



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

August 19, 2002
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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 July 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 July 2002. If you should have any questions on this matter, please contact R.L. Hill at (361) 972-7667.

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 – July 2002
2) STPEGS Unit 2 Monthly Operating Report – July 2002

IE24
DJH

cc:

(paper copy)

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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
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A. Ramirez
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AEP - Central Power and Light Company

Jon C. Wood
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SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1

MONTHLY OPERATING REPORT


JULY 2002

STP NUCLEAR OPERATING COMPANY

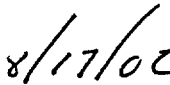
NRC DOCKET NO. 50-498

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 Aug. 12, 2002
 COMPLETED BY R.L. Hill
 TELEPHONE 361.972.7667

OPERATING STATUS

1. REPORTING PERIOD: 07/1/02-07/31/02 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3853
 MAXIMUM DEPENDABLE CAPACITY (MWe-Net): 1268
 DESIGN ELECTRICAL RATING (MWe-Net): 1268
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>5,087.0</u>	<u>95,036.9</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>5,087.0</u>	<u>93,406.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,756</u>	<u>19,383,703</u>	<u>348,682,043</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>944,979</u>	<u>6,438,579</u>	<u>113,786,693</u>
11. REACTOR SERVICE FACTOR (%)	<u>100.0</u>	<u>100.0</u>	<u>77.8</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>100.0</u>	<u>77.8</u>
13. UNIT SERVICE FACTOR (%)	<u>100.0</u>	<u>100.0</u>	<u>76.5</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>100.0</u>	<u>100.0</u>	<u>76.5</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>100.2</u>	<u>101.2</u>	<u>74.5</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>100.2</u>	<u>101.2</u>	<u>74.5</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>0.0</u>	<u>0.0</u>	<u>13.6</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 Aug. 12, 2002
COMPLETED BY R.L. Hill
TELEPHONE 361.972.7667

MONTH JULY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1271</u>	17	<u>1274</u>
2	<u>1272</u>	18	<u>1273</u>
3	<u>1274</u>	19	<u>1272</u>
4	<u>1274</u>	20	<u>1270</u>
5	<u>1273</u>	21	<u>1269</u>
6	<u>1274</u>	22	<u>1268</u>
7	<u>1272</u>	23	<u>1269</u>
8	<u>1266</u>	24	<u>1266</u>
9	<u>1264</u>	25	<u>1265</u>
10	<u>1273</u>	26	<u>1266</u>
11	<u>1272</u>	27	<u>1268</u>
12	<u>1271</u>	28	<u>1269</u>
13	<u>1268</u>	29	<u>1270</u>
14	<u>1270</u>	30	<u>1270</u>
15	<u>1269</u>	31	<u>1270</u>
16	<u>1272</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Aug. 12, 2002
 COMPLETED BY R.L. Hill
 TELEPHONE 361.972.7667

REPORT MONTH JULY

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

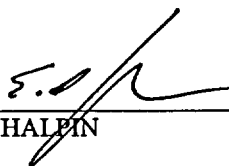
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 IEEE 803-1983

PORVS AND SAFETY VALVE SUMMARY

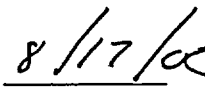
There were no PORV or Safety Valves challenged during the reporting period.

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 2
MONTHLY OPERATING REPORT
JULY 2002
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 began the reporting period operating at full power. On July 7, at 2312 an automatic reactor trip occurred due to the failure of an inverter that caused the distribution panel to lose power. The loss of the distribution panel caused the main feed water regulating valves to fully open. This resulted in the water level in the steam generators to increase, which caused the turbine and subsequently the reactor to trip. The inverter failure was caused by a fuse failure that resulted from a voltage spike in the electrical system that provides power to the distribution panel. The fuse was replaced and the unit was returned to service on July 9, at 1414. Full power was achieved on July 10, at 1130.

OPERATING DATA REPORT

DOCKETNO. 50-499
 UNIT 2
 DATE Aug. 12, 2002
 COMPLETED BY R.L. Hill
 TELEPHONE 361.972.7667

OPERATING STATUS

1. REPORTING PERIOD: 07/1/02-07/31/02 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>717.2</u>	<u>4,992.1</u>	<u>92,806.1</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>705.0</u>	<u>4,938.8</u>	<u>90,566.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,665,426</u>	<u>18,790,267</u>	<u>337,950,798</u>
10. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>861,073</u>	<u>6,126,097</u>	<u>110,084,218</u>
11. REACTOR SERVICE FACTOR (%)	<u>96.4</u>	<u>98.1</u>	<u>80.7</u>
12. REACTOR AVAILABILITY FACTOR (%)	<u>96.4</u>	<u>98.1</u>	<u>80.7</u>
13. UNIT SERVICE FACTOR (%)	<u>94.8</u>	<u>97.1</u>	<u>78.8</u>
14. UNIT AVAILABILITY FACTOR (%)	<u>94.8</u>	<u>97.1</u>	<u>78.8</u>
15. UNIT CAPACITY FACTOR - Using MDC (%)	<u>92.5</u>	<u>96.3</u>	<u>76.6</u>
16. UNIT CAPACITY FACTOR - Using DER (%)	<u>92.5</u>	<u>96.3</u>	<u>76.6</u>
17. UNIT FORCED OUTAGE RATE (%)	<u>5.2</u>	<u>2.9</u>	<u>13.4</u>

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

Scheduled 70-day outage to allow refueling and steam generator replacement to begin on October 2, 2002.

19. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499
UNIT 2
DATE Aug. 12, 2002
COMPLETED BY R.L. Hill
TELEPHONE 361.972.7667

MONTH JULY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1242</u>	17	<u>1241</u>
2	<u>1242</u>	18	<u>1231</u>
3	<u>1242</u>	19	<u>1239</u>
4	<u>1241</u>	20	<u>1238</u>
5	<u>1241</u>	21	<u>1236</u>
6	<u>1242</u>	22	<u>1235</u>
7	<u>1198</u>	23	<u>1235</u>
8	<u>0</u>	24	<u>1232</u>
9	<u>118</u>	25	<u>1233</u>
10	<u>1143</u>	26	<u>1234</u>
11	<u>1239</u>	27	<u>1236</u>
12	<u>1237</u>	28	<u>1237</u>
13	<u>1234</u>	29	<u>1239</u>
14	<u>1237</u>	30	<u>1239</u>
15	<u>1237</u>	31	<u>1240</u>
16	<u>1240</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT 2
 DATE Aug. 12, 2002
 COMPLETED BY R.L. Hill
 TELEPHONE 361.972.7667

REPORT MONTH JULY

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	020707	F	39.0	A	3	02-02-003	JB	INVT	Automatic reactor trip occurred due to the failure of an inverter that caused the distribution panel to lose power. The loss of the distribution panel caused the main feed water regulating valves to fully open. This resulted in the water level in the steam generators to increase, which caused the turbine and subsequently the reactor to trip. The inverter failure was caused by a fuse failure that resulted from a voltage spike in the electrical system that provides power to the distribution panel. The fuse was replaced.

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.