



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

March 14, 2001
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File No. G02
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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 February 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 February 2001.

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

Sincerely,

A handwritten signature in cursive script that reads "George Harrison" with "for" written below it.

F. H. Mallen
Manager, Planning & Controls

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

FEBRUARY 2001

STP NUCLEAR OPERATING COMPANY

NRC DOCKET NO. 50-498

LICENSE NO. NPF-76

Approved By:


G.L. PARKEY

3/14/01
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 Mar. 8, 2001
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 2/1/01-2/28/01 GROSS HOURS IN REPORTING PERIOD: 672
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>672.0</u>	<u>1,416.0</u>	<u>83,095.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>672.0</u>	<u>1,416.0</u>	<u>81,495.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,564,200</u>	<u>5,403,406</u>	<u>303,458,471</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>888,834</u>	<u>1,874,320</u>	<u>103,637,081</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>852,992</u>	<u>1,798,734</u>	<u>98,808,692</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>75.7%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>75.7%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>74.3%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>74.3%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>101.5%</u>	<u>101.6%</u>	<u>72.0%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>101.5%</u>	<u>101.6%</u>	<u>72.0%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>15.3%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH): <u>N/A</u>			
20. 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 Mar. 8, 2001
COMPLETED BY R.L. Hill
TELEPHONE 361 972-7667

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1271</u>	17	<u>1271</u>
2	<u>1271</u>	18	<u>1272</u>
3	<u>1271</u>	19	<u>1269</u>
4	<u>1271</u>	20	<u>1268</u>
5	<u>1263</u>	21	<u>1271</u>
6	<u>1270</u>	22	<u>1268</u>
7	<u>1272</u>	23	<u>1271</u>
8	<u>1268</u>	24	<u>1271</u>
9	<u>1272</u>	25	<u>1268</u>
10	<u>1272</u>	26	<u>1266</u>
11	<u>1265</u>	27	<u>1266</u>
12	<u>1273</u>	28	<u>1273</u>
13	<u>1264</u>		
14	<u>1269</u>		
15	<u>1272</u>		
16	<u>1268</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Mar. 8, 2001
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

REPORT MONTH FEBRUARY

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
FEBRUARY 2001
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Approved By:

G.L. Parkey
G.L. PARKEY

3/14/01
Date

MONTHLY SUMMARY

South Texas Project Unit 2 began the reporting period operating at full power.

On February 4, at 1808 the unit was removed from service to allow a hydrogen leak repair in the main generator. Repairs were completed and on February 7, at 1828, the unit was at 10 percent reactor power and escalating in preparation for closing the main generator breaker. An inadvertent loss of power occurred to 2F Auxiliary and Standby busses while performing electrical plant transfer operations. A loss of power to the 2A Reactor Coolant Pump subsequently occurred, necessitating a manual reactor trip.

The unit was returned to service on February 9, at 1143. On February 25, the unit began a reactor power coastdown due to fuel burnup. This process entails a power reduction rate of 1 percent every 24 to 36 hours. The reporting period was concluded with reactor power at 95 percent.

OPERATING DATA REPORT

DOCKETNO. 50-499
 UNIT 2
 DATE Mar. 8, 2001
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 2/1/01-2/28/01 GROSS HOURS IN REPORTING PERIOD: 672
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>638.4</u>	<u>1,382.4</u>	<u>81,315.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>558.4</u>	<u>1,302.4</u>	<u>79,176.1</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,075,929</u>	<u>4,915,044</u>	<u>295,036,572</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>708,613</u>	<u>1,690,088</u>	<u>100,555,132</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>677,022</u>	<u>1,617,601</u>	<u>96,038,165</u>
12. REACTOR SERVICE FACTOR	<u>95.0%</u>	<u>97.6%</u>	<u>79.3%</u>
13. REACTOR AVAILABILITY FACTOR	<u>95.0%</u>	<u>97.6%</u>	<u>79.3%</u>
14. UNIT SERVICE FACTOR	<u>83.1%</u>	<u>92.0%</u>	<u>77.2%</u>
15. UNIT AVAILABILITY FACTOR	<u>83.1%</u>	<u>92.0%</u>	<u>77.2%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>80.6%</u>	<u>91.3%</u>	<u>74.9%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>80.6%</u>	<u>91.3%</u>	<u>74.9%</u>
18. UNIT FORCED OUTAGE RATE	<u>16.9%</u>	<u>8.0%</u>	<u>14.7%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH):			
	Scheduled 25-day outage to allow refueling to begin on March 7, 2001.		
20. 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 Mar. 8, 2001
COMPLETED BY R.L. Hill
TELEPHONE 361 972-7667

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1264</u>	17	<u>1256</u>
2	<u>1264</u>	18	<u>1257</u>
3	<u>1265</u>	19	<u>1254</u>
4	<u>743</u>	20	<u>1258</u>
5	<u>0</u>	21	<u>1260</u>
6	<u>0</u>	22	<u>1260</u>
7	<u>0</u>	23	<u>1260</u>
8	<u>0</u>	24	<u>1260</u>
9	<u>203</u>	25	<u>1252</u>
10	<u>976</u>	26	<u>1237</u>
11	<u>1227</u>	27	<u>1220</u>
12	<u>1251</u>	28	<u>1215</u>
13	<u>1257</u>		
14	<u>1257</u>		
15	<u>1257</u>		
16	<u>1257</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT 2
 DATE Mar. 8, 2001
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

REPORT MONTH FEBRUARY

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
01-01	010204	F	72.3	A	1	N/A	TK	ISV	The unit was removed from service to repair a hydrogen leak in the main generator.
01-02	010207	F	41.3	G	2	2-01-001	AB	P	An inadvertent loss of power occurred to 2F Auxiliary and Standby busses while performing electrical plant transfer operations. A loss of power to the 2A Reactor Coolant Pump subsequently occurred, necessitating a manual reactor trip.
01-03	010225	S	0.0	H	5	N/A	N/A	N/A	The unit began a reactor power coastdown due to fuel burnup.

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
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4
 IEEE 805-1983

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 IEEE 803-1983

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