

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
MONTHLY REPORT

TO:

N. R. C.

FROM:
Florida Power & Light Company
Miami, Florida
A. D. Schmidt

DATE OF DOCUMENT
11/8/76

DATE RECEIVED
11/12/76

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP
INPUT FORM

NUMBER OF COPIES RECEIVED
One signed

DESCRIPTION
LETTER TRANS THE FOLLOWING:

PLANT NAME: (1-P)
Turkey Point Units 3 & 4
St. Lucie Unit 1

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

(10-P) ACKNOWLEDGED

DO NOT REMOVE

SAFETY FOR ACTION/INFORMATION ENVIRO 11/12/76 RJL

<input checked="" type="checkbox"/>	MIPC		
	W/4 CYS FOR ACTION		

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/>	REG FILE		
<input checked="" type="checkbox"/>	NRC PDR		
<input checked="" type="checkbox"/>	MCDONALD		
<input checked="" type="checkbox"/>	S. CHAPMAN		
<input checked="" type="checkbox"/>	BRANCH CHIEF(L)	Lear/Ziemann	
<input checked="" type="checkbox"/>	LIC. ASST. (L)	Parrish/Diggs	

<input checked="" type="checkbox"/>	LPDR: Miami, Florida.	EXTERNAL DISTRIBUTION	
<input checked="" type="checkbox"/>	LPDR: Ft. Pierce, Fla.		
<input checked="" type="checkbox"/>	TIC		
<input checked="" type="checkbox"/>	NSIC		

CONTROL NUMBER
11534



November 8, 1976

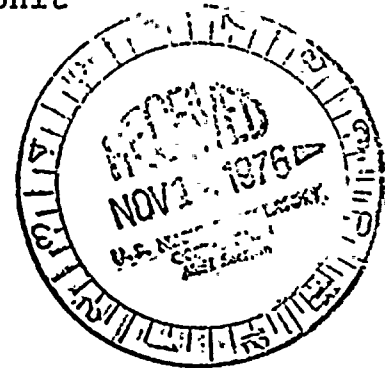
Office of Management Information
and Program Controls
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Gentlemen:

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

Very truly yours,

A. D. Schmidt
A. D. Schmidt
Vice President
Power Resources



VTC/DDC
Attachments

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



REGULATORY DOCKET FILE COPY

11534

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>650</u>
2	<u>658</u>
3	<u>657</u>
4	<u>655</u>
5	<u>656</u>
6	<u>652</u>
7	<u>651</u>
8	<u>630</u>
9	<u>596</u>
10	<u>643</u>
11	<u>640</u>
12	<u>639</u>
13	<u>620</u>
14	<u>578</u>
15	<u>648</u>
16	<u>651</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>643</u>
18	<u>628</u>
19	<u>648</u>
20	<u>656</u>
21	<u>654</u>
22	<u>659</u>
23	<u>667</u>
24	<u>663</u>
25	<u>651</u>
26	<u>642</u>
27	<u>647</u>
28	<u>649</u>
29	<u>654</u>
30	<u>660</u>
31	<u>655</u>

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 250

UNIT Turkey Point Unit No. 3

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,10,01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400,76,10,31
 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>745.0*</u> | <u>6 446.1</u> | <u>27 726.2</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS..... | <u>0.0</u> | <u>64.2</u> | <u>67.4</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>745.0*</u> | <u>6 355.6</u> | <u>26 725.6</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>1 614 694</u> | <u>13 733 282</u> | <u>51 045 542</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH)... | <u>505 740</u> | <u>4 340 645</u> | <u>16 355 881</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)..... | <u>480 673</u> | <u>4 119 351</u> | <u>15 475 113</u> |
| 12. REACTOR SERVICE FACTOR..... | <u>100.0</u> | <u>88.1</u> | <u>80.9</u> |
| 13. REACTOR AVAILABILITY FACTOR..... | <u>100.0</u> | <u>88.9</u> | <u>81.1</u> |
| 14. UNIT SERVICE FACTOR..... | <u>100.0</u> | <u>86.8</u> | <u>78.0</u> |
| 15. UNIT AVAILABILITY FACTOR..... | <u>100.0</u> | <u>86.8</u> | <u>78.2</u> |
| 16. UNIT CAPACITY FACTOR (Using (MDC)..... | <u>96.9</u> | <u>84.5</u> | <u>68.8</u> |
| 17. UNIT CAPACITY FACTOR (Using Design MWe)... | <u>93.1</u> | <u>81.2</u> | <u>65.2</u> |
| 18. UNIT FORCED OUTAGE RATE..... | <u>0.0</u> | <u>0.1</u> | <u>3.0</u> |
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):
Refueling, maintenance, and inspections
 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: * Changed from DST to EST on October 31, 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)

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1976

DOCKET NO. 50 - 250
 UNIT NAME Turkey Point Unit No. 3
 DATE Nov. 5, 1976
 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
20	76-10-08	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)

SUMMARY: Unit No. 3 operated at approximately 100% R.P. during month except for load reduction on October 8, 1976 to perform periodic test of turbine main steam stop, reheat stop, and reheat intercept valves.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 1976

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>666</u>
2	<u>676</u>
3	<u>676</u>
4	<u>673</u>
5	<u>675</u>
6	<u>667</u>
7	<u>666</u>
8	<u>663</u>
9	<u>610</u>
10	<u>---</u>
11	<u>---</u>
12	<u>---</u>
13	<u>---</u>
14	<u>65</u>
15	<u>664</u>
16	<u>679</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>674</u>
18	<u>673</u>
19	<u>596</u>
20	<u>630</u>
21	<u>675</u>
22	<u>683</u>
23	<u>683</u>
24	<u>685</u>
25	<u>562</u>
26	<u>620</u>
27	<u>621</u>
28	<u>---</u>
29	<u>---</u>
30	<u>---</u>
31	<u>---</u>

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

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 251

UNIT Turkey Point Unit No. 4

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001,76,10,01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400,76,10,31
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>536.2</u>	<u>5 357.6</u>	<u>21 003.6</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0.0</u>	<u>0.0</u>	<u>.117.1</u>
7. HOURS GENERATOR ON LINE.....	<u>527.7</u>	<u>5 159.3⁽¹⁾</u>	<u>20 434.0⁽¹⁾</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>1 134 444</u>	<u>10 957 697</u>	<u>41 606 333</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>365 550</u>	<u>3 499 506</u>	<u>13 478 583</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>346 662</u>	<u>3 317 972</u>	<u>12 776 602</u>
12. REACTOR SERVICE FACTOR.....	<u>72.0</u>	<u>73.2</u>	<u>75.1</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>72.0</u>	<u>73.2</u>	<u>75.5</u>
14. UNIT SERVICE FACTOR.....	<u>70.8</u>	<u>70.5</u>	<u>73.0</u>
15. UNIT AVAILABILITY FACTOR.....	<u>70.8</u>	<u>70.5</u>	<u>73.0</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>69.9</u>	<u>68.1</u>	<u>69.3</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>67.1</u>	<u>65.4</u>	<u>65.9</u>
18. UNIT FORCED OUTAGE RATE.....	<u>1.0</u>	<u>4.1</u>	<u>3.6</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 | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

NOTE: * Changed DST to EST on October 31, 1976

(1) Corrected-to-date

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1976

PAGE ONE OF TWO

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point Unit No. 4
 DATE Nov. 5, 1976
 COMPLETED BY V. T. Chilson
 TELEPHONE (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
25	76-10-09	S	115.7	A	1	Unit No. 4 was removed from service to locate and repair tube leak in steam generator No. 4B. 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)
26	76-10-19	F	1.1	A	3	Reactor was tripped by steam generator No. 4A protection system when the feedwater regulator was closed by failure of a solenoid valve. Corrective action was to replace the failed solenoid. (Non-nuclear System)
27	76-10-19	F	1.7	A	3	Unit No. 4 was tripped by actuation of the loss of field relay caused by malfunction of the generator voltage regulator system. (Non-nuclear System)

- 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

DOCKET NO. 50 - 251

UNIT NAME Turkey Point Unit No. 4

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

REPORT MONTH October, 1976

PAGE TWO OF TWO

- 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
27	76-10-19	F	2.3	A	3	Unit No. 4 was tripped by actuation of generator over-excitation relay caused by malfunction of voltage regulator system. Corrective action included repairs to one of the two solid state power supply units in the voltage regulator control section. (Non-nuclear System)
28	76-10-28	S	96.5	B	1	Unit No. 4 was removed from service for steam generator tube inspection program. (Nuclear System)

SUMMARY: Unit No. 4 operated at approximately 100% R.P. during month, except for outages on Oct. 9 to 14 and Oct. 19, until Oct. 28, 1976, when the unit was removed from service to perform steam generator tube inspection.

APPENDIX B
AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

MONTH October, 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 ---

APPENDIX C
OPERATING DATA REPORT

DOCKET NO. 50 - 335

UNIT St. Lucie Unit No. 1

REPORT MONTH October, 1976

DATE Nov. 5, 1976

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3830

OPERATING STATUS

1. REPORTING PERIOD: 0001.76.10.01 GROSS HOURS IN REPORTING PERIOD: 745.0*
THROUGH 2400.76.10.31
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.....	-0-	1 366.6	1 366.6
6. REACTOR RESERVE SHUTDOWN HOURS.....	N/A (1)	N/A (1)	N/A (1)
7. HOURS GENERATOR ON LINE.....	-0-	1 121.9	1 121.9
8. UNIT RESERVE SHUTDOWN HOURS.....	N/A (1)	N/A (1)	N/A (1)
9. GROSS THERMAL ENERGY GENERATED (MWH).....	-0-	1 495 088	1 495 088
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	-0-	418 670	418 670
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	-0-	374.180	374 180
12. REACTOR SERVICE FACTOR.....	0.0	31.8	31.8
13. REACTOR AVAILABILITY FACTOR.....	0.0	31.8	31.8
14. UNIT SERVICE FACTOR.....	0.0	26.4	26.4
15. UNIT AVAILABILITY FACTOR.....	0.0	26.4	26.4
16. UNIT CAPACITY FACTOR (Using (MDC).....	0.0	11.0	11.0
17. UNIT CAPACITY FACTOR (Using Design MWe)...	0.0	11.0	11.0
18. UNIT FORCED OUTAGE RATE.....	100.0	72.3	72.3

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

NOTE: (1) Unit in test status

* Changed from DST to EST on October 31, 1976.

APPENDIX D

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH October, 1976DOCKET NO. 50 - 335UNIT NAME St. Lucie Unit No. 1DATE Nov. 5, 1976COMPLETED BY V. T. ChilsonTELEPHONE (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)

) METHOD

- 1: MANUAL
 MANUAL SCRAM
 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	76-07-10	F	745.0*	F	1	Unit was removed from service for reactor tests and inspection. (Nuclear System)

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

NOTE: * Changed from DST to EST on October 31, 1976