



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

March 14, 2000
NOC-AE-00000782
File No. G02
STB31055110
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, 2000

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 2000.

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

Sincerely,

A handwritten signature in black ink, appearing to read "M.A. McBurnett", is written over a faint, larger version of the same signature.

M.A. McBurnett
Director, Quality & Licensing

Attachments: 1) STPEGS Unit 1 Monthly Operating Report – February, 2000
2) STPEGS Unit 2 Monthly Operating Report – February, 2000

IE24

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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 2000
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Approved By:



G.L. PARKEY

3-14-00
Date

MONTHLY SUMMARY

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

On February 14, at 2200 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 coastdown was successfully completed on February 29, with reactor power at 87-percent. The unit was removed from service on March 1, at 0001 for scheduled refueling and steam generator replacement.

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Mar. 8, 2000
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 2/1/00-2/29/00 GROSS HOURS IN REPORTING PERIOD: 696
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>696.0</u>	<u>1,440.0</u>	<u>76,136.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>696.0</u>	<u>1,440.0</u>	<u>74,613.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,550,184</u>	<u>5,388,566</u>	<u>277,425,026</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>880,971</u>	<u>1,862,206</u>	<u>94,647,258</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>843,034</u>	<u>1,784,011</u>	<u>90,202,074</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>75.4%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>75.4%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>73.9%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>73.9%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>96.9%</u>	<u>99.1%</u>	<u>71.5%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>96.9%</u>	<u>99.1%</u>	<u>71.5%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>16.4%</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, & DURATION OF EACH):
 Scheduled 68-day outage to allow refueling and steam generator replacement to begin on March 1, 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 Mar. 8, 2000
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>1262</u>	17	<u>1222</u>
2	<u>1265</u>	18	<u>1210</u>
3	<u>1265</u>	19	<u>1205</u>
4	<u>1265</u>	20	<u>1188</u>
5	<u>1264</u>	21	<u>1178</u>
6	<u>1264</u>	22	<u>1171</u>
7	<u>1264</u>	23	<u>1161</u>
8	<u>1264</u>	24	<u>1155</u>
9	<u>1264</u>	25	<u>1140</u>
10	<u>1263</u>	26	<u>1133</u>
11	<u>1261</u>	27	<u>1119</u>
12	<u>1263</u>	28	<u>1107</u>
13	<u>1263</u>	29	<u>967</u>
14	<u>1263</u>	30	<u>N/A</u>
15	<u>1244</u>	31	<u>N/A</u>
16	<u>1238</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Mar. 8, 2000
 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
00-01	000214	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
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 2000
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Approved By:

G.L. Parkey
G.L. PARKEY

3-13-00
Date

MONTHLY SUMMARY

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

On February 4, at 2221 the unit was removed from service to allow a hydrogen leak repair in the main generator. Repairs were completed and the unit was returned to service on February 9, at 1157. On February 9, at 1546, with reactor power at 32-percent, the unit experienced a main turbine trip caused by an Anticipated Transient Without Scram Mitigation System Actuation Circuitry (AMSAC) actuation. The unit was returned to service on February 10, at 1338 and achieved full power on February 11, at 1859.

The unit operated for the remainder of the reporting period at full power with no unit shutdowns or significant power reductions.

OPERATING DATA REPORT

DOCKETNO. 50-499
 UNIT 2
 DATE Mar. 8, 2000
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 2/1/00-2/29/00 GROSS HOURS IN REPORTING PERIOD: 696
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>696.0</u>	<u>1,440.0</u>	<u>72,589.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>564.5</u>	<u>1,260.5</u>	<u>70,683.8</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,124,390</u>	<u>4,750,424</u>	<u>262,690,887</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>719,220</u>	<u>1,618,614</u>	<u>89,452,477</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>687,387</u>	<u>1,548,487</u>	<u>85,411,835</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>77.4%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>100.0%</u>	<u>77.4%</u>
14. UNIT SERVICE FACTOR	<u>81.1%</u>	<u>87.5%</u>	<u>75.4%</u>
15. UNIT AVAILABILITY FACTOR	<u>81.1%</u>	<u>87.5%</u>	<u>75.4%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>79.0%</u>	<u>86.0%</u>	<u>72.8%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>79.0%</u>	<u>86.0%</u>	<u>72.8%</u>
18. UNIT FORCED OUTAGE RATE	<u>18.9%</u>	<u>12.5%</u>	<u>16.1%</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

DOCKETNO. 50-499
UNIT 2
DATE Mar. 8, 2000
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>1260</u>
2	<u>1263</u>	18	<u>1261</u>
3	<u>1263</u>	19	<u>1262</u>
4	<u>1080</u>	20	<u>1263</u>
5	<u>0</u>	21	<u>1263</u>
6	<u>0</u>	22	<u>1263</u>
7	<u>0</u>	23	<u>1263</u>
8	<u>0</u>	24	<u>1255</u>
9	<u>0</u>	25	<u>1264</u>
10	<u>100</u>	26	<u>1264</u>
11	<u>966</u>	27	<u>1264</u>
12	<u>1256</u>	28	<u>1264</u>
13	<u>1260</u>	29	<u>1264</u>
14	<u>1261</u>	30	<u>N/A</u>
15	<u>1259</u>	31	<u>N/A</u>
16	<u>1261</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499
 UNIT 2
 DATE Mar. 8, 2000
 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
00-02	000204	F	109.6	A	1	N/A	TK	PSF	Unit removed from service to repair a controlled hydrogen leak in the main generator.
00-03	000209	F	21.9	H	3	2-00-001	JE	FI	Main turbine trip caused by an AMSAC actuation. The actuation resulted from a modification that introduced reduced operating margin into the AMSAC design which caused an actuation under plant conditions normal for power ascension.

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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IEEE 805-1983

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IEEE 803-1983

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