

50-250/251/335

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## DESCRIPTION

LETTER TRANS THE FOLLOWING:

SUBJECT:

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ANSWER:

SUBJECT:

## ENCLOSURE

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

PLANT NAME:

(1-P)

Turkey Point 3-& 4-  
St. Lucie #1

(8-P)

ACKNOWLEDGED  
DO NOT REMOVE

SAFETY

FOR ACTION/INFORMATION

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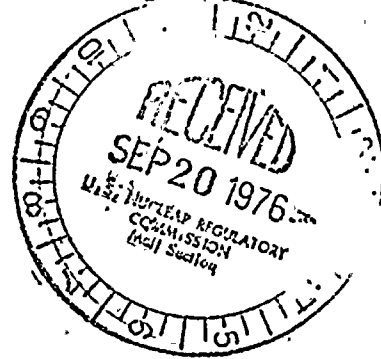
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CONTROL NUMBER

9550

September 7, 1976



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

Gentlemen:

Attached are the August, 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

**REGULATORY DOCKET FILE COPY**



9550



APPENDIX D  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE Sept. 3, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH August 1976

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	635
2	645
3	637
4	635
5	640
6	613
7	576
8	608
9	465
10	638
11	638
12	616
13	---
14	---
15	---
16	---

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	411
18	659
19	665
20	675
21	623
22	633
23	656
24	619
25	---
26	---
27	---
28	---
29	---
30	---
31	---

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

# APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 250  
UNIT NAME Turkey Point Unit No. 3  
DATE Sept. 3, 1976  
COMPLETED BY V. T. Chilson  
TELEPHONE (305) 552 - 3830

REASON  
1: EQUIPMENT FAILURE (EXPLAIN)  
2: PLANT ON TEST  
3: FUELING  
4: REGULATORY RESTRICTION  
5: OPERATOR TRAINING AND  
EXPERIENCE  
6: ADMINISTRATIVE  
7: OPERATIONAL ERROR (EXPLAIN)  
8: OTHER (EXPLAIN)

REPORT MONTH August 1976

REASON  
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	76-08-05	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)
17	76-08-08	F	-0-	A	N/A	Load reduction to locate and repair condenser tube leak. (Non-nuclear system)
18	76-08-13	S	101.8	A	1	Unit No. 3 was removed from service to repair leaking drain valve located inside containment (Nuclear System)
19	76-08-25	S	167.7	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 material released as a result of this small leak. Corrective action was to plug the leaking tube. (Nuclear System)

SUMMARY: Unit No. 3 operated at approximately 100% R.P. during month except for load reductions on August 6 and 8, outage of August 13 - 17, and outage of August 25 to September 1, 1976..

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Sept. 3, 1976

COMPLETED BY V. T. Chilson

TELEPHONE: (305) 552 - 3830

MONTH August 1976

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	654
2	656
3	655
4	652
5	653
6	651
7	654
8	649
9	650
10	653
11	652
12	659
13	661
14	660
15	660
16	655

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	657
18	658
19	667
20	668
21	657
22	644
23	642
24	644
25	642
26	644
27	650
28	659
29	658
30	655
31	652

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



# APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 251

UNIT NAME Turkey Point Unit No. 4

DATE Sept. 3, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

REPORT MONTH August 1976

1. REASON
2. EQUIPMENT FAILURE (EXPLAIN)
3. MAINT. OR TEST
4. FUELING
5. REGULATORY RESTRICTION
6. OPERATOR TRAINING AND LIMITED EXPERIENCE
7. ADMINISTRATIVE
8. OPERATIONAL ERROR (EXPLAIN)
9. OTHER (EXPLAIN)

METHOD	NO.	DATE	TYPE F: FORCED S: SCHEDULED	DURATION (HOURS)	REASON(1)	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER(2)	CORRECTIVE ACTIONS/COMMENTS
1. MANUAL				NONE			
2. MANUAL SCRAM							
3. AUTOMATIC SCRAM							
4. OTHER (EXPLAIN)							

SUMMARY: Unit No. 4 operated at approximately 100% R.P. during month.



# APPENDIX C OPERATING DATA REPORT

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Sept. 3, 1976

REPORT MONTH August 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3930

## OPERATING STATUS

1. REPORTING PERIOD: 0001,76,08,01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH 2400,76,08,31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWL): 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. NUMBER OF HOURS REACTOR WAS CRITICAL.....	<u>744.0</u>	<u>4 371.5</u>	<u>20 017.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>117.1</u>
7. HOURS GENERATOR ON LINE.....	<u>744.0</u>	<u>4 200.6</u>	<u>18 914.2</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
9. GROSS THERMAL ENERGY GENERATED (MMH).....	<u>1 627 439</u>	<u>8 932 479</u>	<u>39 581 115</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MMH) ..	<u>511 287</u>	<u>2 856 508</u>	<u>12 835 585</u>
11. NET ELECTRICAL ENERGY GENERATED (MMH)....	<u>486 418</u>	<u>2 709 864</u>	<u>12 168 494</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0</u>	<u>74.7</u>	<u>75.5</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0</u>	<u>74.7</u>	<u>75.9</u>
14. UNIT SERVICE FACTOR.....	<u>100.0</u>	<u>71.7</u>	<u>71.3</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0</u>	<u>71.7</u>	<u>71.3</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>98.2</u>	<u>69.5</u>	<u>69.7</u>
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	<u>94.3</u>	<u>66.8</u>	<u>66.2</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>4.6</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 B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Sept. 3, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

MONTH August 1976

DAY AVERAGE DAILY POWER LEVEL  
(RWE-Net)

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

DAY AVERAGE DAILY POWER LEVEL  
(RWE-Net)

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

# APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 335

UNIT NAME St. Lucie Unit No. 1

DATE Sept. 3, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

### REASON

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

REPORT MONTH August 1976

- 1: METHOD
- 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	76-07-10	F	744.0	F	1	Unit was removed from service for reactor tests and inspection. (Nuclear System)

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



APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 335

UNIT St. Lucie Unit 1

DATE Sept. 3, 1976

REPORT MONTH August 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552 - 3830

OPERATING STATUS

1. REPORTING PERIOD: 0001, 76, 08, 01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH 2400, 76, 08, 31
2. CURRENTLY AUTHORIZED POWER LEVEL (MWe): 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 (MMBtu).....	<u>-0-</u>	<u>1 495 088</u>	<u>1 495 088</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MMWh)...	<u>-0-</u>	<u>418 670</u>	<u>418 670</u>
11. NET ELECTRICAL ENERGY GENERATED (MMWh).....	<u>-0-</u>	<u>374 180</u>	<u>374 180</u>
12. REACTOR SERVICE FACTOR.....	<u>0.0</u>	<u>48.4</u>	<u>48.4</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0</u>	<u>48.4</u>	<u>48.4</u>
14. UNIT SERVICE FACTOR.....	<u>0.0</u>	<u>40.3</u>	<u>40.3</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0</u>	<u>40.3</u>	<u>40.3</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>0.0</u>	<u>16.7</u>	<u>16.7</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>0.0</u>	<u>16.7</u>	<u>16.7</u>
18. UNIT FORCED OUTAGE RATE.....	<u>100.0</u>	<u>56.5</u>	<u>56.5</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

