NRC FORM 195 (2-76)

U.S. NUCLEAR REGULATORY COMMISSION

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(1-P)

ENCLOSURE

Monthly Report for APRIL, 1977
Plant & Component Operability & Availability.
This Report to be used in preparing Gray Book by Plans & Operations.

(8-P)

PLANT NAME:
Turkey Point Units 3 & 4

RJL

FOR ACTION/INFORMATION

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NRC FORM 195 (2-76)

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FPL
FLORIDA POWER & LIGHT COMPANY

May 5, 1977

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

Regulatory File Cy.

Gentlemen:

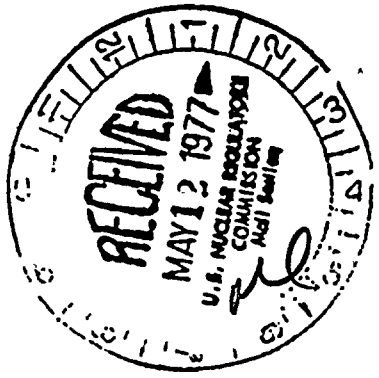
Attached are the April, 1977, Operating Status Reports for Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit No. 1.

Very truly yours,

A. D. Schmidt
Vice President
Power Resources

VTC/DDC

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



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APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

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

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH April 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	677	17	671
2	673	18	666
3	673	19	667
4	669	20	665
5	672	21	656
6	673	22	341
7	623	23	603
8	567	24	---
9	683	25	---
10	680	26	---
11	678	27	---
12	683	28	---
13	682	29	308
14	676	30	666
15	671	31	---
16	668		

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

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 250
UNIT Turkey Point Unit No. 3
DATE May 5, 1977
COMPLETED BY V. T. Chilson
TELEPHONE (305) 552-3769

REPORT MONTH April 1977

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,04,01 GROSS HOURS IN REPORTING PERIOD: 719.0*
   THROUGH 2400,77,04,30
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 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.....	594.2	2 388.8	30 428.9
6.	REACTOR RESERVE SHUTDOWN HOURS.....	-0-	-0-	67.4
7.	HOURS GENERATOR ON LINE.....	579.6	2 246.5	29 285.7
8.	UNIT RESERVE SHUTDOWN HOURS.....	-0-	-0-	85.0
9.	GROSS THERMAL ENERGY GENERATED (MWH).....	1 244 675	4 783 145	56 512 733
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)...	401 220	1 554 580	18 125 031
11.	NET ELECTRICAL ENERGY GENERATED (MWH).....	380 593	1 474 705	17 150 690
12.	REACTOR SERVICE FACTOR.....	82.6	83.0	78.8
13.	REACTOR AVAILABILITY FACTOR.....	82.6	83.0	79.0
14.	UNIT SERVICE FACTOR.....	80.6	78.0	75.8
15.	UNIT AVAILABILITY FACTOR.....	80.6	78.0	76.1
16.	UNIT CAPACITY FACTOR (Using (MDC).....	79.5	76.9	67.5
17.	UNIT CAPACITY FACTOR (Using Design MWe)...	76.4	73.9	64.1
18.	UNIT FORCED OUTAGE RATE.....	1.7	1.5	2.8

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	_____	_____

NOTE: * Change to Daylight Saving Time

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 - 250

UNIT NAME Turkey Point Unit No. 3

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

REPORT MONTH April 1977

(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
11	77-04-07	S	-0-	B	4	Load reduction to perform periodic test of turbine main steam stop, reheat stop, and reheat intercept valves. (Non-nuclear system)
12	77-04-22	F	9.8	B	1	Unit No. 3 was removed from service to repair stem packing leak on drain valve located inside containment. (Nuclear system)
13	77-04-24	S	129.6	B	1	Unit No. 3 was removed from service for maintenance. (Nuclear and Non-nuclear system)

SUMMARY: Unit No. 3 operated at approximately 100% R.P. except for load reduction on April 7, 1977, and outages on April 22, and April 24 to 29, 1977.

APPENDIX C
OPERATING DATA REPORT

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

REPORT MONTH April 1977

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,04,01 GROSS HOURS IN REPORTING PERIOD: 719.0*
   THROUGH 2400,77,04,30
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 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.....	611.5	2 394.9	24 116.7
6.	REACTOR RESERVE SHUTDOWN HOURS.....	-0-	-0-	138.8
7.	HOURS GENERATOR ON LINE.....	611.0	2 375.2	22 917.2
8.	UNIT RESERVE SHUTDOWN HOURS.....	-0-	-0-	-0-
9.	GROSS THERMAL ENERGY GENERATED (MWH).....	1 334 083	5 164 436	48 223 806
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)...	433 400	1 685 065	15 642 748
11.	NET ELECTRICAL ENERGY GENERATED (MWH).....	412 373	1 602 874	14 833 340
12.	REACTOR SERVICE FACTOR.....	85.0	83.2	74.6
13.	REACTOR AVAILABILITY FACTOR.....	85.0	83.2	75.0
14.	UNIT SERVICE FACTOR.....	85.0	82.5	70.9
15.	UNIT AVAILABILITY FACTOR.....	85.0	82.5	70.9
16.	UNIT CAPACITY FACTOR (Using (MDC).....	86.1	83.6	69.5
17.	UNIT CAPACITY FACTOR (Using Design MWe)...	82.8	80.3	66.2
18.	UNIT FORCED OUTAGE RATE.....	-0-	-0-	3.2

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
    Refueling, maintenance, and inspections - May 9 - July 9, 1977
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: May 4, 1977

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED
INITIAL CRITICALITY		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

NOTE: * Change to Daylight Saving Time

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

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

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH April 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	671	17	680
2	670	18	682
3	673	19	678
4	673	20	675
5	674	21	675
6	673	22	672
7	683	23	671
8	682	24	641
9	682	25	671
10	684	26	282
11	691	27	---
12	692	28	---
13	687	29	---
14	679	30	---
15	682	31	---
16	676		

NOTE: Average daily power 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 May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

REPORT MONTH April 1977

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
4	77-04-26	S	108.0	A	1	Unit No. 4 was removed from service to repair steam generator No. 4C tube leak. Corrective actions included plugging three leaking tubes. Additional tubes were plugged as a preventative measure. (Nuclear system)

SUMMARY: Unit No. 4 operated at approximately 100% R.P. except for outage of April 26 to May 4, 1977.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

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

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

MONTH April 1977

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	755	17	---
2	773	18	---
3	181	19	---
4	---	20	---
5	---	21	---
6	---	22	---
7	---	23	---
8	---	24	---
9	---	25	---
10	---	26	---
11	188	27	---
12	786	28	---
13	794	29	150
14	776	30	242
15	509	31	---
16	---		

NOTE: Average daily power greater than 777 MWe due to cooler condenser cooling water.

APPENDIX C
OPERATING DATA REPORT

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

REPORT MONTH April 1977

DATE May 5, 1977

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3769

OPERATING STATUS

1. REPORTING PERIOD: 0001,77,04,01 GROSS HOURS IN REPORTING PERIOD: 719.0*
THROUGH 2400,77,04,30
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 2560
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.....	207.4	2 313.6	2 577.6
6. REACTOR RESERVE SHUTDOWN HOURS.....	-0-	-0-	-0-
7. HOURS GENERATOR ON LINE.....	181.8	2 217.4	2 481.4
8. UNIT RESERVE SHUTDOWN HOURS.....	-0-	-0-	-0-
9. GROSS THERMAL ENERGY GENERATED (MWH).....	407 185	4 706 482	5 054 085
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	133 040	1 545 000	1 653 270
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	118 624	1 440 576	1 539 551
12. REACTOR SERVICE FACTOR.....	28.8	80.3	82.0
13. REACTOR AVAILABILITY FACTOR.....	28.8	80.3	82.0
14. UNIT SERVICE FACTOR.....	25.3	77.0	79.0
15. UNIT AVAILABILITY FACTOR.....	25.3	77.0	79.0
16. UNIT CAPACITY FACTOR (Using (MDC).....	21.2	64.4	63.0
17. UNIT CAPACITY FACTOR (Using Design MWe)...	20.6	62.4	61.1
18. UNIT FORCED OUTAGE RATE.....	74.7	21.1	19.3

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		
INITIAL ELECTRICITY		
COMMERCIAL OPERATION		

NOTE: * Change to Daylight Saving Time

(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)

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH April 1977

DOCKET NO. 50 - 335
UNIT NAME St. Lucie Unit No. 1
DATE May 5, 1977
COMPLETED BY V. T. Chilson
TELEPHONE (305) 552-3769

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	77-04-03	F	200.0	A	2	Unit was manually tripped when a fire occurred in the area of the generator main lead box. Corrective actions included repairing hydrogen leak and modifying generator main lead box. Outage was extended to perform other maintenance work. (Non-nuclear system)
13	77-04-15	F	332.5	A	2	Unit was manually tripped due to loss of containment instrument air which resulted in loss of component cooling water to equipment located inside containment. Corrective actions included replacing the instrument air compressor discharge check valves and providing an automatic redundant instrument air supply. (Nuclear System)
14	77-04-30	F	4.6	A	3	Unit was tripped during transient condition caused by malfunction of heater drain pump control system. (Non-nuclear system)

SUMMARY: Unit operated at approximately 99% R.P. except for unit outages on April 3 to 11, April 15 to 29, and April 30, 1977.