

# The Light company

Houston Lighting & Power

South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

October 15, 1996  
ST-HL-AE- 100005  
File No. G02  
10CFR50.71

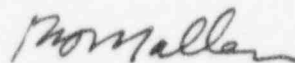
U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Monthly Operating Reports for September 1996

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 September 1996.

If you should have any questions on this matter, please contact D. M. Bergendahl at (512) 972-7688.

Sincerely,



F. H. Mallen  
Manager, Planning & Controls

RLH/sl

Attachments: 1) STPEGS Unit 1 Monthly Operating Report - September 1996  
2) STPEGS Unit 2 Monthly Operating Report - September 1996

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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
SEPTEMBER 1996  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By:

DE Uebel for

D.M. BERGENDAHL

10/8/96

Date

Approved By:

A. Z. Parkey

G.L. PARKEY

10/10/96

Date

## MONTHLY SUMMARY

STPEGS Unit 1 operated during the reporting period at full power with no unit shutdowns or significant power reductions.

# OPERATING DATA REPORT

DOCKETNO. 50-498  
UNIT 1  
DATE Oct. 7, 1996  
COMPLETED BY R.L. Hill  
TELEPHONE 512 972-7667

## OPERATING STATUS

1. REPORTING PERIOD: 9/1/96-9/30/96 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>6,033.2</u>	<u>47,670.5</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>6,006.0</u>	<u>46,345.3</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,748,240</u>	<u>22,648,704</u>	<u>170,805,039</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>941,200</u>	<u>7,776,540</u>	<u>58,158,210</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>900,780</u>	<u>7,442,840</u>	<u>55,255,560</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>91.8%</u>	<u>67.1%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>91.8%</u>	<u>67.1%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>91.3%</u>	<u>65.3%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>91.3%</u>	<u>65.3%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>100.0%</u>	<u>90.5%</u>	<u>62.2%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>100.0%</u>	<u>90.5%</u>	<u>62.2%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>23.7%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND 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. 50-498  
 UNIT 1  
 DATE Oct. 7, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

MONTH SEPTEMBER

DAY AVERAGE DAILY POWER  
 LEVEL  
 (MWe-Net)

1	<u>1253</u>
2	<u>1252</u>
3	<u>1248</u>
4	<u>1249</u>
5	<u>1252</u>
6	<u>1248</u>
7	<u>1253</u>
8	<u>1252</u>
9	<u>1253</u>
10	<u>1247</u>
11	<u>1249</u>
12	<u>1244</u>
13	<u>1253</u>
14	<u>1248</u>
15	<u>1248</u>
16	<u>1252</u>

DAY AVERAGE DAILY POWER  
 LEVEL  
 (MWe-Net)

17	<u>1248</u>
18	<u>1248</u>
19	<u>1251</u>
20	<u>1252</u>
21	<u>1253</u>
22	<u>1252</u>
23	<u>1251</u>
24	<u>1247</u>
25	<u>1255</u>
26	<u>1252</u>
27	<u>1253</u>
28	<u>1257</u>
29	<u>1257</u>
30	<u>1257</u>
31	<u>N/A</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-498  
 UNIT 1  
 DATE Oct, 7, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

REPORT MONTH SEPTEMBER

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  
SEPTEMBER 1996  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By:	<u>TE Uehel for</u>	<u>10/8/96</u>
	D.M. BERGENDAHL	Date
Approved By:	<u>R.E. Masse</u>	<u>10/9/96</u>
	R.E. MASSE	Date

## MONTHLY SUMMARY

STPEGS Unit 2 operated during the reporting period at full power with no unit shutdowns or significant power reductions.

# OPERATING DATA REPORT

DOCKETNO. 50-499  
 UNIT 2  
 DATE Oct. 7, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

## OPERATING STATUS

1. REPORTING PERIOD: 9/1/96-9/30/96 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>6,244.7</u>	<u>44,345.4</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>6,165.0</u>	<u>42,983.5</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,748,057</u>	<u>23,414,547</u>	<u>158,389,223</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>937,700</u>	<u>8,024,300</u>	<u>53,852,681</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>897,340</u>	<u>7,679,900</u>	<u>51,329,246</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>95.0%</u>	<u>69.4%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>95.0%</u>	<u>69.4%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>93.8%</u>	<u>67.3%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>93.8%</u>	<u>67.3%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>99.7%</u>	<u>93.4%</u>	<u>64.3%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>99.7%</u>	<u>93.4%</u>	<u>64.3%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.9%</u>	<u>23.1%</u>

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

Scheduled 35 day refueling outage to begin on February 8, 1997.

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 Oct. 7, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

MONTH SEPTEMBER

DAY AVERAGE DAILY POWER  
 LEVEL  
 (MWe-Net)

1	<u>1248</u>
2	<u>1248</u>
3	<u>1243</u>
4	<u>1249</u>
5	<u>1249</u>
6	<u>1245</u>
7	<u>1244</u>
8	<u>1245</u>
9	<u>1244</u>
10	<u>1243</u>
11	<u>1244</u>
12	<u>1239</u>
13	<u>1244</u>
14	<u>1244</u>
15	<u>1244</u>
16	<u>1244</u>

DAY AVERAGE DAILY POWER  
 LEVEL  
 (MWe-Net)

17	<u>1245</u>
18	<u>1243</u>
19	<u>1244</u>
20	<u>1248</u>
21	<u>1248</u>
22	<u>1244</u>
23	<u>1248</u>
24	<u>1243</u>
25	<u>1252</u>
26	<u>1247</u>
27	<u>1253</u>
28	<u>1248</u>
29	<u>1257</u>
30	<u>1253</u>
31	<u>N/A</u>

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499  
 UNIT 2  
 DATE Oct. 7, 1996  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512 972-7667

REPORT MONTH SEPTEMBER

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.