



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

December 12, 2002  
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10CFR50.71  
STI: 31530389

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 November 2002

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 November 2002. If you should have any questions on this matter, please contact R.L. Hill at (361) 972-7667.

*F.H. Mallen*  
F.H. Mallen  
Manager, Planning &  
Controls

- Attachments: 1) STPEGS Unit 1 Monthly Operating Report – November 2002  
2) STPEGS Unit 2 Monthly Operating Report – November 2002

JE24

cc:  
(paper copy)

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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
NOVEMBER 2002  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Approved By:

E.D. Halpin by R. R. Rode 12-11-02  
E.D. HALPIN Date

## MONTHLY SUMMARY

South Texas Project Unit 1 began the reporting period operating at full power.

On November 16, at 2042 hours, Unit 1 was manually tripped in response to a perceived loss of all pressure associated with the Open Loop Cooling Water System. The apparent loss of pressure in the Open Loop Cooling Water system was induced by a failure of the pump casing on Circulating Water Pump 11. A pressure spike that occurred when the pump discharge valve failed closed caused the pump casing failure.

Repairs were made and the unit was returned to service on November 24, at 1520. Full power was achieved on November 25, at 1154.

## OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE Dec. 11, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 11/1/02-11/30/02 GROSS HOURS IN REPORTING PERIOD: 720
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>539.2</u>	<u>7,835.2</u>	<u>97,785.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>533.4</u>	<u>7,829.4</u>	<u>96,149.1</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,998,978</u>	<u>29,812,275</u>	<u>359,110,615</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>666,723</u>	<u>9,914,392</u>	<u>117,262,506</u>
11. REACTOR SERVICE FACTOR (%)	<u>74.9</u>	<u>97.7</u>	<u>78.2</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>74.9</u>	<u>97.7</u>	<u>78.2</u>
13. UNIT SERVICE FACTOR (%)	<u>74.1</u>	<u>97.7</u>	<u>76.9</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>74.1</u>	<u>97.7</u>	<u>76.9</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>74.0</u>	<u>98.9</u>	<u>75.0</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>74.0</u>	<u>98.9</u>	<u>75.0</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>25.9</u>	<u>2.3</u>	<u>13.4</u>

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

Scheduled 22-day outage to allow scheduled refueling to begin on March 26, 2003.

19. 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 Dec. 11, 2002  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH NOVEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1279</u>	17	<u>0</u>
2	<u>1280</u>	18	<u>0</u>
3	<u>1281</u>	19	<u>0</u>
4	<u>1280</u>	20	<u>0</u>
5	<u>1281</u>	21	<u>0</u>
6	<u>1274</u>	22	<u>0</u>
7	<u>1278</u>	23	<u>0</u>
8	<u>1283</u>	24	<u>44</u>
9	<u>1282</u>	25	<u>1052</u>
10	<u>1282</u>	26	<u>1279</u>
11	<u>1283</u>	27	<u>1273</u>
12	<u>1286</u>	28	<u>1267</u>
13	<u>1287</u>	29	<u>1268</u>
14	<u>1287</u>	30	<u>1270</u>
15	<u>1285</u>		
16	<u>1101</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Dec. 11, 2002  
 COMPLETED BY R L Hill  
 TELEPHONE 361.972.7667

REPORT MONTH NOVEMBER

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
02-02	021116	F	186.6	A	2	01-02-003	NN	P	Manual reactor trip in response to a perceived loss of all pressure associated with the Open Loop Cooling Water System. The apparent loss of pressure in the Open Loop Cooling Water system was induced by a failure of the pump casing on Circulating Water Pump 11. A pressure spike that occurred when the pump discharge valve failed closed caused the pump casing failure.

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

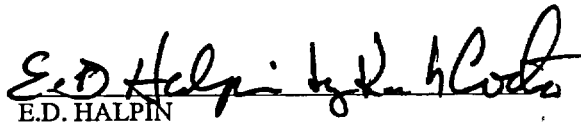
## **PORVS AND SAFETY VALVE SUMMARY**

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



SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
NOVEMBER 2002  
STP NUCLEAR OPERATING COMPANY  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Approved By:

  
E.D. HALPIN

12-11-02  
Date

## MONTHLY SUMMARY

South Texas Project Unit 2 remained shutdown during the reporting period for scheduled refueling and steam generator replacement.

## OPERATING DATA REPORT

DOCKETNO. 50-499  
 UNIT 2  
 DATE Dec. 11, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

### OPERATING STATUS

1. REPORTING PERIOD: 11/1/02-11/30/02 GROSS HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3,800  
 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</u>	<u>6,480.3</u>	<u>94,294.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>0</u>	<u>6,426.8</u>	<u>92,054.5</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>24,457,687</u>	<u>343,618,219</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>0</u>	<u>7,962,417</u>	<u>111,920,538</u>
11. REACTOR SERVICE FACTOR (%)	<u>0.0</u>	<u>80.8</u>	<u>80.0</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>0.0</u>	<u>80.8</u>	<u>80.0</u>
13. UNIT SERVICE FACTOR (%)	<u>0.0</u>	<u>80.2</u>	<u>78.1</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>0.0</u>	<u>80.2</u>	<u>78.1</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>0.0</u>	<u>79.4</u>	<u>75.9</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>0.0</u>	<u>79.4</u>	<u>75.9</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>0.0</u>	<u>2.3</u>	<u>13.2</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: 12/5/02

# AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499  
UNIT 2  
DATE Dec. 11, 2002  
COMPLETED BY R.L. Hill  
TELEPHONE 361.972.7667

MONTH NOVEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>0</u>
10	<u>0</u>	26	<u>0</u>
11	<u>0</u>	27	<u>0</u>
12	<u>0</u>	28	<u>0</u>
13	<u>0</u>	29	<u>0</u>
14	<u>0</u>	30	<u>0</u>
15	<u>0</u>		
16	<u>0</u>		

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Dec. 11, 2002  
 COMPLETED BY R.L. Hill  
 TELEPHONE 361.972.7667

REPORT MONTH NOVEMBER

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
02-03	021002	S	720.0	C	1	N/A	N/A	N/A	Scheduled outage to allow refueling and steam generator replacement.

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)

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1-Manual  
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4-Cont. of Existing  
Outage  
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9-Other

4  
IEEE 805-1983

5  
IEEE 803-1983

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