



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

November 15, 1999
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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 October, 1999

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 October 1999.

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 – October, 1999
2) STPEGS Unit 2 Monthly Operating Report – October, 1999

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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
OCTOBER 1999
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Approved By:



G.L. PARKEY

11/11/99
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 Nov. 10, 1999
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 10/1/99-10/31/99 GROSS HOURS IN REPORTING PERIOD: 745
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>745.0</u>	<u>6,436.1</u>	<u>73,232.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>745.0</u>	<u>6,394.9</u>	<u>71,709.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,843,604</u>	<u>23,971,615</u>	<u>266,449,838</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>973,495</u>	<u>8,166,500</u>	<u>90,865,752</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>932,121</u>	<u>7,804,672</u>	<u>86,577,363</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>88.2%</u>	<u>74.7%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>88.2%</u>	<u>74.7%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>87.6%</u>	<u>73.1%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>87.6%</u>	<u>73.1%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>100.0%</u>	<u>85.5%</u>	<u>70.6%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>100.0%</u>	<u>85.5%</u>	<u>70.6%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>1.7%</u>	<u>17.0%</u>

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

Scheduled 75-day outage to allow refueling and steam generator replacement to begin on March 4, 2000.

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 Nov. 10, 1999
COMPLETED BY R.L. Hill
TELEPHONE 361 972-7667

MONTH OCTOBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1251</u>	17	<u>1248</u>
2	<u>1251</u>	18	<u>1250</u>
3	<u>1250</u>	19	<u>1251</u>
4	<u>1249</u>	20	<u>1253</u>
5	<u>1249</u>	21	<u>1255</u>
6	<u>1251</u>	22	<u>1252</u>
7	<u>1251</u>	23	<u>1255</u>
8	<u>1251</u>	24	<u>1255</u>
9	<u>1249</u>	25	<u>1255</u>
10	<u>1248</u>	26	<u>1254</u>
11	<u>1248</u>	27	<u>1253</u>
12	<u>1248</u>	28	<u>1254</u>
13	<u>1248</u>	29	<u>1254</u>
14	<u>1248</u>	30	<u>1254</u>
15	<u>1248</u>	31	<u>1254</u>
16	<u>1248</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Nov. 10, 1999
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

REPORT MONTH OCTOBER

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
OCTOBER 1999
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Approved By:



G.L. PARKEY

11/11/99
Date

MONTHLY SUMMARY

South Texas Project Unit-2 began the reporting period operating at 96-percent reactor power.

On September 27, the unit began a reactor power coastdown due to fuel burnup. This process entails a power reduction rate of approximately 13-MWe (megawatts-electric) every 1-2 days. The coastdown was successfully completed on October 12, with reactor power at 86-percent. The unit was removed from service on October 13, at 0001 for scheduled refueling.

OPERATING DATA REPORT

DOCENT. 50-499
 UNIT 2
 DATE Nov. 10, 1999
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 10/1/99-10/31/99 GROSS HOURS IN REPORTING PERIOD: 745
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>288.8</u>	<u>6,821.0</u>	<u>69,822.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>288.0</u>	<u>6,759.0</u>	<u>68,147.1</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>986,801</u>	<u>25,470,780</u>	<u>253,371,147</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>338,015</u>	<u>8,675,910</u>	<u>86,267,783</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>321,766</u>	<u>8,303,975</u>	<u>82,368,064</u>
12. REACTOR SERVICE FACTOR	<u>38.8%</u>	<u>93.5%</u>	<u>76.8%</u>
13. REACTOR AVAILABILITY FACTOR	<u>38.8%</u>	<u>93.5%</u>	<u>76.8%</u>
14. UNIT SERVICE FACTOR	<u>38.7%</u>	<u>92.6%</u>	<u>75.0%</u>
15. UNIT AVAILABILITY FACTOR	<u>38.7%</u>	<u>92.6%</u>	<u>75.0%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>34.5%</u>	<u>91.0%</u>	<u>72.5%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>34.5%</u>	<u>91.0%</u>	<u>72.5%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>1.2%</u>	<u>16.4%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
N/A			
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: November 9, 1999			

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499
UNIT 2
DATE Nov. 10, 1999
COMPLETED BY R.L. Hill
TELEPHONE 361 972-7667

MONTH OCTOBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1194</u>	17	<u>0</u>
2	<u>1178</u>	18	<u>0</u>
3	<u>1166</u>	19	<u>0</u>
4	<u>1156</u>	20	<u>0</u>
5	<u>1150</u>	21	<u>0</u>
6	<u>1141</u>	22	<u>0</u>
7	<u>1132</u>	23	<u>0</u>
8	<u>1113</u>	24	<u>0</u>
9	<u>1110</u>	25	<u>0</u>
10	<u>1035</u>	26	<u>0</u>
11	<u>1080</u>	27	<u>0</u>
12	<u>953</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>	31	<u>0</u>
16	<u>0</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499
 UNIT 2
 DATE Nov. 10, 1999
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

REPORT MONTH OCTOBER

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
99-06	990927	S	0.0	H	5	N/A	N/A	N/A	The unit began a reactor power coastdown due to fuel burnup.
99-07	991013	S	457.0	C	1	N/A	N/A	N/A	Refueling and scheduled maintenance outage.

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

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IEEE 805-1983

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IEEE 803-1983