



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

December 15, 1999
NOC-AE-000733
File No. G02
STI31007484
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 November, 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 November, 1999.

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

Sincerely,

M.A. McBurnett
Director, Quality & Licensing

- Attachments: 1) STPEGS Unit 1 Monthly Operating Report – November, 1999
2) STPEGS Unit 2 Monthly Operating Report – November, 1999

JE24

PDIL ADOXIL 05000498

Ellis W. Merschoff
Regional Administrator, Region IV
U. S. Nuclear Regulatory Commission
611 Ryan Plaza Drive, Suite 400
Arlington, TX 76011-8064

Thomas W. Alexion
Project Manager, Mail Code 0-4D3
U. S. Nuclear Regulatory Commission
Washington, DC 20555-0001

Cornelius F. O'Keefe
Sr. Resident Inspector
c/o U. S. Nuclear Regulatory Commission
P. O. Box 910
Bay City, TX 77404-0910

A. H. Gutterman
Morgan, Lewis & Bockius
1800 M. Street, N.W.
Washington, DC 20036-5869

W. C. Gunst/M. T. Hardt
City Public Service
P. O. Box 1771
San Antonio, TX 78296

A. Ramirez/C. M. Canady
City of Austin
Electric Utility Department
721 Barton Springs Road
Austin, TX 78704

Jon C. Wood
Matthews & Branscomb
One Alamo Center
106 S. St. Mary's Street, Suite 700
San Antonio, TX 78205-3692

Institute of Nuclear Power
Operations - Records Center
700 Galleria Parkway
Atlanta, GA 30339-5957

Richard A. Ratliff
Bureau of Radiation Control
Texas Department of Health
1100 West 49th Street
Austin, TX 78756-3189

D. G. Tees/R. L. Balcom
Houston Lighting & Power Co.
P. O. Box 1700
Houston, TX 77251

Central Power and Light Company
ATTN: G. E. Vaughn/C. A. Johnson
P. O. Box 289, Mail Code: N5012
Wadsworth, TX 77483

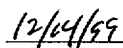
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
NOVEMBER 1999
STP NUCLEAR OPERATING COMPANY
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Approved By:



G.L. PARKEY



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.	<u>50-498</u>
UNIT	<u>1</u>
DATE	<u>Dec. 13, 1999</u>
COMPLETED BY	<u>R.L. Hill</u>
TELEPHONE	<u>361 972-7667</u>

OPERATING STATUS

1. REPORTING PERIOD: 11/1/99-11/30/99 GROSS HOURS IN REPORTING PERIOD: 720
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>720.0</u>	<u>7,156.1</u>	<u>73,952.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>720.0</u>	<u>7,114.9</u>	<u>72,429.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,747,965</u>	<u>26,719,580</u>	<u>269,197,803</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>940,986</u>	<u>9,107,486</u>	<u>91,806,738</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>902,307</u>	<u>8,706,979</u>	<u>87,479,670</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>89.3%</u>	<u>74.9%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>89.3%</u>	<u>74.9%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>88.7%</u>	<u>73.3%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>88.7%</u>	<u>73.3%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>100.2%</u>	<u>86.8%</u>	<u>70.8%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>100.2%</u>	<u>86.8%</u>	<u>70.8%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>1.5%</u>	<u>16.8%</u>

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

Scheduled 70-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 Dec. 13, 1999
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>1255</u>	17	<u>1255</u>
2	<u>1255</u>	18	<u>1254</u>
3	<u>1255</u>	19	<u>1252</u>
4	<u>1255</u>	20	<u>1254</u>
5	<u>1255</u>	21	<u>1253</u>
6	<u>1239</u>	22	<u>1253</u>
7	<u>1251</u>	23	<u>1253</u>
8	<u>1252</u>	24	<u>1248</u>
9	<u>1254</u>	25	<u>1254</u>
10	<u>1255</u>	26	<u>1254</u>
11	<u>1254</u>	27	<u>1254</u>
12	<u>1255</u>	28	<u>1254</u>
13	<u>1254</u>	29	<u>1254</u>
14	<u>1254</u>	30	<u>1254</u>
15	<u>1254</u>	31	<u>N/A</u>
16	<u>1254</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Dec. 13, 1999
 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
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


NOVEMBER 1999


STP NUCLEAR OPERATING COMPANY

NRC DOCKET NO. 50-499

LICENSE NO. NPF-80

Approved By:


G.L. PARKEY


Date

MONTHLY SUMMARY

STPEGS Unit 2 began the reporting period shutdown for refueling and scheduled maintenance.

The unit was returned to service on November 9, at 0459. During power ascension, Steam Generator Feedwater Pump 21 was removed from service due to higher than expected vibration levels. Reactor power was conservatively maintained at 90-percent. Corrective maintenance was performed and full power was achieved on November 23, at 2258.

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 Dec. 13, 1999
 COMPLETED BY R.L. Hill
 TELEPHONE 361 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 11/1/99-11/30/99 GROSS HOURS IN REPORTING PERIOD: 720
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>582.9</u>	<u>7,403.8</u>	<u>70,405.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>532.2</u>	<u>7,291.2</u>	<u>68,679.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>1,773,622</u>	<u>27,244,402</u>	<u>255,144,769</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>603,445</u>	<u>9,279,355</u>	<u>86,871,228</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>572,630</u>	<u>8,876,605</u>	<u>82,940,694</u>
12. REACTOR SERVICE FACTOR	<u>81.0%</u>	<u>92.4%</u>	<u>76.9%</u>
13. REACTOR AVAILABILITY FACTOR	<u>81.0%</u>	<u>92.4%</u>	<u>76.9%</u>
14. UNIT SERVICE FACTOR	<u>73.9%</u>	<u>90.9%</u>	<u>75.0%</u>
15. UNIT AVAILABILITY FACTOR	<u>73.9%</u>	<u>90.9%</u>	<u>75.0%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>63.6%</u>	<u>88.5%</u>	<u>72.4%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>63.6%</u>	<u>88.5%</u>	<u>72.4%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>1.2%</u>	<u>16.3%</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: N/A			

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499
UNIT 2
DATE Dec. 13, 1999
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>1128</u>
2	<u>0</u>	18	<u>1128</u>
3	<u>0</u>	19	<u>1128</u>
4	<u>0</u>	20	<u>1129</u>
5	<u>0</u>	21	<u>1129</u>
6	<u>0</u>	22	<u>1129</u>
7	<u>0</u>	23	<u>1152</u>
8	<u>6</u>	24	<u>1252</u>
9	<u>186</u>	25	<u>1253</u>
10	<u>730</u>	26	<u>1253</u>
11	<u>996</u>	27	<u>1253</u>
12	<u>1006</u>	28	<u>1253</u>
13	<u>1005</u>	29	<u>1253</u>
14	<u>1005</u>	30	<u>1253</u>
15	<u>1104</u>	31	<u>N/A</u>
16	<u>1128</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499
 UNIT 2
 DATE Dec. 13, 1999
 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
99-07	991013	S	179.0	C	4	N/A	N/A	N/A	Refueling and scheduled maintenance outage.
99-08	991108	S	8.8	B	9	N/A	TA	TRB	Main Turbine Overspeed Trip Test.
99-09	991111	F	0.0	A	5	N/A	SJ	TRB	Steam Generator Feedwater Pump 21 was removed from service due to higher than expected vibration levels. Reactor power was conservatively maintained at 90-percent. Corrective maintenance was performed and the pump was returned to service.

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.