



South Texas Project Nuclear Operating Company P.O. Box 259 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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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
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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. [Signature]
E.D. HALPIN

12-11-02
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

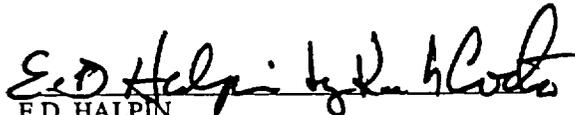
NOVEMBER 2002

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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Method:
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IEEE 803-1983

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