



Regulatory

File Cy.



January 7, 1977



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

Gentlemen:

Attached are the December, 1976 Operating Status Reports  
for Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit  
No. 1.

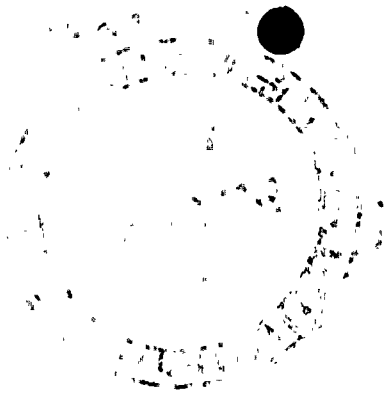
Very truly yours,

A. D. Schmidt  
Vice President  
Power Resources

VTC/DDC

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

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APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH December, 1976

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1     ---  
2     ---  
3     ---  
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DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17     ---  
18     ---  
19     ---  
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21     ---  
22     ---  
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APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

REPORT MONTH December, 1976

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,12,01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH 2400,76,12,31
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>0.0</u>	<u>6 760.0</u>	<u>28 040.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>64.2</u>	<u>67.4</u>
7. HOURS GENERATOR ON LINE.....	<u>0.0</u>	<u>6 669.1</u>	<u>27 039.1</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>-0-</u>	<u>14 417 328</u>	<u>51 729 588</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>-0-</u>	<u>4 555 215</u>	<u>16 570 451</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>- 1 706</u>	<u>4 320 173</u>	<u>15 675 935</u>
12. REACTOR SERVICE FACTOR.....	<u>0.0</u>	<u>77.0</u>	<u>78.5</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0</u>	<u>77.7</u>	<u>78.7</u>
14. UNIT SERVICE FACTOR.....	<u>0.0</u>	<u>75.9</u>	<u>75.7</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0</u>	<u>75.9</u>	<u>75.9</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>0.0</u>	<u>73.8</u>	<u>66.8</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>0.0</u>	<u>71.0</u>	<u>63.3</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.1</u>	<u>2.9</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: Jan. 16, 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> |

(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 December, 1976

DOCKET NO. 50 - 250

UNIT NAME Turkey Point Unit No. 3

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

(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
21	76-11-14	S	744.0	C	4	Unit No. 3 removed from service for refueling, maintenance, and inspections. (Continued from previous month). (Nuclear and Non-nuclear systems)

SUMMARY: Unit No. 3 removed from service for refueling, maintenance, and inspections. (Continued from previous month)



APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH December, 1976

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	---
2	---
3	17
4	521
5	683
6	689
7	687
8	661
9	664
10	696
11	690
12	689
13	684
14	680
15	687
16	687

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	690
18	697
19	689
20	605
21	683
22	692
23	692
24	693
25	695
26	692
27	691
28	693
29	689
30	688
31	690

NOTE: Average daily power level greater than 666 MWe due to cooler condenser cooling water.



APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 4

REPORT MONTH December, 1976

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,12,01 GROSS HOURS IN REPORTING PERIOD: 744.0  
THROUGH 2400,76,12,31
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>718.2</u>	<u>6 075.9</u>	<u>21 721.8</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>21.7</u>	<u>21.7</u>	<u>138.8</u>
7. HOURS GENERATOR ON LINE.....	<u>670.1</u>	<u>5 828.4</u>	<u>20 542.0</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>1 453 037</u>	<u>11 103 004</u>	<u>41 751 640</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>479 100</u>	<u>3 978 606</u>	<u>13 957 688</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>455 502</u>	<u>3 771 836</u>	<u>13 230 466</u>
12. REACTOR SERVICE FACTOR.....	<u>96.5</u>	<u>69.2</u>	<u>73.8</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>99.4</u>	<u>69.5</u>	<u>74.2</u>
14. UNIT SERVICE FACTOR.....	<u>90.1</u>	<u>66.4</u>	<u>69.8</u>
15. UNIT AVAILABILITY FACTOR.....	<u>90.1</u>	<u>66.4</u>	<u>69.8</u>
16. UNIT CAPACITY FACTOR (Using (MDC).....	<u>91.9</u>	<u>64.5</u>	<u>68.2</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>88.3</u>	<u>62.0</u>	<u>64.8</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.5</u>	<u>3.7</u>	<u>3.6</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):  
Repair steam generator tube leak - Jan. 6, 1977 through Jan. 12, 1977.  
Refueling, maintenance, and inspections - April 4, 1977 through May 22, 1977.
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: Jan. 12, 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 December, 1976

DOCKET NO. 50 - 251

UNIT NAME Turkey Point Unit No. 4

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

- (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
28	76-10-28	S	69.4	B	4	Unit No. 4 was removed from service for steam generator tube inspection program. (Continued from previous month) (Nuclear system)
29	76-12-04	F	3.2	A	3	Unit No. 4 tripped on steam generator No. 4 A high level during a transient condition caused by the loss of a vital instrument bus power supply. (Nuclear system)
30	76-12-20	F	1.3	A	3	Unit No. 4 tripped during a transient condition caused by the failure of a component in nuclear instrumentation system channel N-41. (Nuclear system)

SUMMARY: Unit No. 4 was returned to service on December 3, 1976 following completion of steam generator tube inspection program. Unit operated at 100% R.P. during month except for outages on Dec. 4, 1976 and Dec. 20, 1976.

APPENDIX B  
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH December, 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	370
22	377
23	376
24	374
25	380
26	374
27	371
28	378
29	376
30	373
31	374

APPENDIX C  
OPERATING DATA REPORT

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

REPORT MONTH December, 1976

DATE Jan. 6, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,12,21 GROSS HOURS IN REPORTING PERIOD: 264.0  
THROUGH 2400,76,12,31
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. NUMBERS OF HOURS REACTOR WAS CRITICAL.....	<u>264.0</u>	<u>264.0</u>	<u>264.0</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</u>
7. HOURS GENERATOR ON LINE.....	<u>264.0</u>	<u>264.0</u>	<u>264.0</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>347 603</u>	<u>347 603</u>	<u>347 603</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>108 270</u>	<u>108 270</u>	<u>108 270</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>98 975</u>	<u>98 975</u>	<u>98 975</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>46.7</u>	<u>46.7</u>	<u>46.7</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>46.7</u>	<u>46.7</u>	<u>46.7</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0</u>	<u>0.0</u>	<u>0.0</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: \_\_\_\_\_

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>Dec. 21, 1976</u>



## APPENDIX D

## UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH December, 1976DOCKET NO. 50 - 335UNIT NAME St. Lucie Unit No. 1DATE Jan. 6, 1977COMPLETED BY V. T. ChilsonTELEPHONE (305) 552-3830

- (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
						<u>N O N E</u>

SUMMARY: Unit No. 1 was placed in commercial operation on December 21, 1976, at 12:01 a.m. Unit operated at approximately 50% R.P. through end of month.

