

50-250/251

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MONTHLY REPORT

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DESCRIPTION
LETTER TRANS THE FOLLOWING:

PLANT NAME: Turkey Point 3 & 4

ENCLOSURE
MONTHLY REPORT FOR September
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 10-25-76

ehf

MIPC			
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50-250
251

October 8, 1976

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



Gentlemen:

Attached are the September 1976 Operating Status Reports for
Turkey Point Units No. 3 and 4 and St. Lucie Unit No. 1.

Very truly yours,

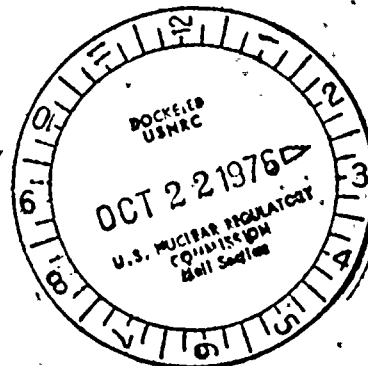
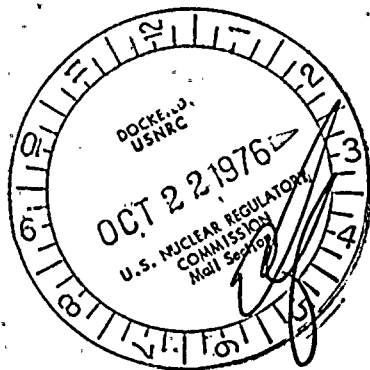
A. D. Schmidt
Vice President
Power Resources

REGULATORY DOCKET FILE COPY

VTC/ar

Attachments

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



10597



1944

1944

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

REPORT MONTH September 1976

DATE Oct. 4, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

1. REPORTING PERIOD: 0001, 76, 09, 01 GROSS HOURS IN REPORTING PERIOD: 720.0
THROUGH 2400, 76, 09, 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>702.1</u>	<u>5 701.1</u>	<u>26 981.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>64.2</u>	<u>64.7</u>
7. HOURS GENERATOR ON LINE.....	<u>698.4</u>	<u>5 636.6</u>	<u>26 006.6</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>1 525 830</u>	<u>12 118 588</u>	<u>49 430 848</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..	<u>478 577</u>	<u>3 834 905</u>	<u>15 850 141</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>454 835</u>	<u>3 638 678</u>	<u>14 994 440</u>
12. REACTOR SERVICE FACTOR.....	<u>97.5</u>	<u>86.7</u>	<u>80.5</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>97.5</u>	<u>87.7</u>	<u>80.7</u>
14. UNIT SERVICE FACTOR.....	<u>97.0</u>	<u>85.7</u>	<u>77.6</u>
15. UNIT AVAILABILITY FACTOR.....	<u>97.0</u>	<u>85.7</u>	<u>77.8</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>94.9</u>	<u>83.1</u>	<u>68.2</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	<u>91.2</u>	<u>79.9</u>	<u>64.5</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.1</u>	<u>3.1</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Refueling, Maintenance, and Inspections - October 31 through December 11, 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

UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME Turkey Point Unit No. 3

DATE Oct. 4, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

REPORT MONTH September 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
19	76-08-25	S	21.6	A	3 4	Continuation of August outage. (Nuclear System)

SUMMARY: Unit No. 3 operated at approximately 100 % R.P. during month after the unit was returned to service on September 1, 1976.



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE Oct. 4, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

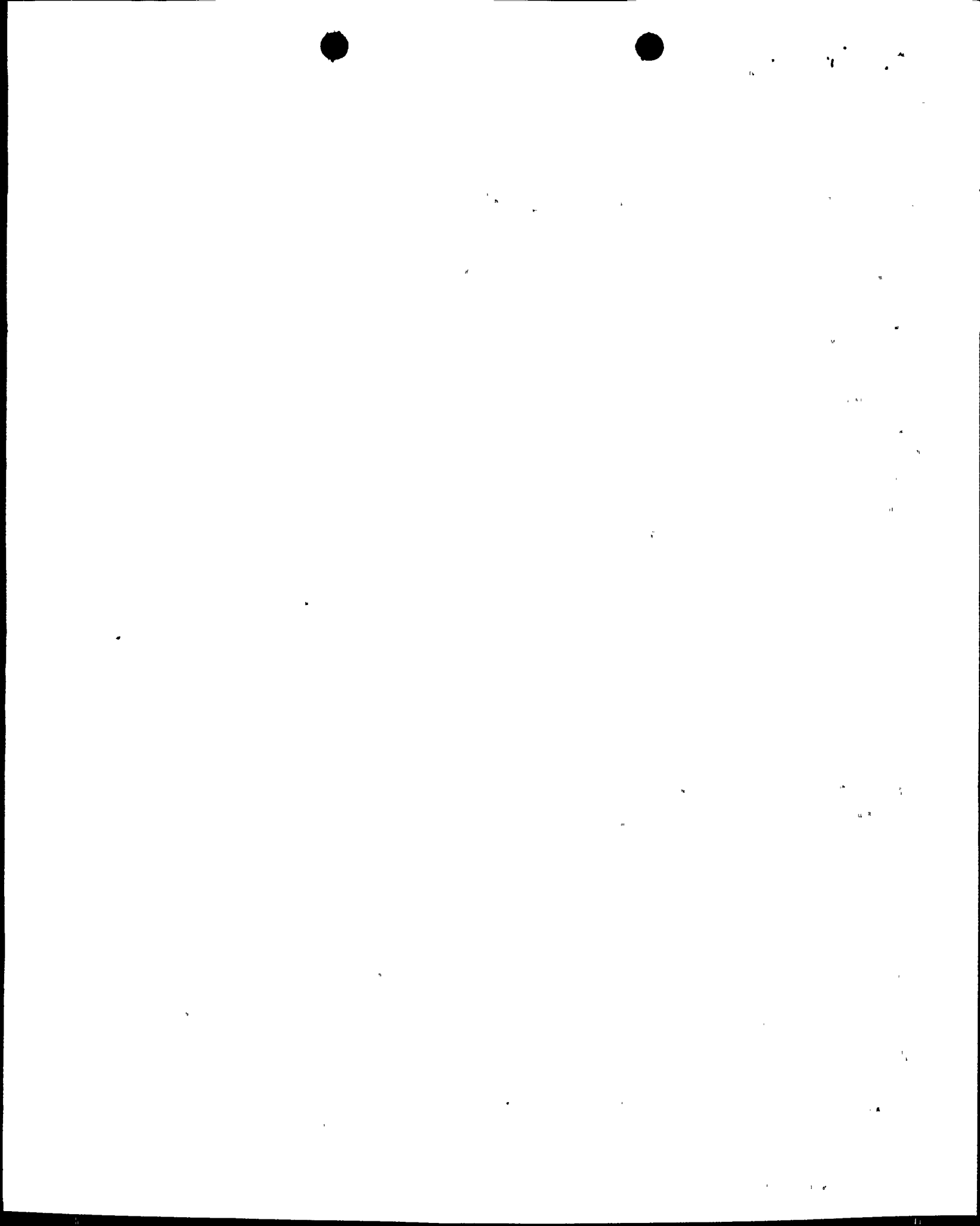
MONTH September 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>4</u>
2	<u>625</u>
3	<u>649</u>
4	<u>649</u>
5	<u>650</u>
6	<u>652</u>
7	<u>648</u>
8	<u>649</u>
9	<u>652</u>
10	<u>647</u>
11	<u>654</u>
12	<u>656</u>
13	<u>662</u>
14	<u>661</u>
15	<u>659</u>
16	<u>658</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>658</u>
18	<u>659</u>
19	<u>660</u>
20	<u>656</u>
21	<u>659</u>
22	<u>656</u>
23	<u>654</u>
24	<u>653</u>
25	<u>655</u>
26	<u>661</u>
27	<u>658</u>
28	<u>654</u>
29	<u>649</u>
30	<u>645</u>
31	<u>-----</u>



APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 -251

UNIT Turkey Point Unit No. 4

REPORT MONTH September 1976

DATE Oct. 4, 1976

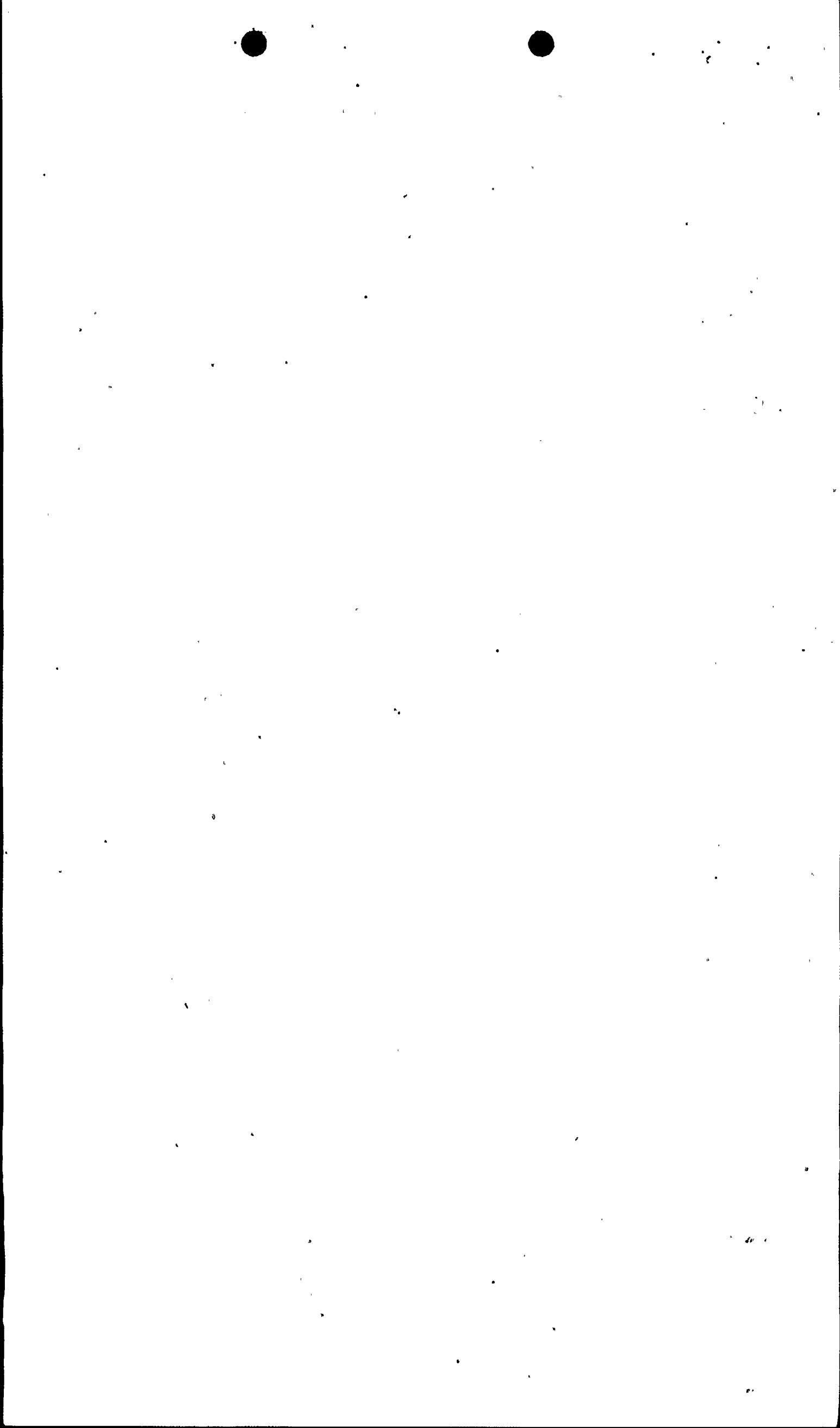
COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

1. REPORTING PERIOD: 0001, 76, 09, 01 GROSS HOURS IN REPORTING PERIOD: 720.0
THROUGH 2400, 76, 09, 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>450.0</u> | <u>4 821.4</u> | <u>20 467.4</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS..... | <u>0.0</u> | <u>0.0</u> | <u>117.1</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>430.1</u> | <u>4 630.7</u> | <u>19 344.3</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>890 774</u> | <u>9 823 252</u> | <u>40 471 889</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH).. | <u>277 448</u> | <u>3 133 956</u> | <u>13 113 033</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH).... | <u>261 446</u> | <u>2 971 310</u> | <u>12 429 940</u> |
| 12. REACTOR SERVICE FACTOR..... | <u>62.5</u> | <u>73.4</u> | <u>75.1</u> |
| 13. REACTOR AVAILABILITY FACTOR..... | <u>62.5</u> | <u>73.4</u> | <u>75.1</u> |
| 14. UNIT SERVICE FACTOR..... | <u>59.7</u> | <u>70.4</u> | <u>71.0</u> |
| 15. UNIT AVAILABILITY FACTOR..... | <u>59.7</u> | <u>70.4</u> | <u>71.0</u> |
| 16. UNIT CAPACITY FACTOR (Using MDC)..... | <u>54.5</u> | <u>67.9</u> | <u>69.3</u> |
| 17. UNIT CAPACITY FACTOR (Using Design MWe).. | <u>52.4</u> | <u>65.2</u> | <u>65.8</u> |
| 18. UNIT FORCED OUTAGE RATE..... | <u>2.8</u> | <u>4.5</u> | <u>3.8</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 D

UNIT SHUTDOWNS AND POWER REDUCTIONS

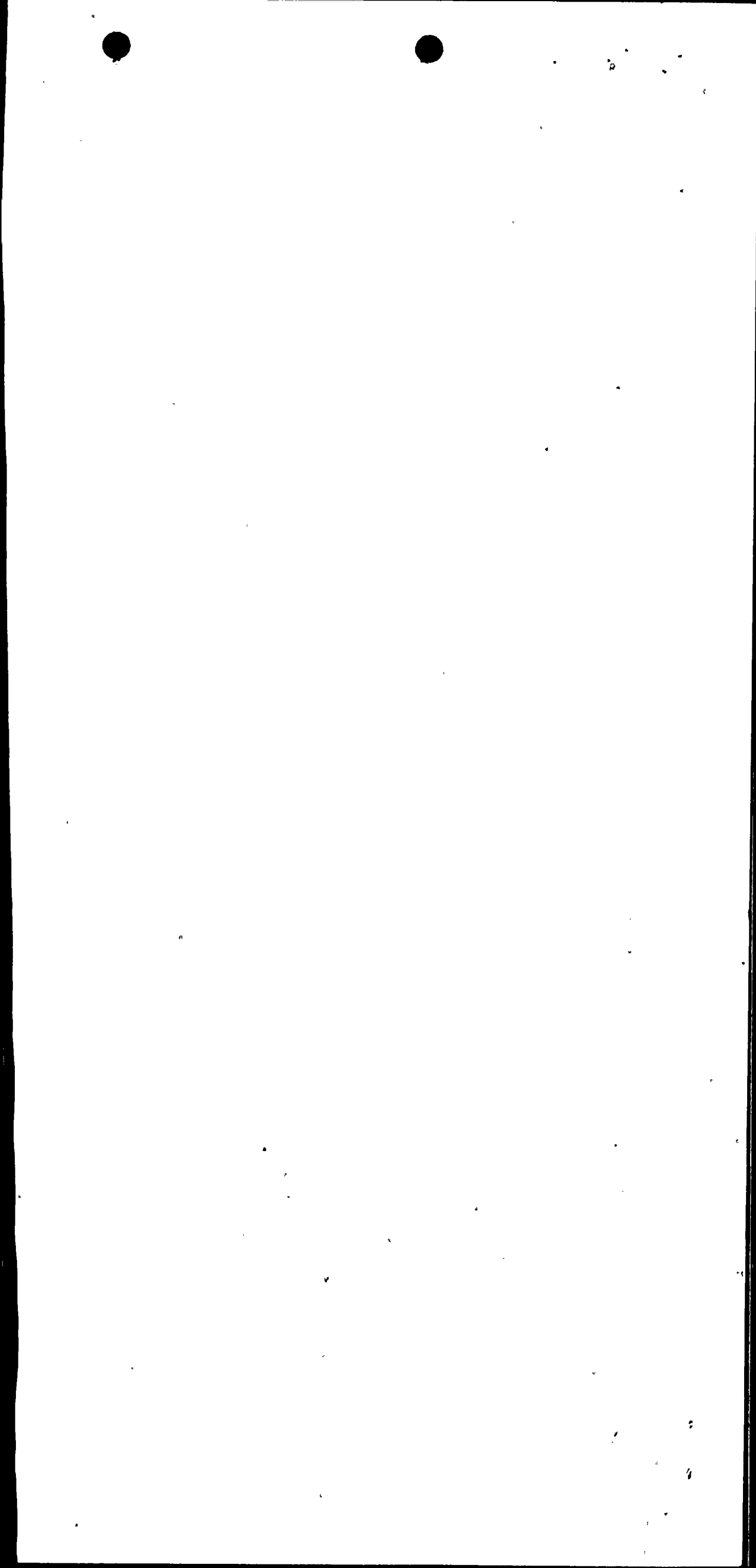
DOCKET NO. 50 - 251UNIT NAME Turkey Point Unit No. 4DATE Oct. 4, 1976COMPLETED BY V. T. ChilsonTELEPHONE (305) 552 - 3830REPORT MONTH September 1976

Sheet 1 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
16	76-09-06	F	-0-	A	N/A	Load reduction to locate and repair condenser tube leak. (Non-Nuclear System)
17	76-09-10	S	155.5	A	1	Unit No. 4 was removed from service to locate and repair tube leak in steam generator No. 4C. There were no significant quantities of radioactive materials released as a result of this small leak. Corrective action was to plug leaking tube. (Nuclear System)
18	76-09-16	F	1.4	A	3	Reactor was tripped by steam generator No. 4B low level coincident with steam flow greater than feedwater flow caused by failure of feedwater control valve to open.
19	76-09-16	F	1.0	A	3	Reactor was tripped by steam generator No. 4A low level coincident with steam flow greater than feedwater flow caused by failure of feedwater control valve to open. Corrective actions included verification of feedwater control system electrical connections. (Non-Nuclear System)



APPENDIX D

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH September 1976

Sheet 2 of 2

1) REASON

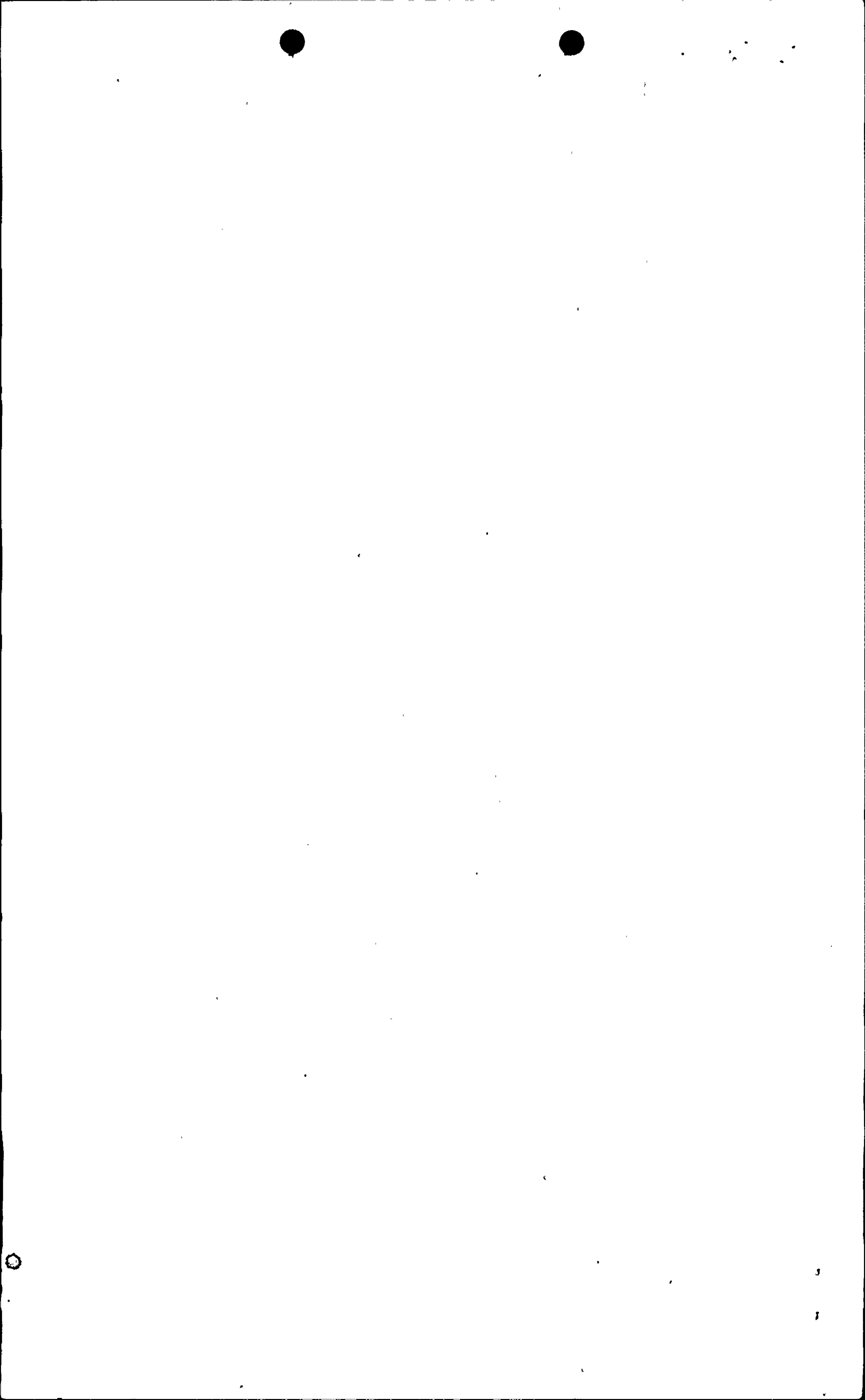
- A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINT. OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION
 E: OPERATOR TRAINING AND
 LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

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
20	76-09-16	F	3.1	A	2	Unit was tripped during load increase by malfunction of turbine load limit valve. (Non-Nuclear System)
21	76-09-18	F	5.2	A	3	Unit was tripped by actuation of generator lock-out relay caused by malfunction of automatic voltage regulator system. Corrective action included checking electrical connections to ensure proper contact. (Non-Nuclear System)
22	76-09-20	F	-0-	A	N/A	Load reduction to locate and repair condenser tube leak. (Non-Nuclear System)
23	76-09-21	F	1.5	A	2	Unit was tripped due to malfunction of turbine load limit valve. Corrective actions included repair of turbine load limit valve mechanism during Sept. 23, 1976 outage. (Non-Nuclear System)
24	76-09-23	F	122.7	A	1	Unit was removed from service to locate and repair tube leak in steam generator No. 4B. There were no significant quantities of radioactive materials released as a result of this small leak. Plugged leaking tube. (Nuclear System)

SUMMARY: Unit No. 4 operated at approximately 100 % R.P. during month except for load reductions on Sept. 6 and 20, 1976 and outages - Sept. 10 to 16, Sept. 16, 18, 21, and Sept. 23 - 29, 1976.



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Oct. 4, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH September 1976

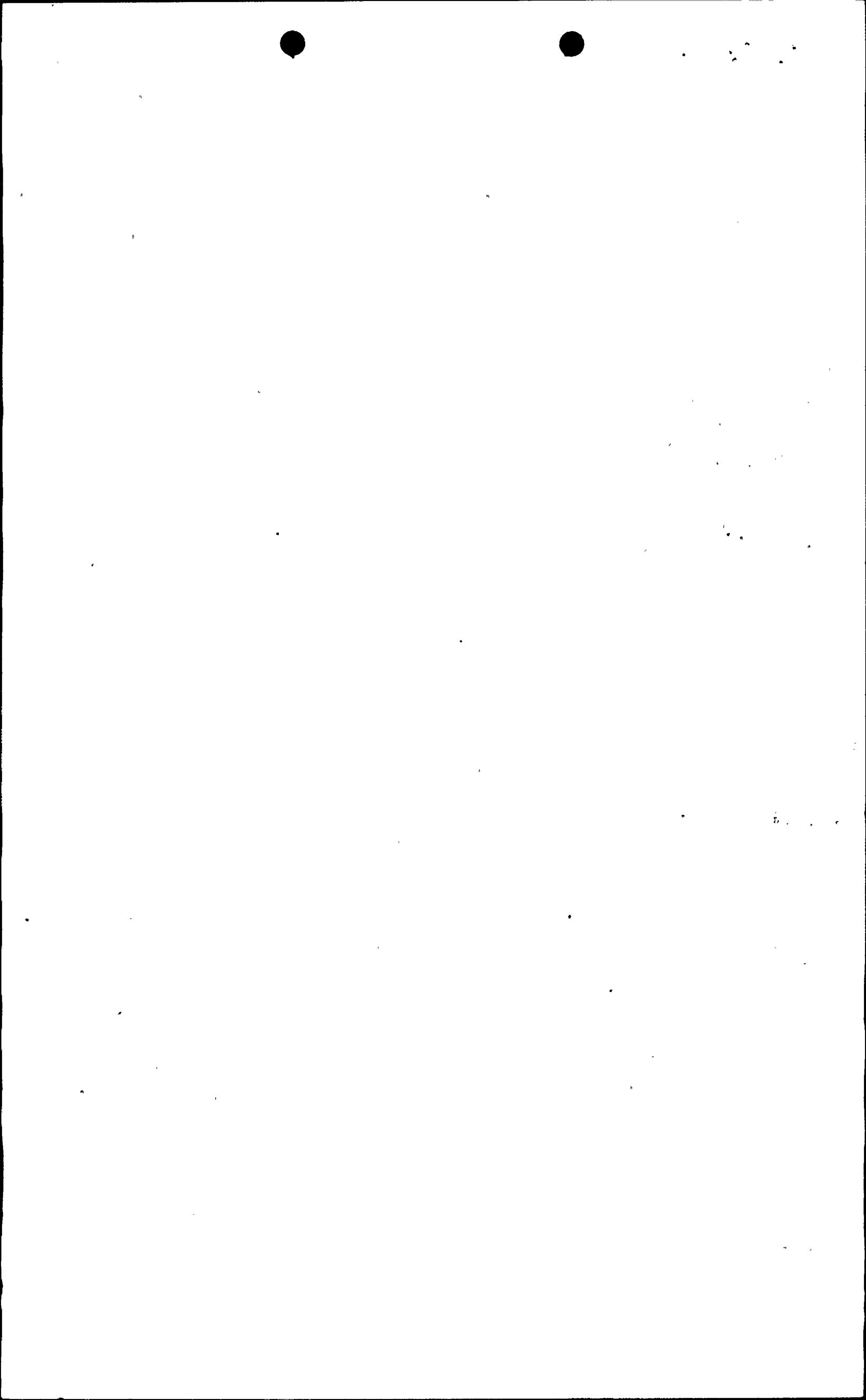
DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>648</u>
2	<u>644</u>
3	<u>643</u>
4	<u>645</u>
5	<u>644</u>
6	<u>640</u>
7	<u>390</u>
8	<u>647</u>
9	<u>603</u>
10	<u>---</u>
11	<u>---</u>
12	<u>---</u>
13	<u>---</u>
14	<u>---</u>
15	<u>---</u>
16	<u>120</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>594</u>
18	<u>474</u>
19	<u>669</u>
20	<u>633</u>
21	<u>481</u>
22	<u>669</u>
23	<u>596</u>
24	<u>---</u>
25	<u>---</u>
26	<u>---</u>
27	<u>---</u>
28	<u>---</u>
29	<u>545</u>
30	<u>662</u>
31	<u>-----</u>

NOTE: Daily Power Level Greater Than 666MWe Due To Cooler Condenser Cooling Water.



APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Oct. 4, 1976

REPORT MONTH September 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

1. REPORTING PERIOD: 0001, 76, 09, 01 GROSS HOURS IN REPORTING PERIOD: 720.0
THROUGH 2400, 76, 09, 30
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 2560
MAX. DEPEND. CAPACITY (MWe-Net): 802 (Estimated)
DESIGN ELECTRICAL RATING (MWe-Net): 802

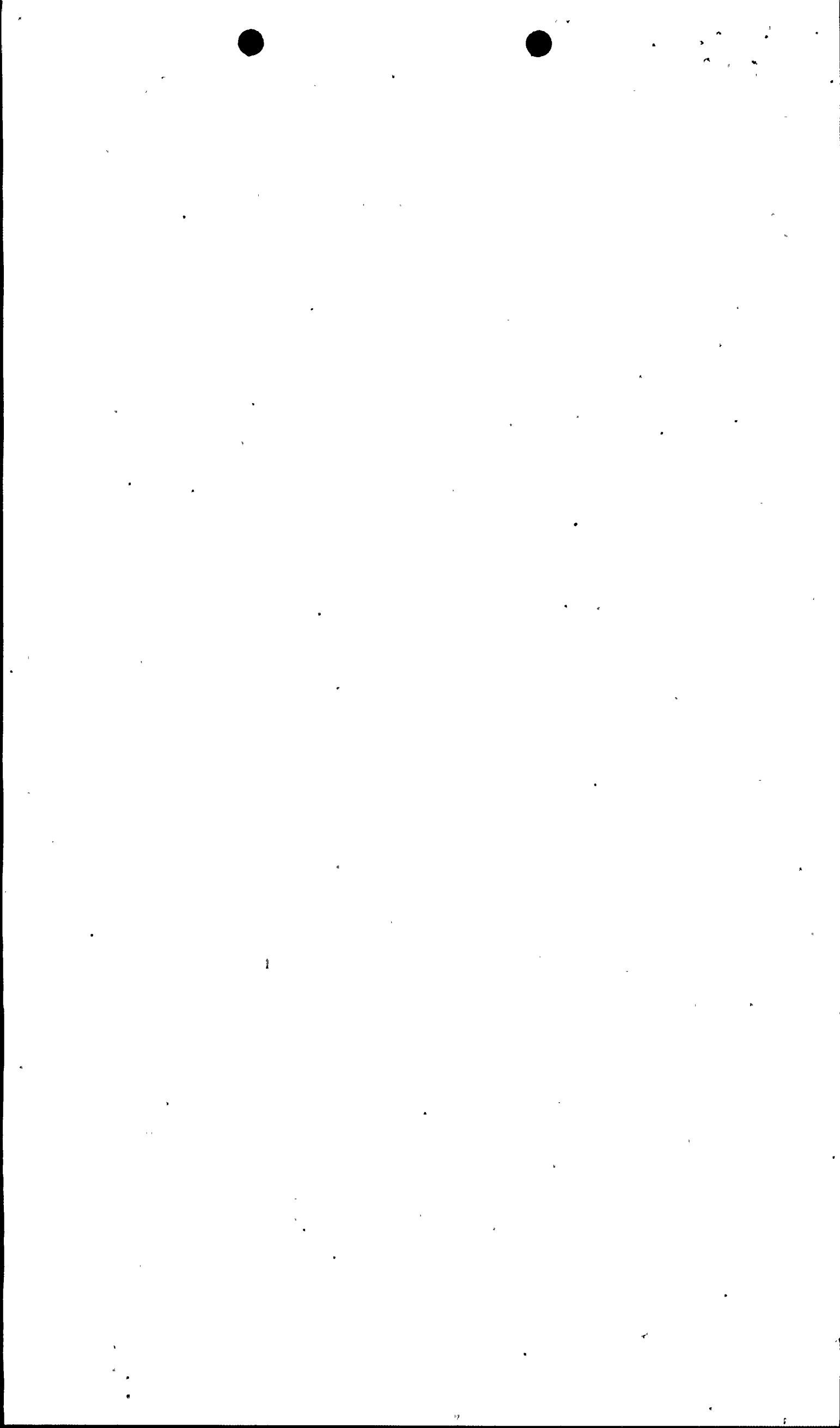
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): 722

4. REASONS FOR RESTRICTION (IF ANY):

"Temporary 90% restriction pending Reactor Coolant Flow Analysis"

	THIS MONTH	YEAR TO DATE	CUMULATIVE
5. NUMBER 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>38.5</u>	<u>38.5</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0</u>	<u>38.5</u>	<u>38.5</u>
14. UNIT SERVICE FACTOR.....	<u>0.0</u>	<u>32.0</u>	<u>32.0</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0</u>	<u>32.0</u>	<u>32.0</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>0.0</u>	<u>13.3</u>	<u>13.3</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	<u>0.0</u>	<u>13.3</u>	<u>13.3</u>
18. UNIT FORCED OUTAGE RATE.....	<u>100.0</u>	<u>39.1</u>	<u>39.1</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<u>N/A⁽¹⁾</u>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>---</u>		
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



UNIT SHUTDOWNS AND POWER REDUCTIONS

UNIT NAME St. Lucie Unit No. 1

DATE Oct. 4, 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)

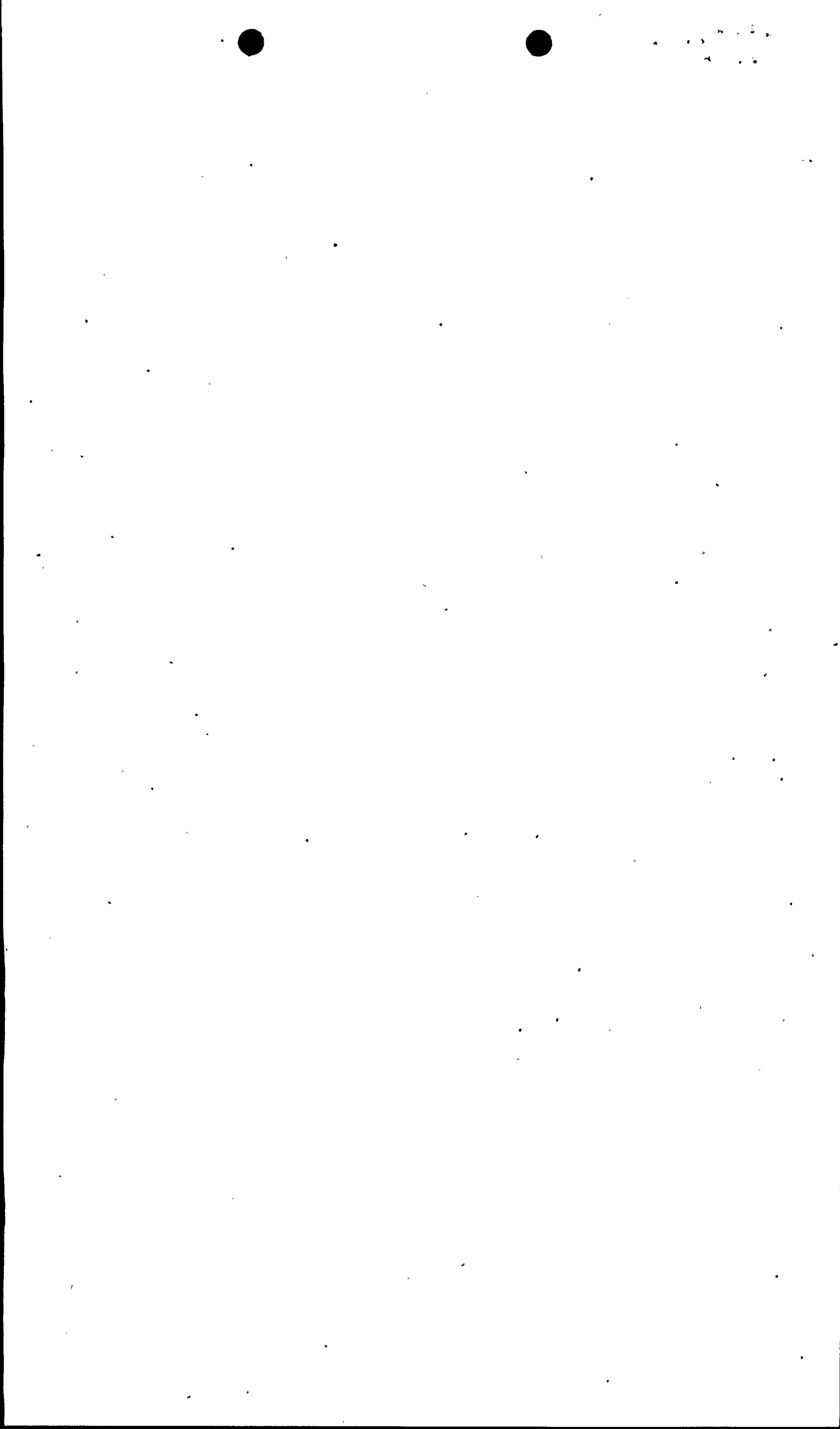
REPORT MONTH September 1976

METHOD

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

METHOD	NO.	DATE	TYPE		DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
			F: FORCED	S: SCHEDULED				
4	16	76-07-10	F		720.0	F	1	Unit was removed from service for reactor tests and inspection. (Nuclear System)

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



APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Oct. 4, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH September 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	----

