



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

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

  
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:

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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  
AUGUST 2001  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Approved By:

  
G.L. PARKEY

8/17/01  
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<br>LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER<br>LEVEL<br>(MWe-Net) |
|-----|---|-----|---|
| 1   | <u>1256</u>                               | 17  | <u>1255</u>                               |
| 2   | <u>1253</u>                               | 18  | <u>1256</u>                               |
| 3   | <u>1253</u>                               | 19  | <u>1256</u>                               |
| 4   | <u>1255</u>                               | 20  | <u>1256</u>                               |
| 5   | <u>1255</u>                               | 21  | <u>1251</u>                               |
| 6   | <u>1256</u>                               | 22  | <u>1250</u>                               |
| 7   | <u>1255</u>                               | 23  | <u>1249</u>                               |
| 8   | <u>1254</u>                               | 24  | <u>1252</u>                               |
| 9   | <u>1252</u>                               | 25  | <u>1252</u>                               |
| 10  | <u>1257</u>                               | 26  | <u>1252</u>                               |
| 11  | <u>1257</u>                               | 27  | <u>1253</u>                               |
| 12  | <u>1257</u>                               | 28  | <u>1253</u>                               |
| 13  | <u>1256</u>                               | 29  | <u>1255</u>                               |
| 14  | <u>1256</u>                               | 30  | <u>1255</u>                               |
| 15  | <u>1256</u>                               | 31  | <u>1255</u>                               |
| 16  | <u>1256</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 

9/5/01  
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 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<br>LEVEL<br>(MWe-Net) | DAY | AVERAGE DAILY POWER<br>LEVEL<br>(MWe-Net) |
|-----|---|-----|---|
| 1   | <u>1249</u>                               | 17  | <u>1251</u>                               |
| 2   | <u>1248</u>                               | 18  | <u>1251</u>                               |
| 3   | <u>1252</u>                               | 19  | <u>1251</u>                               |
| 4   | <u>1252</u>                               | 20  | <u>1250</u>                               |
| 5   | <u>1221</u>                               | 21  | <u>1250</u>                               |
| 6   | <u>1250</u>                               | 22  | <u>1250</u>                               |
| 7   | <u>1251</u>                               | 23  | <u>1251</u>                               |
| 8   | <u>1252</u>                               | 24  | <u>1251</u>                               |
| 9   | <u>1252</u>                               | 25  | <u>1251</u>                               |
| 10  | <u>1252</u>                               | 26  | <u>1251</u>                               |
| 11  | <u>1158</u>                               | 27  | <u>1252</u>                               |
| 12  | <u>1250</u>                               | 28  | <u>1254</u>                               |
| 13  | <u>1251</u>                               | 29  | <u>1256</u>                               |
| 14  | <u>1253</u>                               | 30  | <u>1257</u>                               |
| 15  | <u>1252</u>                               | 31  | <u>1258</u>                               |
| 16  | <u>1251</u>                               |     |   |

## 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.