



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

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June 14, 2001  
NOC-AE-01001122  
File No. G02  
STI31303702  
10CFR50.71

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Monthly Operating Reports for May, 2001

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 2001.

If you should have any questions on this matter, please contact R. L. Hill at (361) 972-7667.

Sincerely,

A handwritten signature in black ink, appearing to read "F. H. Mallen".

F. H. Mallen  
Manager, Planning & Controls

Attachments: 1) STPEGS Unit 1 Monthly Operating Report – May 2001  
2) STPEGS Unit 2 Monthly Operating Report – May 2001

IE24

cc:

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U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555-0001

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
MAY 2001  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Approved By:

AL Parkey  
G.L. PARKEY

6/12/01  
Date

## **MONTHLY SUMMARY**

South Texas Project Unit 1 operated during the reporting period at full power with no unit shutdowns or significant power reductions.

## OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE June 12, 2001  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 5/1/01-5/31/01 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800  
 MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1250.6  
 DESIGN ELECTRICAL RATING (MWe-Net): 1250.6
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>3,623.0</u>	<u>85,302.5</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>3,623.0</u>	<u>83,702.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,298</u>	<u>13,826,029</u>	<u>311,881,094</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>981,236</u>	<u>4,789,902</u>	<u>106,552,663</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>939,351</u>	<u>4,593,859</u>	<u>101,603,817</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>76.2%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>76.2%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>74.8%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>74.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>101.0%</u>	<u>101.4%</u>	<u>72.6%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>101.0%</u>	<u>101.4%</u>	<u>72.6%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>15.0%</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH):

Scheduled 25 day refueling outage to begin on October 3, 2001.

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

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE June 12, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

MONTH MAY

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1	<u>1268</u>
2	<u>1267</u>
3	<u>1266</u>
4	<u>1264</u>
5	<u>1262</u>
6	<u>1266</u>
7	<u>1265</u>
8	<u>1265</u>
9	<u>1258</u>
10	<u>1258</u>
11	<u>1258</u>
12	<u>1263</u>
13	<u>1263</u>
14	<u>1263</u>
15	<u>1263</u>
16	<u>1263</u>

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17	<u>1263</u>
18	<u>1263</u>
19	<u>1262</u>
20	<u>1262</u>
21	<u>1263</u>
22	<u>1264</u>
23	<u>1264</u>
24	<u>1263</u>
25	<u>1261</u>
26	<u>1261</u>
27	<u>1260</u>
28	<u>1262</u>
29	<u>1261</u>
30	<u>1260</u>
31	<u>1259</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE June 12, 2001  
 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
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

<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 2001  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Approved By:

*G.L. Parkey*  
G.L. PARKEY

*6/13/01*  
Date

## **MONTHLY SUMMARY**

South Texas Project Unit 2 began the reporting period operating at full power. On May 8, at 1528 an automatic reactor trip occurred due to low water level in steam generator 2A. The low water level was caused by feedwater regulating valve 2A unexpectedly closing during corrective maintenance activities. The unit was returned to service on May 11, at 1545 and increased to full power on May 12.

## OPERATING DATA REPORT

DOCKETNO. 50-499  
UNIT 2  
DATE June 12, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 5/1/01-5/31/01 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3800  
MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1250.6  
DESIGN ELECTRICAL RATING (MWe-Net): 1250.6
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>682.1</u>	<u>2,880.1</u>	<u>82,813.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>671.4</u>	<u>2,759.1</u>	<u>80,632.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,475,523</u>	<u>10,078,529</u>	<u>300,200,057</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>852,584</u>	<u>3,461,747</u>	<u>102,326,791</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>812,755</u>	<u>3,305,340</u>	<u>97,725,904</u>
12. REACTOR SERVICE FACTOR	<u>91.7%</u>	<u>79.5%</u>	<u>79.1%</u>
13. REACTOR AVAILABILITY FACTOR	<u>91.7%</u>	<u>79.5%</u>	<u>79.1%</u>
14. UNIT SERVICE FACTOR	<u>90.2%</u>	<u>76.2%</u>	<u>77.0%</u>
15. UNIT AVAILABILITY FACTOR	<u>90.2%</u>	<u>76.2%</u>	<u>77.0%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>87.4%</u>	<u>73.0%</u>	<u>74.6%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>87.4%</u>	<u>73.0%</u>	<u>74.6%</u>
18. UNIT FORCED OUTAGE RATE	<u>9.8%</u>	<u>6.8%</u>	<u>14.6%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH):	<u>N/A</u>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>N/A</u>		

# AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499  
UNIT 2  
DATE June 12, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

MONTH MAY

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1              1264

2              1265

3              1253

4              1263

5              1263

6              1262

7              1257

8              789

9              0

10             0

11             34

12             1032

13             1248

14             1254

15             1259

16             1260

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17             1261

18             1040

19             1099

20             1133

21             1130

22             1188

23             1256

24             1255

25             1257

26             1257

27             1255

28             1258

29             1258

30             1258

31             1259

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE June 12, 2001  
 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
01-06	010508	F	72.6	H	3	2-01-004	JB	LCV	Automatic reactor trip due to low water level in steam generator 2A. The low water level was caused by feedwater regulating valve 2A unexpectedly closing during corrective maintenance activities.

<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.