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SUBJECT:

LTR 1 ENCL 1

FORWARDING MONTHLY OPERATING REPT FOR SUBJECT FACILITY'S 3 & 4 AND
SUBJECT FACILITY UNIT 1.

PLANT NAME: TURKEY POINT - UNIT 3
TURKEY POINT - UNIT 4
ST. LUCIE - UNIT 1

REVIEWER INITIAL: XJM
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***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

MONTHLY OPERATING REPORT FOR GRAY BOOK PREPARATION.
(DISTRIBUTION CODE A003)

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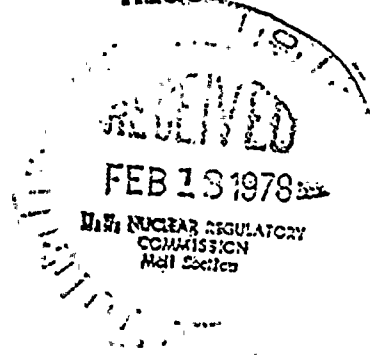
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REGULATORY DOCKET FILE COPY



February 4, 1978

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

Gentlemen:

Attached are the January, 1978, Operating Status Reports for
Turkey Point Unit Nos. 3 and 4 and St. Lucie Unit No. 1.

Very truly yours,

for J.R. Bensen
A. D. Schmidt
Vice President
Power Resources

VTC/DDC

CC: Mr. James P. O'Reilly
Robert Lowenstein, Esquire

780440061

*A003/s
1/1*



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 250

Turkey Point
UNIT Unit No. 3

DATE Feb. 4, 1978

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH JANUARY, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1 ---
2 ---
3 ---
4 ---
5 ---
6 ---
7 ---
8 ---
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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 ---

OPERATING DATA REPORT

DOCKET NO. 50-250
 DATE Feb. 4, 1978
 COMPLETED BY V.T. Chilson
 TELEPHONE (305) 552-3824

OPERATING STATUS

1. Unit Name: Turkey Point Unit No. 3
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 760
5. Design Electrical Rating (Net MWe): 693
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 666
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit No. 3 scheduled refueling, maintenance, and inspections continued.

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	744.0	744.0	45 225.6
12. Number Of Hours Reactor Was Critical	-0-	-0-	35 225.9
13. Reactor Reserve Shutdown Hours	-0-	-0-	111.1
14. Hours Generator On-Line	-0-	-0-	34,086.4
15. Unit Reserve Shutdown Hours	-0-	-0-	85.0
16. Gross Thermal Energy Generated (MWH)	-0-	-0-	66 774 192
17. Gross Electrical Energy Generated (MWH)	-0-	-0-	21 284 345
18. Net Electrical Energy Generated (MWH)	- 2 240	- 2 240	20 144 410
19. Unit Service Factor	-0-	-0-	75.4
20. Unit Availability Factor	-0-	-0-	75.6
21. Unit Capacity Factor (Using MDC Net)	-0-	-0-	66.9
22. Unit Capacity Factor (Using DER Net)	-0-	-0-	64.3
23. Unit Forced Outage Rate	-0-	-0-	2.8
24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):			

25. If Shut Down At End Of Report Period, Estimated Date of Startup: Feb. 12, 1978
 26. Units In Test Status (Prior to Commercial Operation):
- | | Forecast | Achieved |
|----------------------|----------|----------|
| INITIAL CRITICALITY | _____ | _____ |
| INITIAL ELECTRICITY | _____ | _____ |
| COMMERCIAL OPERATION | _____ | _____ |

UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY, 1978

DOCKET NO. 50 - 250
 UNIT NAME Turkey Point Unit No. 3
 DATE Feb. 4, 1978
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
28	77-11-23	S	744.0	C	4	N/A	N/A	N/A	Unit No. 3 was removed from service for scheduled refueling, maintenance, and inspections. (Continued from previous month) (Nuclear and non-nuclear systems)

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

AVERAGE DAILY UNIT POWER LEVEL

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

DATE Feb. 4, 1978

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH JANUARY, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>671</u>
2	<u>666</u>
3	<u>667</u>
4	<u>673</u>
5	<u>672</u>
6	<u>662</u>
7	<u>670</u>
8	<u>668</u>
9	<u>649</u>
10	<u>678</u>
11	<u>683</u>
12	<u>682</u>
13	<u>675</u>
14	<u>675</u>
15	<u>676</u>
16	<u>677</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>675</u>
18	<u>664</u>
19	<u>659</u>
20	<u>659</u>
21	<u>667</u>
22	<u>674</u>
23	<u>668</u>
24	<u>660</u>
25	<u>289</u>
26	<u>646</u>
27	<u>669</u>
28	<u>674</u>
29	<u>677</u>
30	<u>678</u>
31	<u>675</u>

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

OPERATING DATA REPORT

DOCKET NO. 50-251
 DATE Feb. 4, 1978
 COMPLETED BY V.T. Chilson
 TELEPHONE (305) 552-3824

OPERATING STATUS

1. Unit Name: Turkey Point Unit No. 4
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2200
4. Nameplate Rating (Gross MWe): 760
5. Design Electrical Rating (Net MWe): 693
6. Maximum Dependable Capacity (Gross MWe): 700
7. Maximum Dependable Capacity (Net MWe): 666
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report, Give Reasons:

Notes - Unit No. 4 operated at approximately 100% R.P. except for outage of Jan. 25, 1978.

9. Power Level To Which Restricted, If Any (Net MWe): NONE
10. Reasons For Restrictions, If Any:

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>744.0</u>	<u>38 953.0</u>
12. Number Of Hours Reactor Was Critical	<u>734.4</u>	<u>734.4</u>	<u>28 207.2</u>
13. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>138.8</u>
14. Hours Generator On-Line	<u>732.9</u>	<u>732.9</u>	<u>26 856.2</u>
15. Unit Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 601 257</u>	<u>1 601 257</u>	<u>56 686 925</u>
17. Gross Electrical Energy Generated (MWH)	<u>513 690</u>	<u>513 690</u>	<u>18 337 615</u>
18. Net Electrical Energy Generated (MWH)	<u>489 081</u>	<u>489 081</u>	<u>17 385 566</u>
19. Unit Service Factor	<u>98.5</u>	<u>98.5</u>	<u>68.9</u>
20. Unit Availability Factor	<u>98.5</u>	<u>98.5</u>	<u>68.9</u>
21. Unit Capacity Factor (Using MDC Net)	<u>98.7</u>	<u>98.7</u>	<u>67.5</u>
22. Unit Capacity Factor (Using DER Net)	<u>94.9</u>	<u>94.9</u>	<u>64.4</u>
23. Unit Forced Outage Rate	<u>-0-</u>	<u>-0-</u>	<u>3.2</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):

Steam Generator Inspection - Feb. 10 - March 9, 1978

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. 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>



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY, 1978

DOCKET NO. 50 - 251
 UNIT NAME Turkey Point Unit No. 4
 DATE Feb. 4, 1978
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	78-01-25	S	11.1	B	i	N/A	N/A	N/A	Unit No. 4 was removed from service to perform integrated safeguards surveillance test. (Nuclear system)

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

(9/77)

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50 - 335

UNIT St. Lucie
Unit No. 1

DATE Feb. 4, 1978

COMPLETED BY V. T. Chilson

TELEPHONE (305) 552-3824

MONTH JANUARY, 1978

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	<u>800</u>
2	<u>801</u>
3	<u>783</u>
4	<u>771</u>
5	<u>727</u>
6	<u>661</u>
7	<u>752</u>
8	<u>799</u>
9	<u>798</u>
10	<u>799</u>
11	<u>793</u>
12	<u>801</u>
13	<u>618</u>
14	<u>788</u>
15	<u>698</u>
16	<u>685</u>

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	<u>761</u>
18	<u>760</u>
19	<u>790</u>
20	<u>791</u>
21	<u>791</u>
22	<u>707</u>
23	<u>66</u>
24	<u>---</u>
25	<u>84</u>
26	<u>756</u>
27	<u>762</u>
28	<u>667</u>
29	<u>172</u>
30	<u>494</u>
31	<u>471</u>

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



OPERATING DATA REPORT

DOCKET NO. 50-335
 DATE Feb. 4, 1978
 COMPLETED BY V.T. Chilson
 TELEPHONE (305)552-3824

OPERATING STATUS

1. Unit Name: St. Lucie Unit No. 1
2. Reporting Period: January, 1978
3. Licensed Thermal Power (MWt): 2560
4. Nameplate Rating (Gross MWe): 850
5. Design Electrical Rating (Net MWe): 802
6. Maximum Dependable Capacity (Gross MWe): 822
7. Maximum Dependable Capacity (Net MWe): 777
8. If Changes Occur in Capacity Ratings (Items Number 3 Through 7) Since Last Report. Give Reasons:

Notes - Unit No. 1 operated at approximately 100% R.P. except for outages of Jan:13, 23, 28, 29 and 31, 1978.

9. Power Level To Which Restricted, If Any.(Net MWe): NONE
10. Reasons For Restrictions, If Any: _____

	This Month	Yr.-to-Date	Cumulative
11. Hours In Reporting Period	<u>744.0</u>	<u>744.0</u>	<u>9 768.0</u>
12. Number Of Hours Reactor Was Critical	<u>667.5</u>	<u>667.5</u>	<u>8 567.6</u>
13. Reactor Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>101.5</u>
14. Hours Generator On-Line	<u>653.4</u>	<u>653.4</u>	<u>8 335.2</u>
15. Unit Reserve Shutdown Hours	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
16. Gross Thermal Energy Generated (MWH)	<u>1 569 897</u>	<u>1 569 897</u>	<u>19 419 111</u>
17. Gross Electrical Energy Generated (MWH)	<u>513 720</u>	<u>513 720</u>	<u>6 308 480</u>
18. Net Electrical Energy Generated (MWH)	<u>483 157</u>	<u>483 157</u>	<u>5 925 734</u>
19. Unit Service Factor	<u>87.8</u>	<u>87.8</u>	<u>85.3</u>
20. Unit Availability Factor	<u>87.8</u>	<u>87.8</u>	<u>85.3</u>
21. Unit Capacity Factor (Using MDC Net)	<u>83.6</u>	<u>83.6</u>	<u>78.0</u>
22. Unit Capacity Factor (Using DER Net)	<u>81.0</u>	<u>81.0</u>	<u>75.6</u>
23. Unit Forced Outage Rate	<u>4.7</u>	<u>4.7</u>	<u>9.6</u>

24. Shutdowns Scheduled Over Next 6 Months (Type, Date, and Duration of Each):
Refueling, maintenance, and inspections - April 1; - June 30, 1978

25. If Shut Down At End Of Report Period, Estimated Date of Startup: N/A
26. Units In Test Status (Prior to Commercial Operation):

INITIAL CRITICALITY	_____	_____
INITIAL ELECTRICITY	_____	_____
COMMERCIAL OPERATION	_____	_____

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335
 UNIT NAME St. Lucie Unit No. 1
 DATE Feb. 4, 1978
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

REPORT MONTH JANUARY, 1978

Page 1 of 3

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
1	78-01-13	F	3.7	A	3	N/A	RB	CRDRVE	Unit was tripped by reactor protection system caused by rapid insertion of a CEA. Corrective actions included improvements to CEA power supply system. (Nuclear system)
2	78-01-23	S	57.3	A	1	N/A	CB	VESSEL	Unit was removed from service to replace failed gasket on pressurizer manway closure. (Nuclear system)
3	78-01-28	F	9.0	A	3	N/A	HA	INSTRU (C)	Unit was tripped by actuation of loss of field relay caused by intermittent loss of power supply to generator voltage regulator. (Non-nuclear system)

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³
 Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Other (Explain)

⁴
 Exhibit G - Instructions for Preparation of Data Entry Sheets for Licensee Event Report (LER) File (NUREG-0161)

⁵
 Exhibit I - Same Source

(9/77)

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-335
 UNIT NAME St. Lucie Unit No. 1
 DATE Feb. 4, 1978
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

REPORT MONTH JANUARY, 1978

Page 2 of 3

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
4	78-01-29	F	0.3	A	4	N/A	HB	ZZZ	Unit was tripped by steam generator level protection system due to a transient condition while increasing load after the unit was returned to service. (Non-nuclear system)
5	78-01-29	F	7.2	A	3	N/A	HA	INSTRU (C)	Unit was tripped by actuation of loss of field relay caused by intermittent loss of power supply to generator voltage regulator. (Non-nuclear system)
6	78-01-29	F	7.7	A	3	N/A	HA	INSTRU (C)	Unit was tripped by actuation of loss of field relay caused by intermittent loss of power supply to generator voltage regulator (Non-nuclear system)

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²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

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 Exhibit I - Same Source



UNIT SHUTDOWNS AND POWER REDUCTIONS

REPORT MONTH JANUARY, 1978

Page 3 of 3

DOCKET NO. 50 - 335
 UNIT NAME St. Lucie Unit No. 1
 DATE Feb. 4, 1978
 COMPLETED BY V. T. Chilson
 TELEPHONE (305) 552-3824

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
7	78-01-31	F	5.4	A	3	N/A	HA	INSTRU (C)	Unit was tripped by actuation of loss of field relay caused by intermittent loss of power supply to generator voltage regulator. Corrective actions included locating and repairing intermittent high resistance connections in voltage regulator power supply system. (Non-nuclear system)

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

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 Method:
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