



South Texas Project Nuclear Operating Company P.O. Box 289 Wadsworth, Texas 77483

June 12, 2003  
NOC-AE-03001545  
File No.: G02  
10CFR50.71  
STI: 31615381

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Monthly Operating Reports for May, 2003

Pursuant to 10CFR50.71(a) and South Texas Project Electric Generating Station (STPEGS) Technical Specification 6.9.1.5, attached are the Monthly Operating Reports for May 2003. If you should have any questions on this matter, please contact R.L. Hill at (361) 972-7667.

*George Harrison*  
for  
F.H. Mallen  
Manager, Financial Controls

Attachments: 1) STPEGS Unit 1 Monthly Operating Report – May 2003  
2) STPEGS Unit 2 Monthly Operating Report – May 2003

*IE24*

cc:

(paper copy)

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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
MAY 2003  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Approved By:

  
E.D. HALPIN

6-11-03  
Date

## **MONTHLY SUMMARY**

**South Texas Project Unit 1 remained shutdown during the reporting period to continue repairs on bottom mounted instrumentation penetrations on the reactor pressure vessel.**

## OPERATING DATA REPORT

DOCKET NO. 50-498  
UNIT 1  
DATE June 4, 2003  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 5/1/03-5/31/03 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3,853  
MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1,250.6  
DESIGN ELECTRICAL RATING (MWe-Net): 1,250.6
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR CRITICAL	<u>0.0</u>	<u>1,971.0</u>	<u>100,500.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>0.0</u>	<u>1,963.7</u>	<u>98,856.9</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>0</u>	<u>7,348.061</u>	<u>369,298.524</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>0</u>	<u>2,463.746</u>	<u>120,679.801</u>
11. REACTOR SERVICE FACTOR (%)	<u>0.0</u>	<u>54.4</u>	<u>77.6</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>0.0</u>	<u>54.4</u>	<u>77.6</u>
13. UNIT SERVICE FACTOR (%)	<u>0.0</u>	<u>54.2</u>	<u>76.4</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>0.0</u>	<u>54.2</u>	<u>76.4</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>0.0</u>	<u>54.4</u>	<u>74.6</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>0.0</u>	<u>54.4</u>	<u>74.6</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>100.0</u>	<u>34.6</u>	<u>13.9</u>

18. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH): N/A

19. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: 8/6/03

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE June 4, 2003  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH MAY

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1              0

2              0

3              0

4              0

5              0

6              0

7              0

8              0

9              0

10             0

11             0

12             0

13             0

14             0

15             0

16             0

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17             0

18             0

19             0

20             0

21             0

22             0

23             0

24             0

25             0

26             0

27             0

28             0

29             0

30             0

31             0

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE June 4, 2003  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

REPORT MONTH MAY

No.	Date	<sup>1</sup> Type	Duration (Hours)	<sup>2</sup> Reason	<sup>3</sup> Method of Shutting Down Reactor	Licensee Event Report #	<sup>4</sup> System Code	<sup>5</sup> Component Code	Cause & Corrective Action to Prevent Recurrence
03-04	04/20/03	F	744.0	F	9	01-03-003	RC	PEN	Investigate and repair bottom mounted instrumentation penetration indications.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

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

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont. of Existing  
 Outage  
 5-Reduction  
 9-Other

<sup>4</sup>  
 IEEE 805-1983

<sup>5</sup>  
 IEEE 803-1983

## **PORVS AND SAFETY VALVE SUMMARY**

**There were no PORV or Safety Valves challenged during the reporting period.**



SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
MAY 2003  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Approved By:

  
E.D. HALPIN

6-11-03  
Date

## **MONTHLY SUMMARY**

**South Texas Project Unit 2 operated during the reporting period at full power with no unit shutdowns or significant power reductions.**

## OPERATING DATA REPORT

DOCKETNO. 50-499  
UNIT 2  
DATE June 4, 2003  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 5/1/03-5/31/03 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,853  
MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1,250.6  
DESIGN ELECTRICAL RATING (MWe-Net): 1,250.6
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): None
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR CRITICAL	<u>744.0</u>	<u>2,009.7</u>	<u>96,567.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>744.0</u>	<u>1,976.1</u>	<u>94,268.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,833,252</u>	<u>7,351,634</u>	<u>351,765,284</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>941,574</u>	<u>2,437,218</u>	<u>114,615,185</u>
11. REACTOR SERVICE FACTOR (%)	<u>100.0</u>	<u>55.5</u>	<u>79.0</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>55.5</u>	<u>79.0</u>
13. UNIT SERVICE FACTOR (%)	<u>100.0</u>	<u>54.5</u>	<u>77.1</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>54.5</u>	<u>77.1</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>101.2</u>	<u>53.8</u>	<u>74.9</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>101.2</u>	<u>53.8</u>	<u>74.9</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>0.0</u>	<u>45.5</u>	<u>14.6</u>

18. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH): N/A

19. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

# AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499  
UNIT 2  
DATE June 4, 2003  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH MAY

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1              1274

2              1273

3              1273

4              1271

5              1271

6              1271

7              1271

8              1270

9              1270

10             1270

11             1270

12             1270

13             1270

14             1270

15             1263

16             1270

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17             1272

18             1270

19             1257

20             1259

21             1266

22             1267

23             1269

24             1269

25             1270

26             1270

27             1269

28             1267

29             1267

30             1267

31             1168

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE June 4, 2003  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

REPORT MONTH MAY

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

1  
 F: Forced  
 S: Scheduled

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

3  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont. of Existing  
 Outage  
 5-Reduction  
 9-Other

4  
 IEEE 805-1983

5  
 IEEE 803-1983

## **PORVS AND SAFETY VALVE SUMMARY**

**There were no PORV or Safety Valves challenged during the reporting period.**