



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

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January 15, 2002  
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File No. G02  
STI31390945  
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 December, 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 December 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 that reads "F. H. Mallen". The signature is written in a cursive, flowing style.

F. H. Mallen  
Manager, Planning & Controls

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

IE24

cc:

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

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

Approved By:

  
E.D. HALPIN

  
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 Jan. 7, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 12/1/01-12/31/01 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>8,270.4</u>	<u>89,949.9</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>8,240.5</u>	<u>88,319.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,848</u>	<u>31,243,275</u>	<u>329,298,340</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>944,919</u>	<u>10,338,156</u>	<u>107,348,114</u>
11. REACTOR SERVICE FACTOR (%)	<u>100.0</u>	<u>94.4</u>	<u>76.8</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>94.4</u>	<u>76.8</u>
13. UNIT SERVICE FACTOR (%)	<u>100.0</u>	<u>94.1</u>	<u>75.5</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>94.1</u>	<u>75.5</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>101.6</u>	<u>94.4</u>	<u>73.3</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>101.6</u>	<u>94.4</u>	<u>73.3</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>0.0</u>	<u>0.0</u>	<u>14.3</u>
18. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH): <u>N/A</u>			
19. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>N/A</u>			

# AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE Jan. 7, 2002  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH DECEMBER

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

1	<u>1275</u>
2	<u>1274</u>
3	<u>1272</u>
4	<u>1266</u>
5	<u>1265</u>
6	<u>1265</u>
7	<u>1268</u>
8	<u>1276</u>
9	<u>1274</u>
10	<u>1270</u>
11	<u>1266</u>
12	<u>1275</u>
13	<u>1276</u>
14	<u>1271</u>
15	<u>1269</u>
16	<u>1261</u>

DAY      AVERAGE DAILY POWER  
            LEVEL  
            (MWe-Net)

17	<u>1269</u>
18	<u>1265</u>
19	<u>1268</u>
20	<u>1263</u>
21	<u>1268</u>
22	<u>1271</u>
23	<u>1269</u>
24	<u>1267</u>
25	<u>1275</u>
26	<u>1277</u>
27	<u>1272</u>
28	<u>1271</u>
29	<u>1271</u>
30	<u>1274</u>
31	<u>1272</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Jan. 7, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

REPORT MONTH DECEMBER

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.



SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
DECEMBER 2001  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Approved By:

  
E.D. HALPIN

  
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 Jan. 7, 2002  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 12/1/01-12/31/01 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>7,880.7</u>	<u>87,814.0</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>7,754.0</u>	<u>85,627.7</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,482</u>	<u>29,039,003</u>	<u>319,160,531</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>934,995</u>	<u>9,537,557</u>	<u>103,958,121</u>
11. REACTOR SERVICE FACTOR (%)	<u>100.0</u>	<u>90.0</u>	<u>79.9</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>90.0</u>	<u>79.9</u>
13. UNIT SERVICE FACTOR (%)	<u>100.0</u>	<u>88.5</u>	<u>77.9</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>88.5</u>	<u>77.9</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>100.5</u>	<u>87.1</u>	<u>75.6</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>100.5</u>	<u>87.1</u>	<u>75.6</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>0.0</u>	<u>4.2</u>	<u>13.9</u>
18. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH):	<u>N/A</u>		
19. 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 Jan. 7, 2002  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH DECEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1258</u>	17	<u>1260</u>
2	<u>1251</u>	18	<u>1262</u>
3	<u>1254</u>	19	<u>1258</u>
4	<u>1257</u>	20	<u>1261</u>
5	<u>1258</u>	21	<u>1258</u>
6	<u>1257</u>	22	<u>1256</u>
7	<u>1263</u>	23	<u>1256</u>
8	<u>1259</u>	24	<u>1260</u>
9	<u>1258</u>	25	<u>1260</u>
10	<u>1251</u>	26	<u>1258</u>
11	<u>1242</u>	27	<u>1259</u>
12	<u>1247</u>	28	<u>1260</u>
13	<u>1254</u>	29	<u>1260</u>
14	<u>1254</u>	30	<u>1257</u>
15	<u>1254</u>	31	<u>1258</u>
16	<u>1260</u>		

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Jan. 7, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

REPORT MONTH DECEMBER

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									

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4  
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 IEEE 803-1983

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