. 1
 DATE July 7, 1977
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3769

REPORT MONTH JUNE, 1977

PAGE 2 OF 2

- 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
24	77-06-25	F	14.6	A	3	Unit tripped on low steam generator level as a result of the loss of steam generator feedwater pump No. 1A which tripped due to failed expansion joint in the condensate system. Corrective action included replacing the failed expansion joint. (Non-nuclear system)
25	77-06-28	F	13.1	A	4	Unit was removed from service to repair packing leak on valve located inside the containment building that could not be isolated. (Nuclear system)

SUMMARY: Unit operated at approximately 99% R.P. during month except for load reduction on June 13 and outages of May 31-June 5, June 7, June 25-26, and June 28, 1977.

RECEIVED DOCUMENT
PROCESSING UNIT

1977 JUL 14 AM 9 21