



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

September 10, 2001  
NOC-AE-01001171  
File No. G02  
STI31340556  
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 August, 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 August 2001.

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

Sincerely,

A handwritten signature in cursive script, appearing to read "F. H. Mallen".

F. H. Mallen  
Manager, Planning & Controls

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

IE24

cc:

Ellis W. Merschoff  
Regional Administrator, Region IV  
U.S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, Texas 76011-8064

John A. Nakoski  
Addressee Only  
U. S. Nuclear Regulatory Commission  
Project Manager, Mail Stop OWFN/7-D-1  
Washington, DC 20555-0001

Mohan C. Thadani  
Addressee Only  
U. S. Nuclear Regulatory Commission  
Project Manager, Mail Stop OWFN/7-D-1  
Washington, DC 20555

Cornelius F. O'Keefe  
U. S. Nuclear Regulatory Commission  
P. O. Box 289, Mail Code MN116  
Wadsworth, TX 77483

A. H. Gutterman, Esquire  
Morgan, Lewis & Bockius  
1800 M Street, NW  
Washington, DC 20036-5869

M. T. Hardt/W. C. Gunst  
City Public Service  
P. O. Box 1771  
San Antonio, TX 78296

A. Ramirez/C. M. Canady  
City of Austin  
Electric Utility Department  
721 Barton Springs Road  
Austin, TX 78704

Jon C. Wood  
Matthews & Branscomb  
112 East Pecan, Suite 1100  
San Antonio, Texas 78205-3692

Institute of Nuclear Power  
Operations - Records Center  
700 Galleria Parkway  
Atlanta, GA 30339-5957

Richard A. Ratliff  
Bureau of Radiation Control  
Texas Department of Health  
1100 West 49th Street  
Austin, TX 78756-3189

R. L. Balcom/D. G. Tees  
Reliant Energy, Inc.  
P. O. Box 1700  
Houston, TX 77251

C. A. Johnson/R. P. Powers  
AEP - Central Power and Light Company  
P. O. Box 289, Mail Code: N5022  
Wadsworth, TX 77483

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

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1

MONTHLY OPERATING REPORT

AUGUST 2001

STP NUCLEAR OPERATING COMPANY

NRC DOCKET NO. 50-498

LICENSE NO. NPF-76

Approved By:

  
G.L. PARKEY

8/15/01  
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 Sept. 5, 2001  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 8/1/01-8/31/01 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>5,831.0</u>    | <u>87,510.5</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>5,831.0</u>    | <u>85,910.3</u>    |
| 8. UNIT RESERVE SHUTDOWN HOURS              | <u>0</u>         | <u>0</u>          | <u>0</u>           |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)     | <u>2,839,573</u> | <u>22,252,682</u> | <u>320,307,748</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | <u>976,238</u>   | <u>7,688,467</u>  | <u>109,451,228</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)   | <u>933,143</u>   | <u>7,365,352</u>  | <u>104,375,310</u> |
| 12. REACTOR SERVICE FACTOR                  | <u>100.0%</u>    | <u>100.0%</u>     | <u>76.7%</u>       |
| 13. REACTOR AVAILABILITY FACTOR             | <u>100.0%</u>    | <u>100.0%</u>     | <u>76.7%</u>       |
| 14. UNIT SERVICE FACTOR                     | <u>100.0%</u>    | <u>100.0%</u>     | <u>75.3%</u>       |
| 15. UNIT AVAILABILITY FACTOR                | <u>100.0%</u>    | <u>100.0%</u>     | <u>75.3%</u>       |
| 16. UNIT CAPACITY FACTOR (Using MDC)        | <u>100.3%</u>    | <u>101.0%</u>     | <u>73.1%</u>       |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) | <u>100.3%</u>    | <u>101.0%</u>     | <u>73.1%</u>       |
| 18. UNIT FORCED OUTAGE RATE                 | <u>0.0%</u>      | <u>0.0%</u>       | <u>14.7%</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 Sept. 5, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

MONTH AUGUST

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

|    |             |
|----|-------------|
| 1  | <u>1256</u> |
| 2  | <u>1253</u> |
| 3  | <u>1253</u> |
| 4  | <u>1255</u> |
| 5  | <u>1255</u> |
| 6  | <u>1256</u> |
| 7  | <u>1255</u> |
| 8  | <u>1254</u> |
| 9  | <u>1252</u> |
| 10 | <u>1257</u> |
| 11 | <u>1257</u> |
| 12 | <u>1257</u> |
| 13 | <u>1256</u> |
| 14 | <u>1256</u> |
| 15 | <u>1256</u> |
| 16 | <u>1256</u> |

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

|    |             |
|----|-------------|
| 17 | <u>1255</u> |
| 18 | <u>1256</u> |
| 19 | <u>1256</u> |
| 20 | <u>1256</u> |
| 21 | <u>1251</u> |
| 22 | <u>1250</u> |
| 23 | <u>1249</u> |
| 24 | <u>1252</u> |
| 25 | <u>1252</u> |
| 26 | <u>1252</u> |
| 27 | <u>1253</u> |
| 28 | <u>1253</u> |
| 29 | <u>1255</u> |
| 30 | <u>1255</u> |
| 31 | <u>1255</u> |

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sept. 5, 2001  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361 972-7667

REPORT MONTH AUGUST

| No.  | Date | 1<br>Type | Duration<br>(Hours) | 2<br>Reason | 3<br>Method of<br>Shutting<br>Down<br>Reactor | Licensee<br>Event<br>Report # | 4<br>System<br>Code | 5<br>Component<br>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.



SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION

UNIT 2

MONTHLY OPERATING REPORT

AUGUST 2001

STP NUCLEAR OPERATING COMPANY

NRC DOCKET NO. 50-499

LICENSE NO. NPF-80

Approved By:

G.L. PARKEY

*G.L. Parkey*

Date

9/5/01

## **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 Sept. 5, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

### OPERATING STATUS

1. REPORTING PERIOD: 8/1/01-8/31/01 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>5,088.1</u>    | <u>85,021.4</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>4,967.1</u>    | <u>82,840.8</u>    |
| 8. UNIT RESERVE SHUTDOWN HOURS   | <u>0</u>         | <u>0</u>          | <u>0</u>           |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)                                      | <u>2,830,596</u> | <u>18,482,647</u> | <u>308,604,175</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH)                                  | <u>971,535</u>   | <u>6,345,724</u>  | <u>105,210,768</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)                                    | <u>928,248</u>   | <u>6,061,432</u>  | <u>100,481,996</u> |
| 12. REACTOR SERVICE FACTOR   | <u>100.0%</u>    | <u>87.3%</u>      | <u>79.5%</u>       |
| 13. REACTOR AVAILABILITY FACTOR  | <u>100.0%</u>    | <u>87.3%</u>      | <u>79.5%</u>       |
| 14. UNIT SERVICE FACTOR  | <u>100.0%</u>    | <u>85.2%</u>      | <u>77.4%</u>       |
| 15. UNIT AVAILABILITY FACTOR   | <u>100.0%</u>    | <u>85.2%</u>      | <u>77.4%</u>       |
| 16. UNIT CAPACITY FACTOR (Using MDC)   | <u>99.8%</u>     | <u>83.1%</u>      | <u>75.1%</u>       |
| 17. UNIT CAPACITY FACTOR (Using Design MWe)                                  | <u>99.8%</u>     | <u>83.1%</u>      | <u>75.1%</u>       |
| 18. UNIT FORCED OUTAGE RATE  | <u>0.0%</u>      | <u>3.9%</u>       | <u>14.2%</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 Sept. 5, 2001  
COMPLETED BY R.L. Hill  
TELEPHONE 361 972-7667

MONTH AUGUST

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1              1249

2              1248

3              1252

4              1252

5              1221

6              1250

7              1251

8              1252

9              1252

10             1252

11             1158

12             1250

13             1251

14             1253

15             1252

16             1251

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17             1251

18             1251

19             1251

20             1250

21             1250

22             1250

23             1251

24             1251

25             1251

26             1251

27             1252

28             1254

29             1256

30             1257

31             1258

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Sept. 5, 2001  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361 972-7667

REPORT MONTH AUGUST

| No.  | Date | 1<br>Type | Duration<br>(Hours) | 2<br>Reason | 3<br>Method of<br>Shutting<br>Down<br>Reactor | Licensee<br>Event<br>Report # | 4<br>System<br>Code | 5<br>Component<br>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.