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DESCRIPTION

LETTER TRANS THE FOLLOWING:

PLANT NAME: Turkey Pt. #3 & 4

ENCLOSURE

MONTHLY REPORT FOR June, 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

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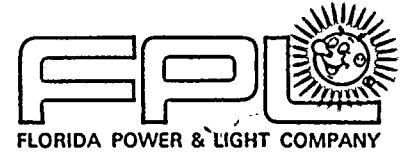
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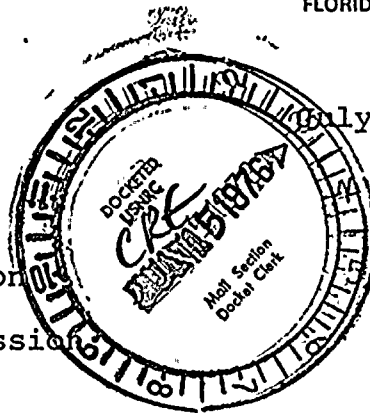
7119



1950  
1951



July 2, 1976



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

Gentlemen:

Attached are the June, 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/PM  
Attachments

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





11

APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

REPORT MONTH June 1976

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

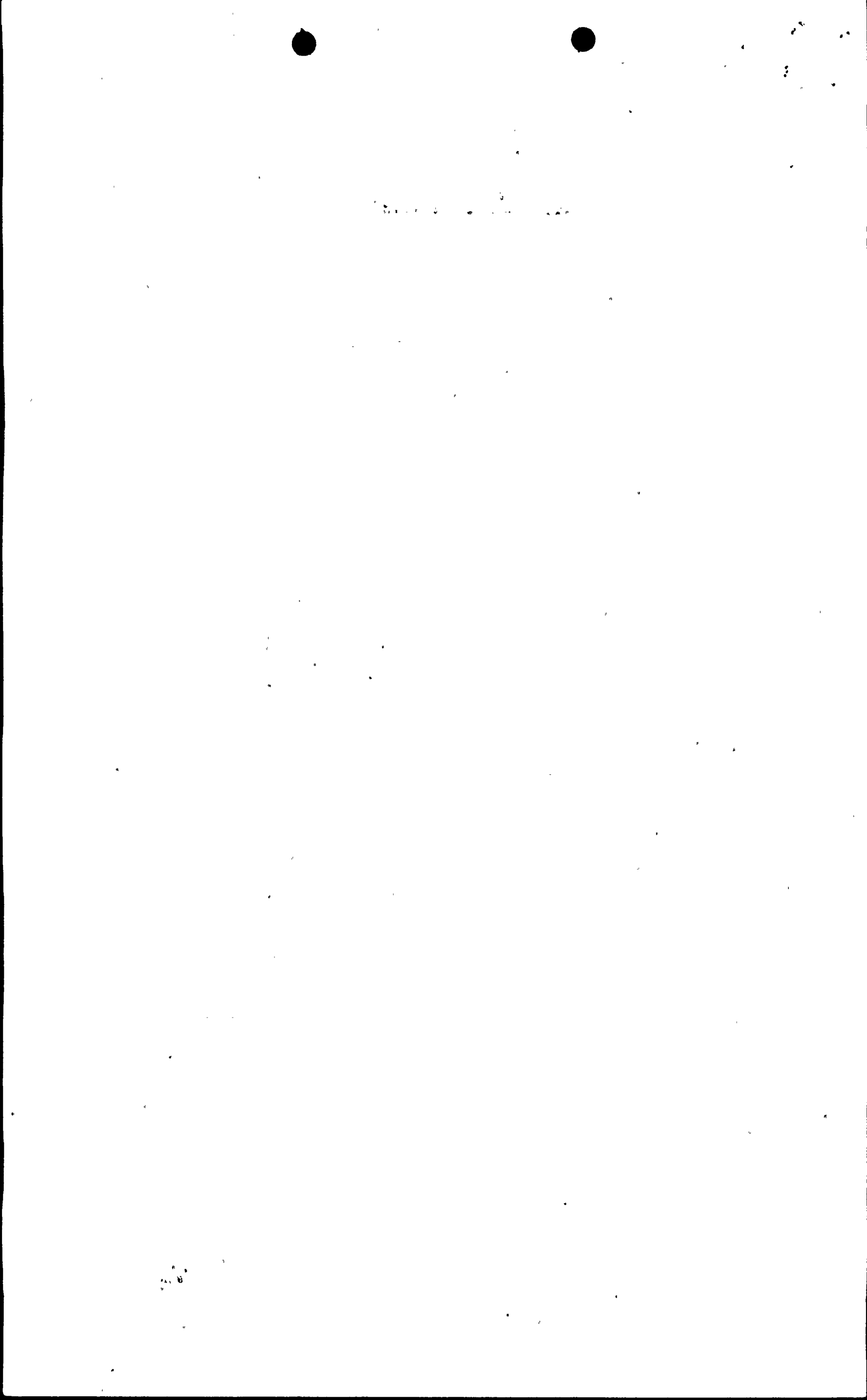
1. REPORTING PERIOD: 0001, 76, 06, 01 GROSS HOURS IN REPORTING PERIOD: 720.0  
THROUGH 2400, 76, 06, 30
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2 200  
MAX. DEPEND. CAPACITY (MWe-Net): 666  
DESIGN ELECTRICAL RATING (MWe-Net): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL.....	<u>521.6</u>	<u>3 765.9</u>	<u>25 046.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>64.2</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>507.7</u>	<u>3 693.6</u>	<u>24 063.6</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>85.0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>1 085 183</u>	<u>7 953 826</u>	<u>45 263 086</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>345 900</u>	<u>2 541 660</u>	<u>14 556 896</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>327 163</u>	<u>2 412 045</u>	<u>13 767 807</u>
12. REACTOR SERVICE FACTOR.....	<u>72.4</u>	<u>86.2</u>	<u>80.0</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>72.4</u>	<u>87.7</u>	<u>80.2</u>
14. UNIT SERVICE FACTOR.....	<u>70.5</u>	<u>84.6</u>	<u>76.8</u>
15. UNIT AVAILABILITY FACTOR.....	<u>70.5</u>	<u>84.6</u>	<u>77.1</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>68.2</u>	<u>82.9</u>	<u>67.0</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>65.6</u>	<u>79.7</u>	<u>63.4</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.5</u>	<u>0.2</u>	<u>3.3</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
Refueling, maintenance, and inspections - October 4 through November 14, 1976

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 B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH June 1976

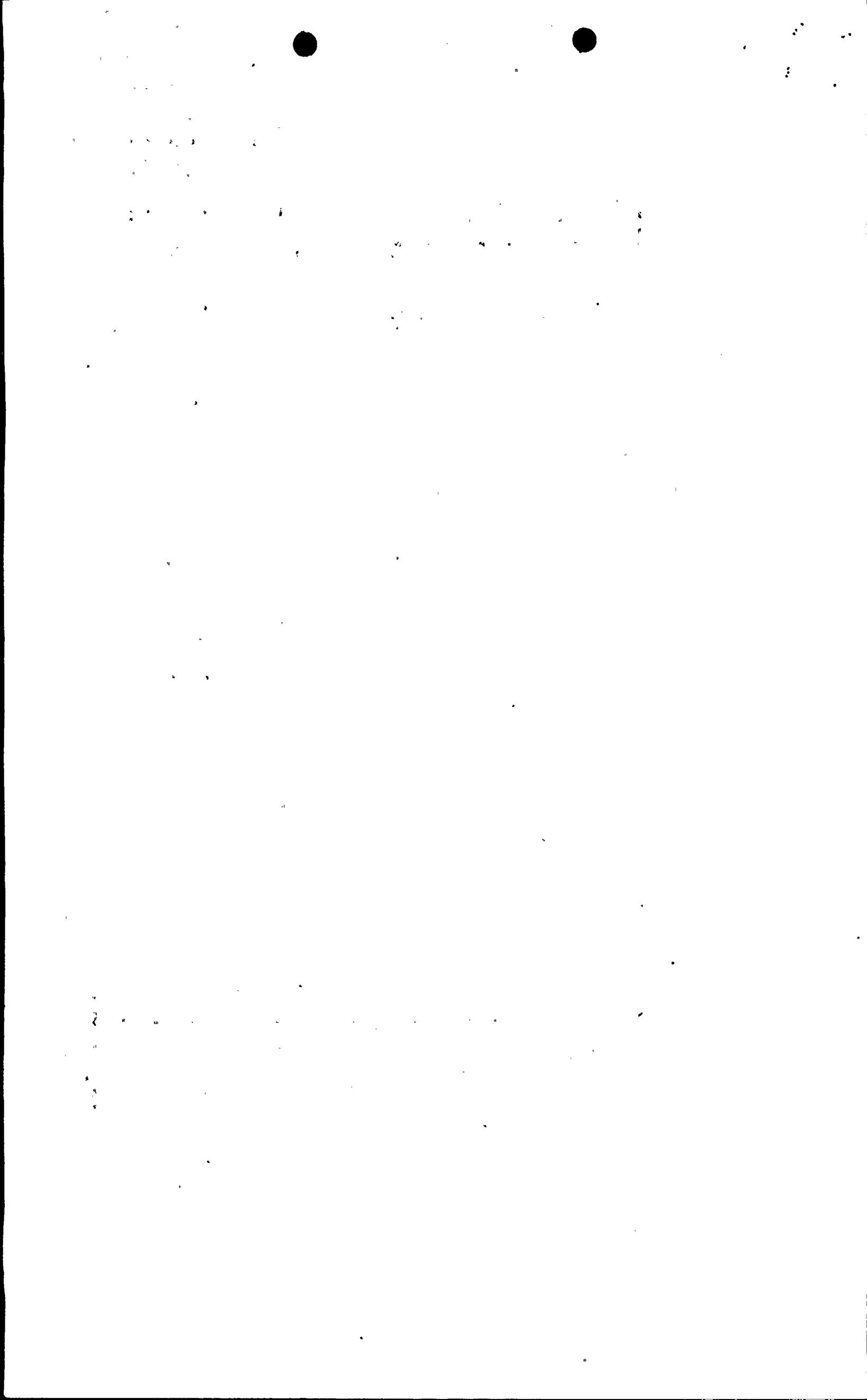
DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	---
2	---
3	116
4	664
5	674
6	672
7	669
8	662
9	592
10	669
11	549
12	675
13	672
14	672
15	670
16	668

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	667
18	667
19	661
20	6
21	---
22	---
23	---
24	---
25	---
26	496
27	656
28	585
29	657
30	659
-31-	---

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





## APPENDIX D

DOCKET NO. 50 - 250

## UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME Turkey Point Unit No: 3

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

REPORT MONTH June 1976

PAGE ONE OF TWO

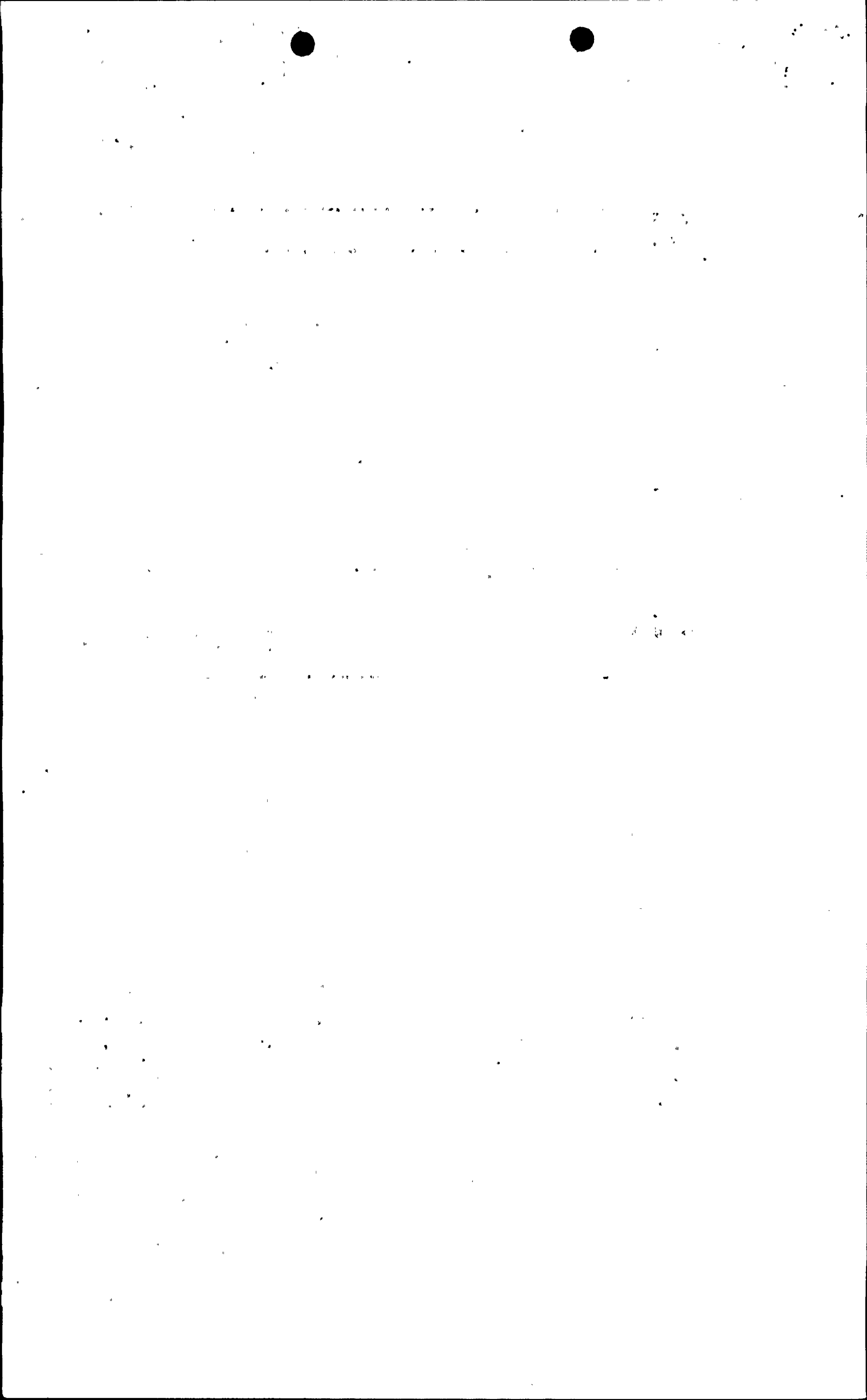
## REASON

- 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
12	76-05-28	S	64.8	A	1	Unit No. 3 was removed from service to locate and repair tube leak in steam generator No. 3A. There were no significant quantities of radioactive materials released as a result of this small leak. Corrective action was to plug the leaking tube. (Nuclear System)
13	76-06-09	F	1.3	A	3	Reactor was tripped by momentary actuation of a relay in the reactor protection system. Corrective action included cleaning associated relay contacts. (Nuclear System)
14	76-06-11	F	-0-	A	N/A	Load reduction due to low boron concentration in the boron injection tank. Corrective action taken was to increase boron concentration in the boron injection tank. (Nuclear System)
15	76-06-20	S	144.9	A	1	Unit No. 3 was removed from service to locate and repair tube leak in steam generator No. 3C. There were no significant quantities of radioactive materials released as a result of this small leak. Corrective action was to plug the leaking tube. (Nuclear System)



## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-250

UNIT NAME Turkey Point Unit No. 3

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

## 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)

REPORT MONTH June 1976

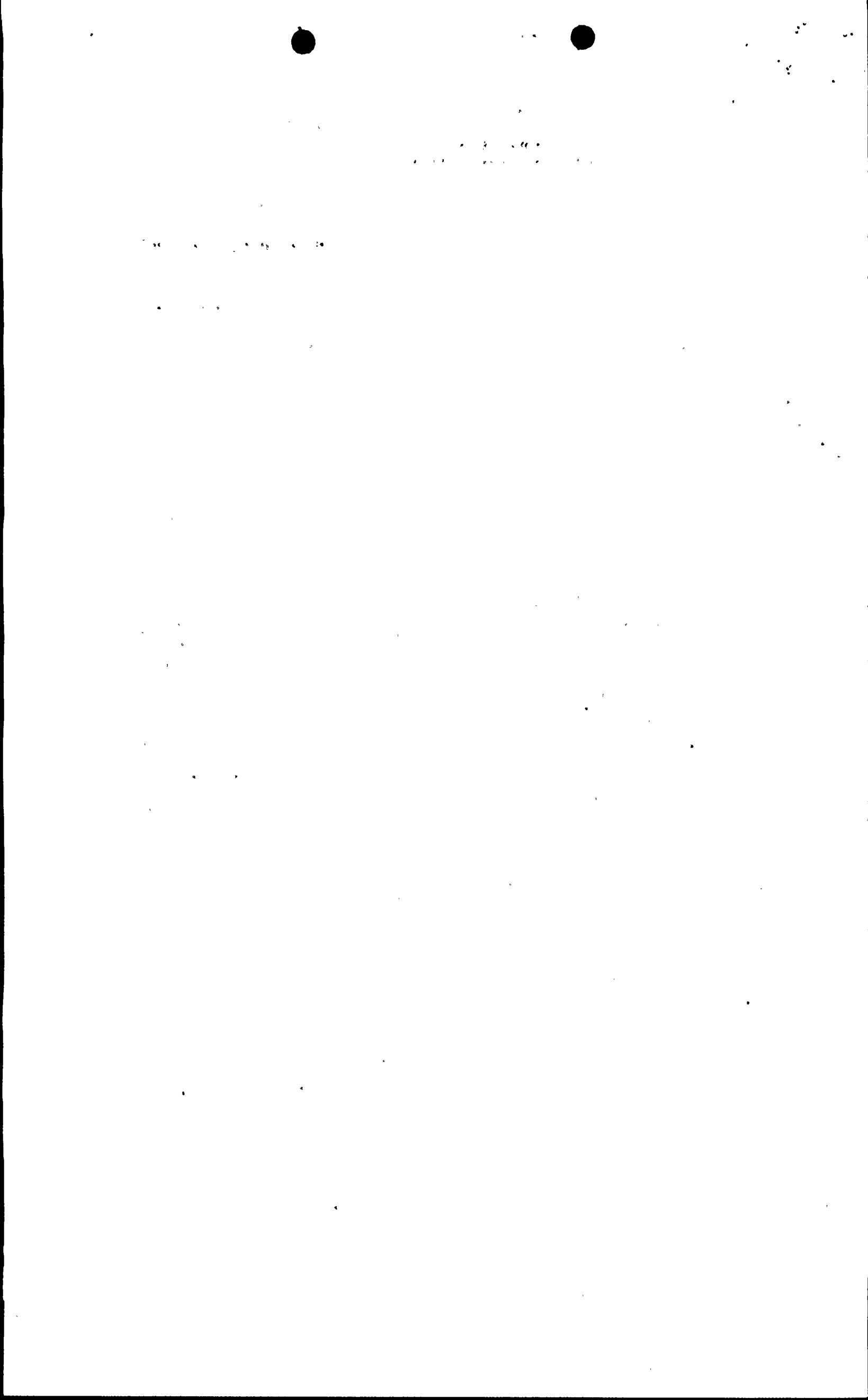
PAGE TWO OF TWO

## METHOD

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

NO.	DATE	TYPE		DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
		F: FORCED	S: SCHEDULED				
16	76-06-28	F		1.3	G	3	Reactor was tripped during the performance of power range nuclear instrumentation system test when a second power range channel was removed from service, in error. (Nuclear System)

SUMMARY: Unit No. 3 was returned to service on June 3, 1976 following completion of repairs to steam generator No. 3A. Unit operated at approximately 100 % R.P. during month except for load reduction on June 11, 1976, outage of June 20 - 26, 1976, and outage of June 28, 1976.



APPENDIX C  
OPERATING DATA REPORT

REPORT MONTH June 1976

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

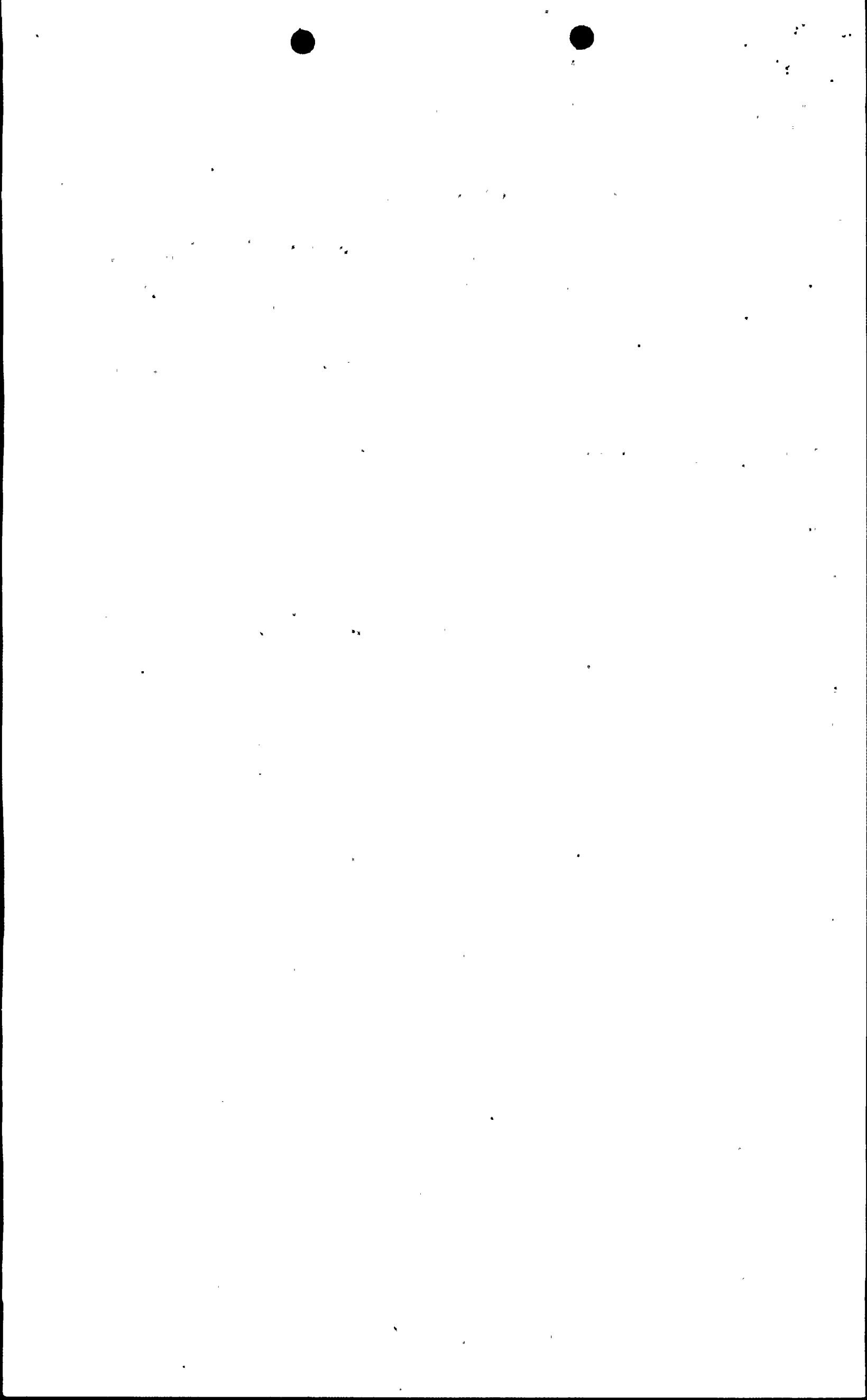
1. REPORTING PERIOD: 0001, 76, 06, 01 GROSS HOURS IN REPORTING PERIOD: 720.0  
THROUGH 2400, 76, 06, 30
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2 200  
MAX. DEPEND. CAPACITY (MWe-Net): 666  
DESIGN ELECTRICAL RATING. (MWe-Net): 693
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE
4. REASONS FOR RESTRICTION (IF ANY):

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL.....	<u>475.0</u>	<u>2 886.2</u>	<u>18 532.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>117.1</u>
7. HOURS GENERATOR ON LINE.....	<u>347.8</u>	<u>2 718.2</u>	<u>17 431.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>556 789</u>	<u>5 692 548</u>	<u>36 341 184</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>172 100</u>	<u>1 833 701</u>	<u>11 812 778</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>157 288</u>	<u>1 736 285</u>	<u>11 194 915</u>
12. REACTOR SERVICE FACTOR.....	<u>66.0</u>	<u>66.1</u>	<u>74.0</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>66.0</u>	<u>66.1</u>	<u>74.5</u>
14. UNIT SERVICE FACTOR.....	<u>48.3</u>	<u>62.2</u>	<u>69.6</u>
15. UNIT AVAILABILITY FACTOR.....	<u>48.3</u>	<u>62.2</u>	<u>69.6</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>32.8</u>	<u>59.7</u>	<u>68.0</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>31.5</u>	<u>57.4</u>	<u>64.5</u>
18. UNIT FORCED OUTAGE RATE.....	<u>28.8</u>	<u>6.8</u>	<u>4.1</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
NONE

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 B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH June 1976

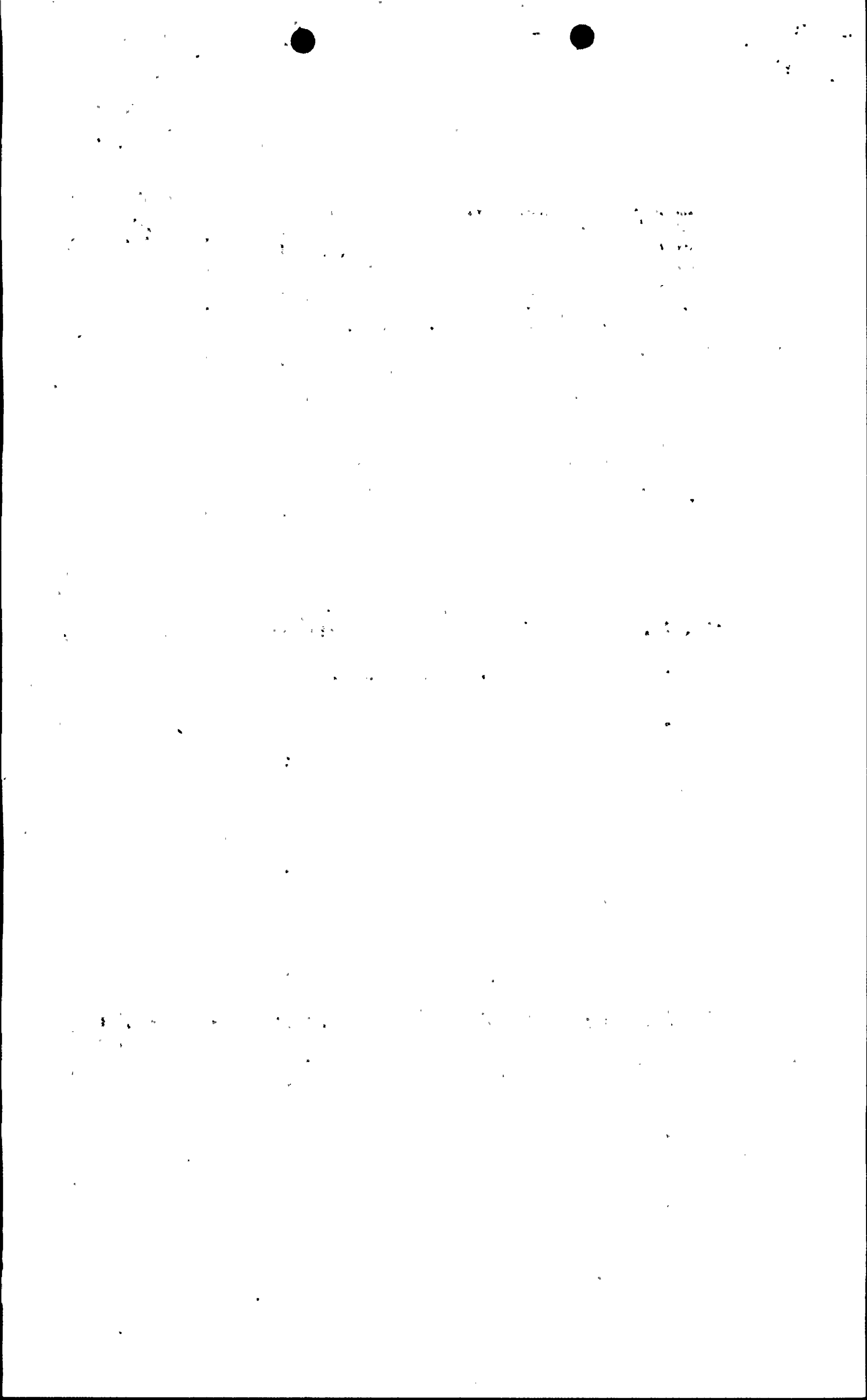
DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	---
2	---
3	---
4	---
5	---
6	---
7	---
8	---
9	---
10	35
11	298
12	280
13	---
14	---
15	---
16	50

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	---
18	---
19	210
20	222
21	225
22	192
23	488
24	679
25	679
26	681
27	671
28	666
29	663
30	662
31	---

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





## APPENDIX D

DOCKET NO. 50 - 251

## UNIT SHUTDOWNS AND POWER REDUCTIONS

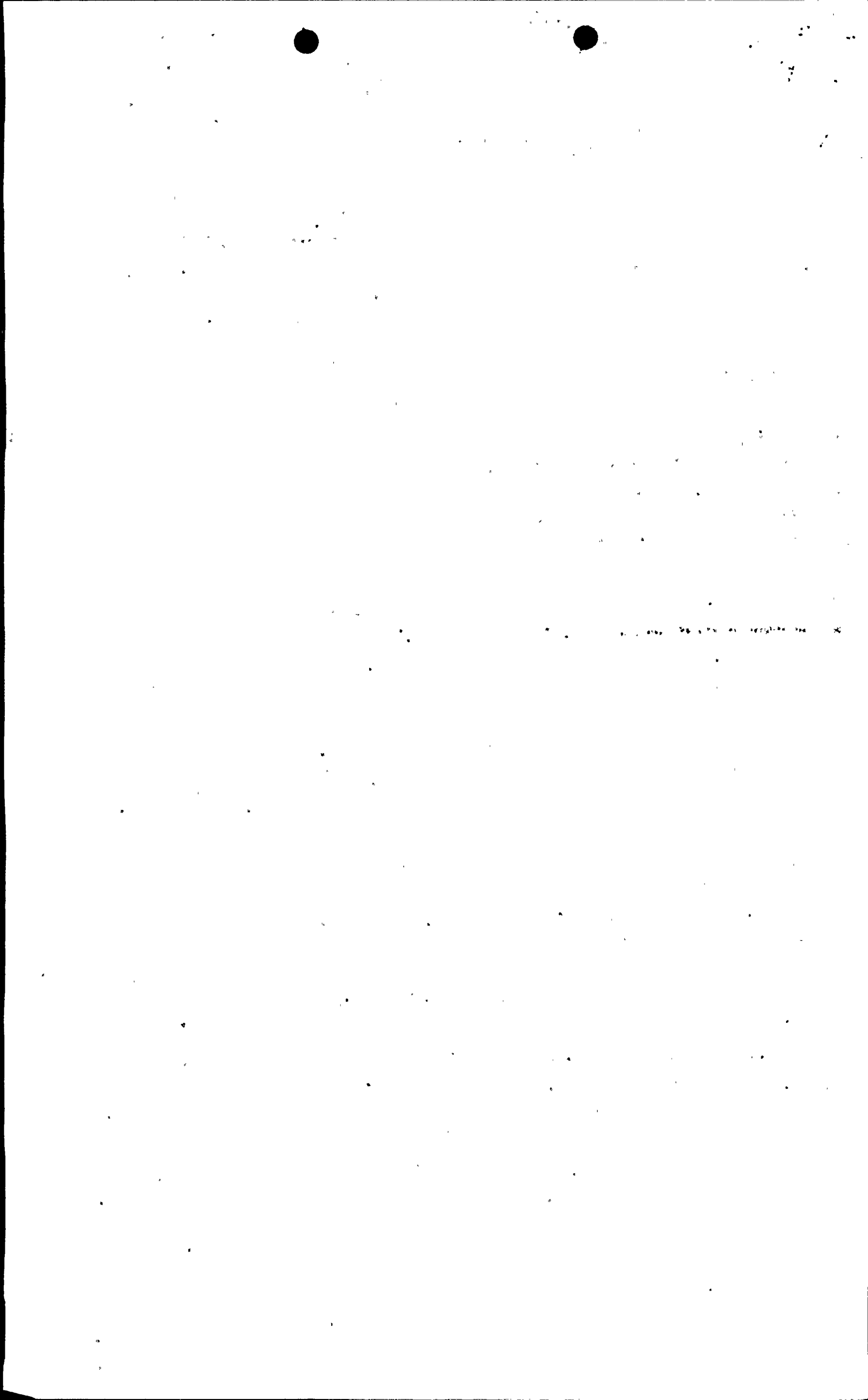
UNIT NAME Turkey Point Unit No. 4DATE July 2, 1976COMPLETED BY V. T. ChilsonTELEPHONE (305) 552 - 3830REPORT MONTH June 1976

- 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
10	76-04-18	S	232.0	C (142.0) B (90.0)	1	Unit No. 4 was removed from service for scheduled refueling, maintenance, and inspections. (Nuclear and Non-Nuclear Systems)
11	76-06-10	F	2.4	G	3	Reactor tripped on high steam flow coincident with low Tavg. Corrective action was to return the steam flow measuring instrumentation to an operable condition.
12	76-06-12	F	88.4	A	1	Unit No. 4 was removed from service to locate and correct cause of low boron concentration in the boron injection tank. Corrective action included repairing boron injection tank inlet valves. (Nuclear System)
13	76-06-17	F	46.6	A	4	Unit No. 4 was removed from service to locate and repair condenser tube leaks. (Non-Nuclear System)
14	76-06-22	F	3.0	A	3	Reactor was tripped on steam generator No. 4A low level coincident with steam flow greater than feedwater flow during transient condition caused by momentary drop in turbine control oil system pressure. (Non-Nuclear System)

SUMMARY: Unit No. 4 was returned to service on June 10, 1976 following completion of scheduled outage for refueling, maintenance, and inspections. The unit operated at approximately 100 % R.P. from June 23, 1976 through end of month after completion of repairs to condenser and boron injection tank inlet valves.



APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

REPORT MONTH June 1976

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

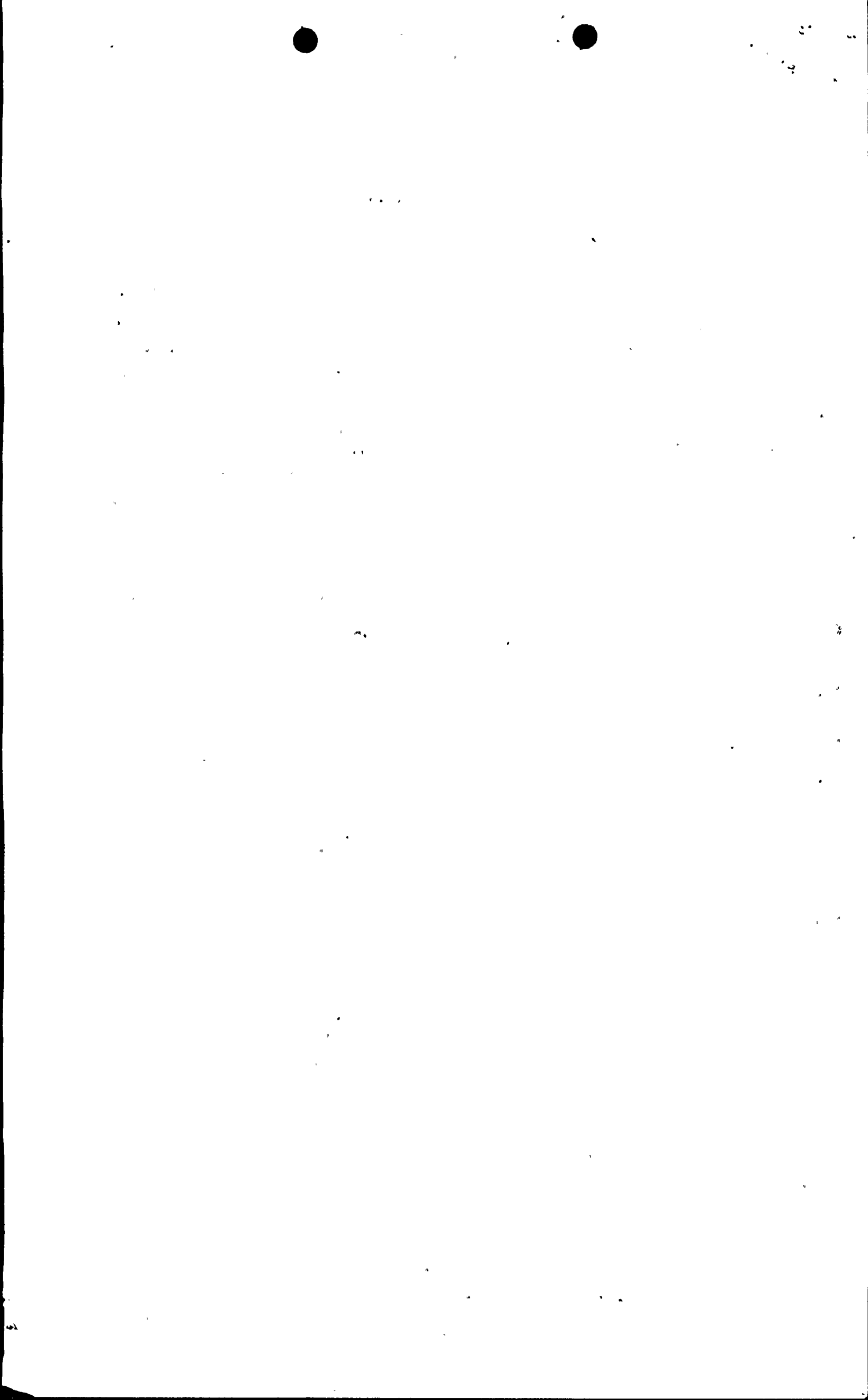
OPERATING STATUS

1. REPORTING PERIOD: 2359, 76, 06, 28 GROSS HOURS IN REPORTING PERIOD: 48.0  
THROUGH 2400, 76, 06, 30
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2 560  
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. NUMBER OF HOURS REACTOR WAS CRITICAL.....	<u>48.0</u>	<u>48.0</u>	<u>48.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
7. HOURS GENERATOR ON LINE.....	<u>48.0</u>	<u>48.0</u>	<u>48.0</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MWH).....	<u>97 690</u>	<u>97 690</u>	<u>97 690</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..	<u>28 170</u>	<u>28 170</u>	<u>28 170</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>26 099</u>	<u>26 099</u>	<u>26 099</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
14. UNIT SERVICE FACTOR.....	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0</u>	<u>100.0</u>	<u>100.0</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>67.8</u>	<u>67.8</u>	<u>67.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	<u>67.8</u>	<u>67.8</u>	<u>67.8</u>
18. UNIT FORCED OUTAGE RATE.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): NONE			

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>April 22, 1976</u>
INITIAL ELECTRICITY	_____	<u>May 7, 1976</u>
COMMERCIAL OPERATION	_____	<u>June 28, 1976</u>



APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH June, 1976

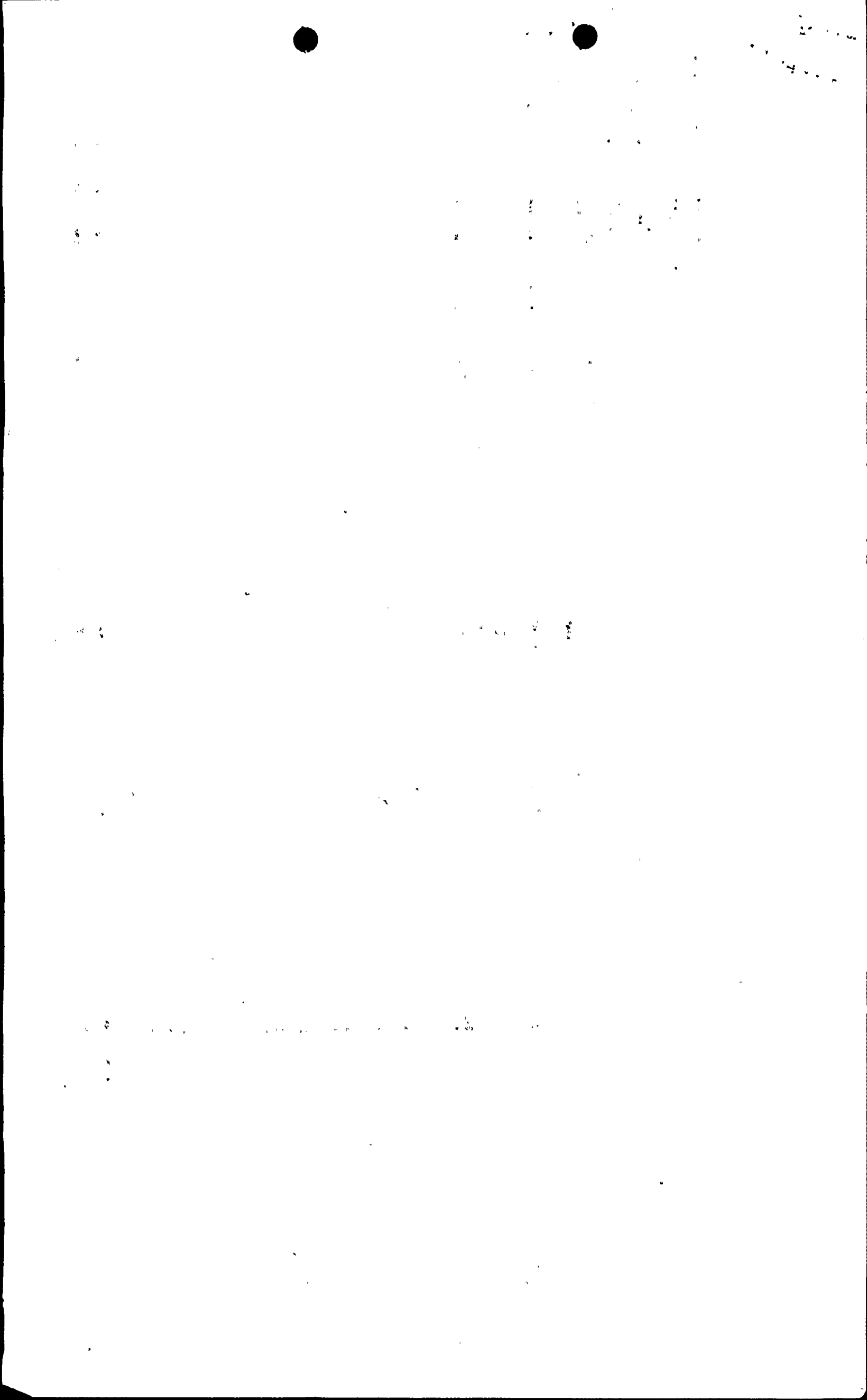
DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

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	_____ (1)
29	_____ 541
30	_____ 546
31	_____

(1) NOTE: St. Lucie Unit No. 1  
was placed in commercial  
operation at 11:59 p.m.  
June 28, 1976.



APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335

UNIT NAME St. Lucie Unit No. 1

DATE July 2, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

REPORT MONTH June, 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
						NONE

SUMMARY: St. Lucie Unit No. 1 was placed in commercial operation on June 28, 1976 at 11:59 p.m.  
 Unit operated at approximately 80 % R.P. through end of month.

