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FLORIDA POWER & LIGHT COMPANY

RECEIVED 8 JUL 1977  
50-250/251/335  
June 6, 1977

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

Regulatory Docket File

Gentlemen:

Attached are the May, 1977, 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

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

771600014

RECEIVED DOCUMENT  
PROCESSING UNIT

1977 JUN 8 PM 12 55

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APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

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

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

MONTH May 1977

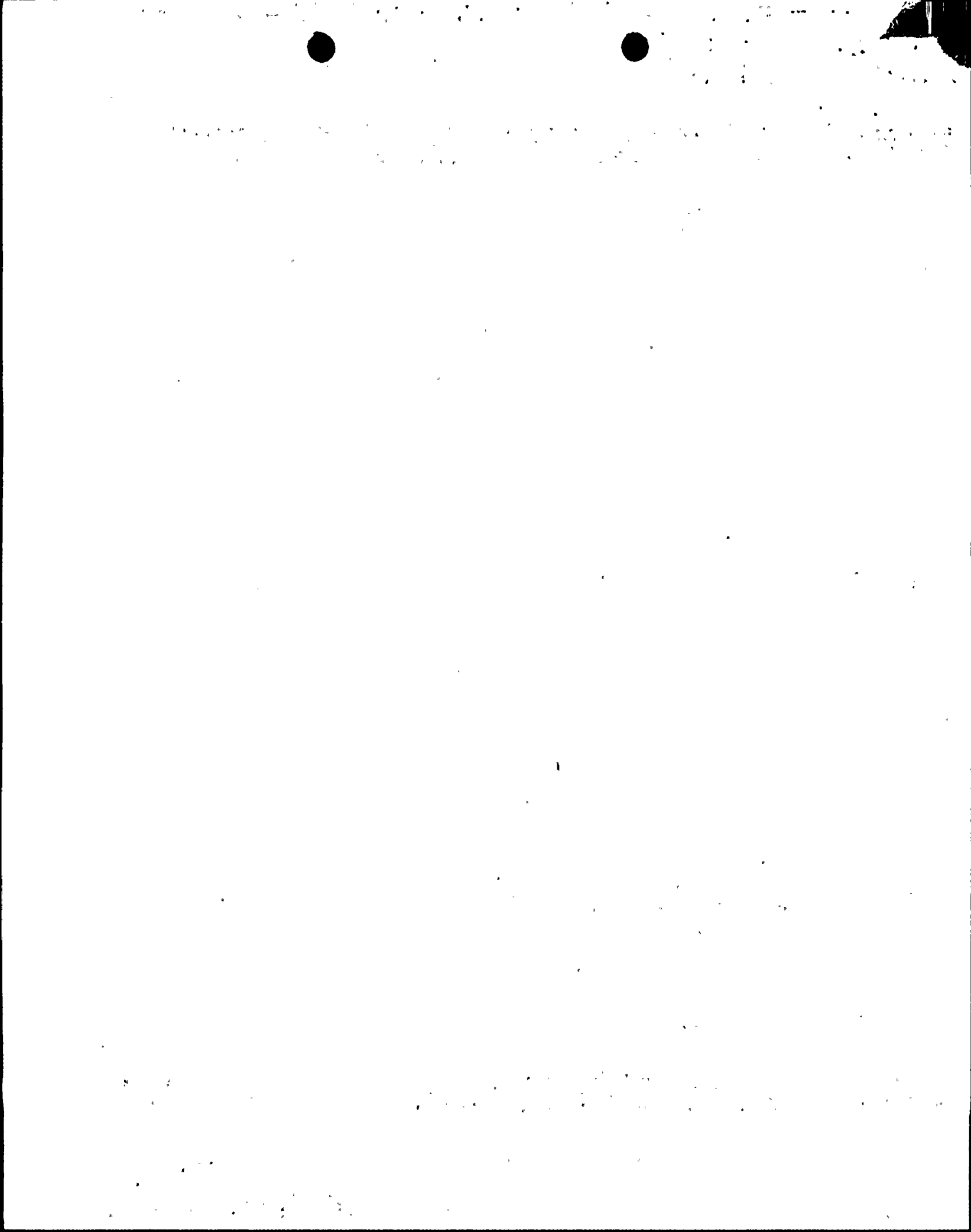
DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>678</u>
2	<u>679</u>
3	<u>679</u>
4	<u>684</u>
5	<u>682</u>
6	<u>676</u>
7	<u>672</u>
8	<u>668</u>
9	<u>669</u>
10	<u>671</u>
11	<u>678</u>
12	<u>679</u>
13	<u>682</u>
14	<u>683</u>
15	<u>683</u>
16	<u>311</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>663</u>
18	<u>682</u>
19	<u>681</u>
20	<u>681</u>
21	<u>682</u>
22	<u>682</u>
23	<u>679</u>
24	<u>672</u>
25	<u>671</u>
26	<u>665</u>
27	<u>669</u>
28	<u>671</u>
29	<u>678</u>
30	<u>679</u>
31	<u>679</u>

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 May 1977

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

OPERATING STATUS

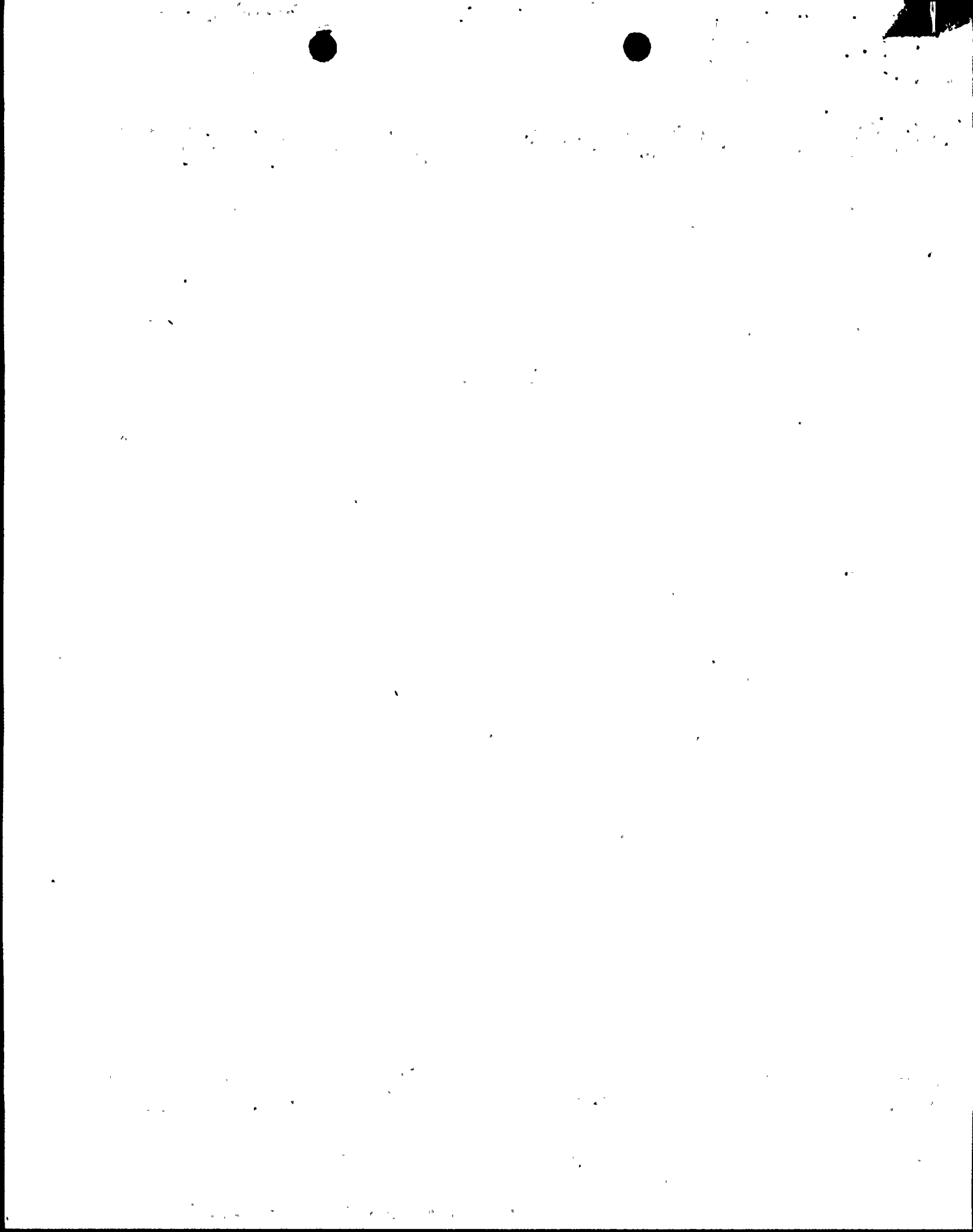
1. REPORTING PERIOD: 0001,77,05,01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH 2400,77,05,31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2 200  
MAX-DEPEND. CAPACITY (MWe-Net): 666  
DESIGN ELECTRICAL RATING (MWe-Net): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR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

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>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>1 599 328</u>	<u>6 382 473</u>	<u>58 112 061</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>519 030</u>	<u>2 073 610</u>	<u>18 644 061</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>494 541</u>	<u>1 969 246</u>	<u>17 645 181</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>99.8</u>	<u>81.6</u>	<u>68.1</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>95.9</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	_____	_____





- 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 May 1977

DOCKET NO. 50 - 250

UNIT NAME Turkey Point Unit No. 3

DATE June 3, 1977

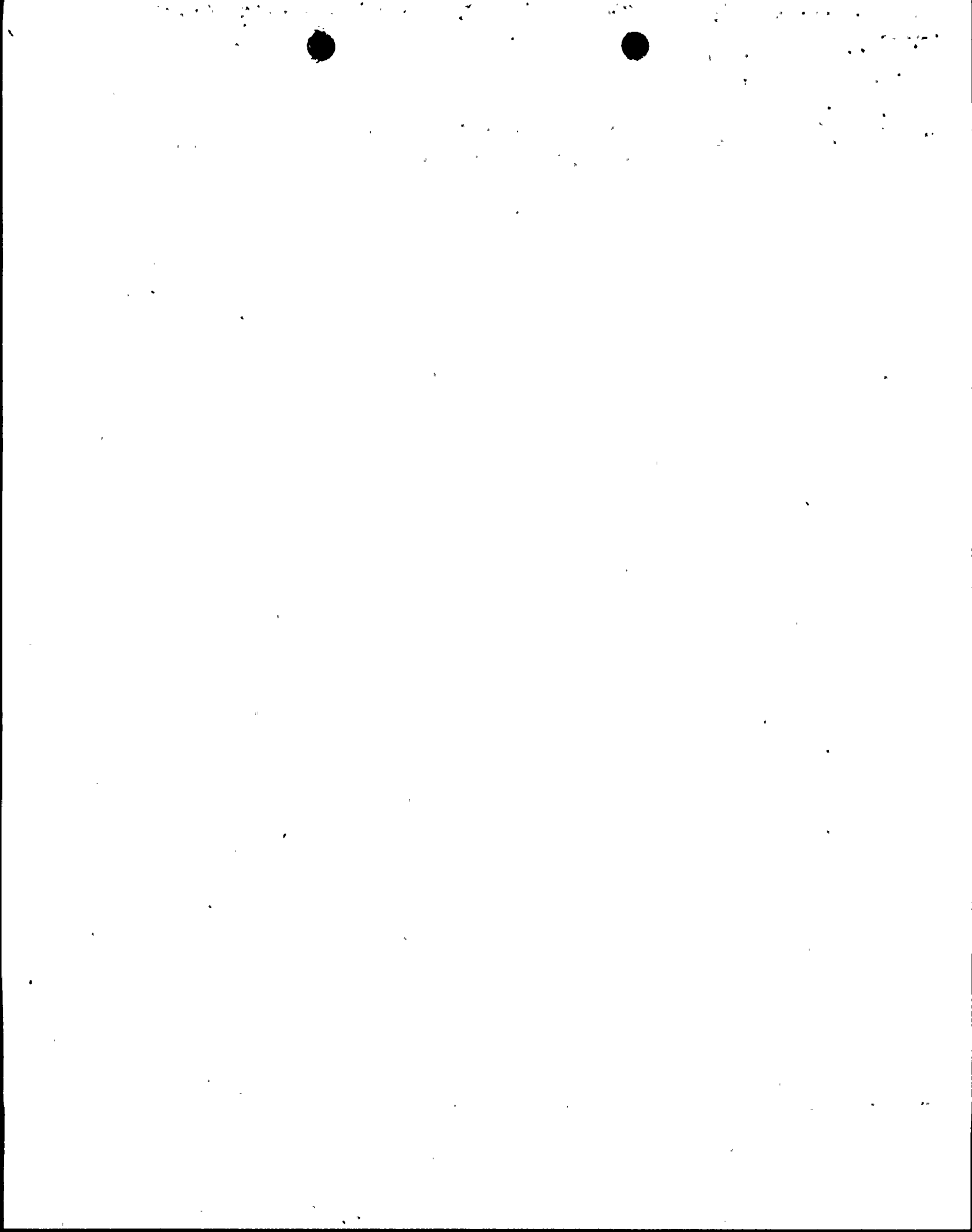
COMPLETED BY V. T. Chilson

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
14	77-05-16	F	11.2	A	3	Unit No. 3 was tripped by spurious operation of a relay in the reactor protection system. (Nuclear System)

SUMMARY: Unit operated at approximately 100% R.P. except for outage on May 16, 1977.



APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

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

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

MONTH May 1977

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	---
2	---
3	---
4	563
5	675
6	673
7	669
8	661
9	49
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	---

NOTE: Average daily power 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 May 1977

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

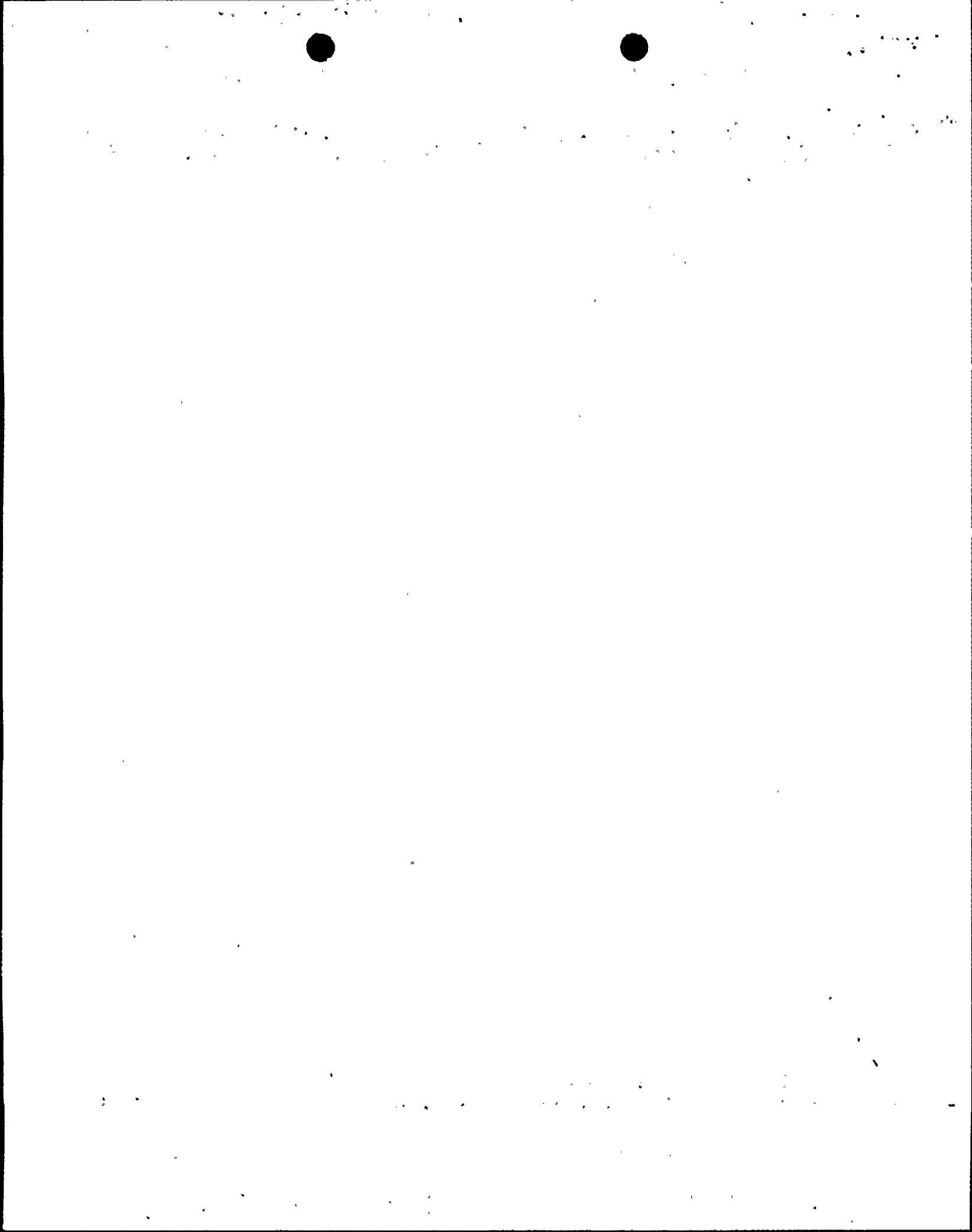
OPERATING STATUS

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-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>127.0</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>121.5</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>259 799</u>	<u>5 424 235</u>	<u>48 483 605</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>83 320</u>	<u>1 768 385</u>	<u>15 726 068</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>77 271</u>	<u>1 680 145</u>	<u>14 910 611</u>
12. REACTOR SERVICE FACTOR.....	<u>17.1</u>	<u>69.6</u>	<u>73.3</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>17.1</u>	<u>69.6</u>	<u>73.7</u>
14. UNIT SERVICE FACTOR.....	<u>16.3</u>	<u>68.9</u>	<u>69.7</u>
15. UNIT AVAILABILITY FACTOR.....	<u>16.3</u>	<u>68.9</u>	<u>69.7</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>15.6</u>	<u>69.6</u>	<u>68.3</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>15.0</u>	<u>66.9</u>	<u>65.1</u>
18. UNIT FORCED OUTAGE RATE.....	<u>-0-</u>	<u>-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: July 9, 1977

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

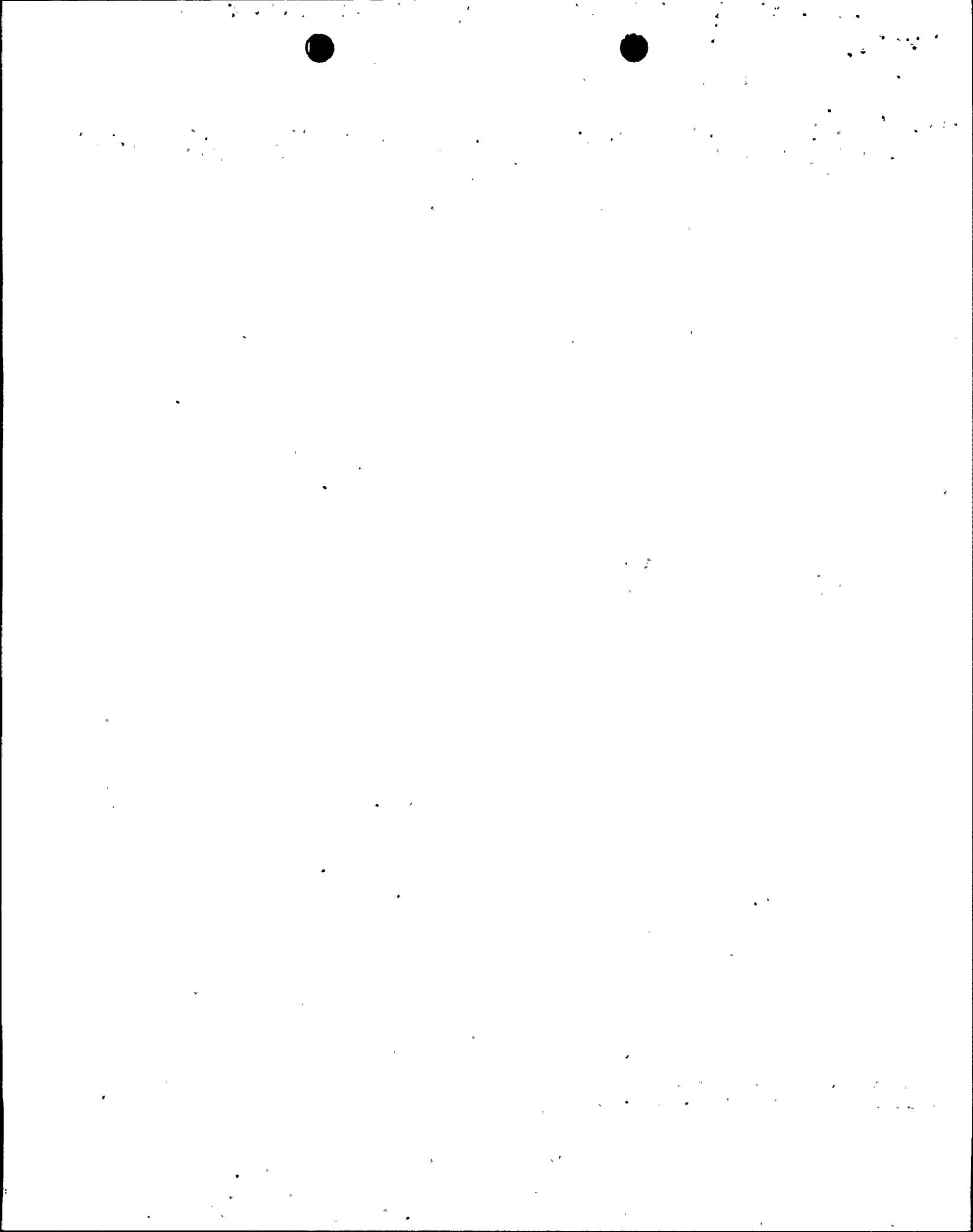
REPORT MONTH May 1977

DOCKET NO. 50 - 251  
 UNIT NAME Turkey Point Unit No. 4  
 DATE June 3, 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
4	77-04-26	S	74.3	A	4	Unit No. 4 was removed from service to repair steam generator No. 4C tube leak. (Continued from previous month) (Nuclear System)
5	77-05-09	S	548.2	C	1	Unit was removed from service for refueling, maintenance, and inspections. (Nuclear and Non-nuclear Systems)

SUMMARY: Unit No. 4 was removed from service for scheduled refueling, maintenance, and inspections on May 9, 1977.



APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

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

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

MONTH May 1977

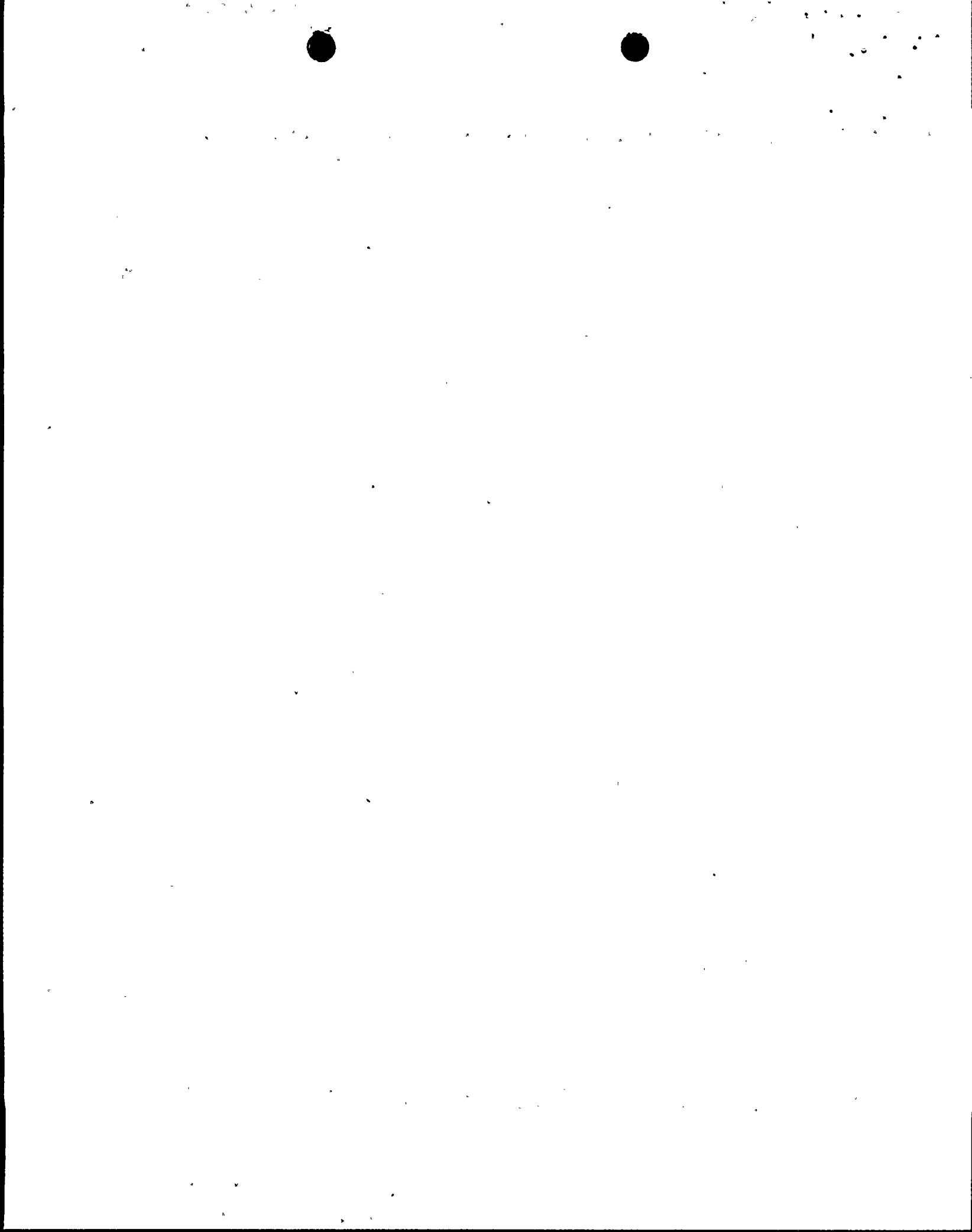
DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>670</u>
2	<u>678</u>
3	<u>692</u>
4	<u>702</u>
5	<u>687</u>
6	<u>684</u>
7	<u>678</u>
8	<u>665</u>
9	<u>657</u>
10	<u>584</u>
11	<u>---</u>
12	<u>---</u>
13	<u>197</u>
14	<u>712</u>
15	<u>672</u>
16	<u>336</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>585</u>
18	<u>748</u>
19	<u>742</u>
20	<u>526</u>
21	<u>748</u>
22	<u>716</u>
23	<u>743</u>
24	<u>745</u>
25	<u>683</u>
26	<u>697</u>
27	<u>492</u>
28	<u>740</u>
29	<u>739</u>
30	<u>731</u>
31	<u>480</u>





APPENDIX C  
OPERATING DATA REPORT

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

REPORT MONTH May 1977

DATE June 3, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3769

OPERATING STATUS

1. REPORTING PERIOD: 0001, 77.05.01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH \_\_\_\_\_
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 2 560  
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>665.5</u>	<u>2 979.1</u>	<u>3 243.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>8.2</u>	<u>8.2</u>	<u>8.2</u>
7. HOURS GENERATOR ON LINE.....	<u>655.1</u>	<u>2 872.5</u>	<u>3 136.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 519 476</u>	<u>6 225 958</u>	<u>6 573 561</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>478 400</u>	<u>2 023 400</u>	<u>2 131 670</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>448 820</u>	<u>1 889 396</u>	<u>1 988 371</u>
12. REACTOR SERVICE FACTOR.....	<u>89.4</u>	<u>82.2</u>	<u>83.4</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>90.5</u>	<u>82.4</u>	<u>83.6</u>
14. UNIT SERVICE FACTOR.....	<u>88.0</u>	<u>79.3</u>	<u>80.7</u>
15. UNIT AVAILABILITY FACTOR.....	<u>88.0</u>	<u>79.3</u>	<u>80.7</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>77.6</u>	<u>67.1</u>	<u>65.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>75.2</u>	<u>65.0</u>	<u>63.8</u>
18. UNIT FORCED OUTAGE RATE.....	<u>12.0</u>	<u>19.2</u>	<u>17.9</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: June 5, 1977
  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 May 1977

DOCKET NO. 50 - 335  
 UNIT NAME St. Lucie Unit No. 1  
 DATE June 3, 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
15	77-05-10	F	63.5	A	1	Unit was removed from service to repair a leak located inside the containment building that could not be isolated. (Nuclear System)
16	77-05-16	F	11.6	H	2	Unit was removed from service due to transient condition on the transmission system. (Non-nuclear System)
17	77-05-27	F	5.6	A	3	Unit was tripped during a transient condition by the steam generator level protection system. (Nuclear System)
18	77-05-31	F	8.2	A	3	Unit was tripped by actuation of the Loss of Field Relay. Corrective actions included replacement of generator exciter components. (Non-nuclear System)

SUMMARY: Unit was operated at an average reactor power level of 95 % R.P. during month except for outages on May 10, May 16, May 27, and May 31, 1977.

