

# The Light company

Houston Lighting & Power South Texas Project Electric Generating Station P. O. Box 289 Wadsworth, Texas 77483

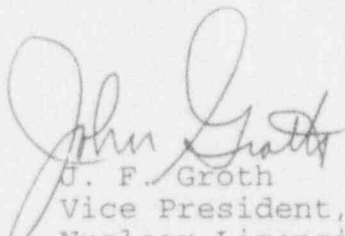
March 15, 1994  
ST-HL-AE-4729  
File No.: G02  
10CFR50.71

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 February, 1994

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, 1994.

If you should have any questions on this matter, please  
contact Mr. S. M. Head at (512) 972-7136.

  
J. F. Groth  
Vice President,  
Nuclear Licensing

MKJ/at

- Attachments: 1) STPEGS Unit 1 Monthly Operating Report -  
February, 1994
- 2) STPEGS Unit 2 Monthly Operating Report -  
February, 1994

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Project Manager on Behalf of the Participants in the South Texas Project

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U. S. Nuclear Regulatory Comm.  
Attn: Document Control Desk  
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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
FEBRUARY 1994  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By: [Signature] 3-4-94  
Supervisor Date

Reviewed By: [Signature] 3-4-94  
Engineering Manager Date

Approved By: [Signature] 3/8/94  
Plant Manager Date

Monthly Summary

ATTACHMENT 1 ST-HL-AE-4729 PAGE <u>2</u> OF <u>6</u>
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STPEGS Unit 1 was shutdown during February, 1993 due to auxiliary feedwater system component failures. While the unit was shutdown, corrective maintenance was performed and organizational and work process changes were implemented.

The unit was returned to service on 2/25/94 at 1700. On 2/28/94, with the unit at 29% reactor power, the reactor was manually tripped at 2213 when the "D" steam generator main feedwater regulating valve went closed and would not re-open.

The unit concluded the reporting period with the investigation into the root cause on-going.

OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE Mar. 3, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 02/01/94-02/28/94 GROSS HOURS IN REPORTING PERIOD: 672
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3800  
 MAX.DEPEND.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 WAS CRITICAL.....	<u>261.8</u>	<u>261.8</u>	<u>27134.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>87.0</u>	<u>87.0</u>	<u>26010.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>82814</u>	<u>82814</u>	<u>94748321</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>12280</u>	<u>12280</u>	<u>32026940</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>8460</u>	<u>8460</u>	<u>30268004</u>
12. REACTOR SERVICE FACTOR.....	<u>39.0%</u>	<u>18.5%</u>	<u>56.1%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>39.0%</u>	<u>18.5%</u>	<u>56.1%</u>
14. UNIT SERVICE FACTOR.....	<u>12.9%</u>	<u>6.1%</u>	<u>53.8%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>12.9%</u>	<u>6.1%</u>	<u>53.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>1.0%</u>	<u>0.5%</u>	<u>50.1%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>1.0%</u>	<u>0.5%</u>	<u>50.1%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>86.9%</u>	<u>93.8%</u>	<u>34.4%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): N/A			
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			<u>03/15/94</u>

AVERAGE DAILY UNIT POWER LEVEL

ATTACHMENT 1  
 ST-HL-AE-4729  
 PAGE 4 OF 6

DOCKET NO. 50-498  
 UNIT 1  
 DATE Mar. 3, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>0</u>
2	<u>0</u>	18	<u>0</u>
3	<u>0</u>	19	<u>0</u>
4	<u>0</u>	20	<u>0</u>
5	<u>0</u>	21	<u>0</u>
6	<u>0</u>	22	<u>0</u>
7	<u>0</u>	23	<u>0</u>
8	<u>0</u>	24	<u>0</u>
9	<u>0</u>	25	<u>49</u>
10	<u>0</u>	26	<u>121</u>
11	<u>0</u>	27	<u>89</u>
12	<u>0</u>	28	<u>94</u>
13	<u>0</u>	29	<u>N/A</u>
14	<u>0</u>	30	<u>N/A</u>
15	<u>0</u>	31	<u>N/A</u>
16	<u>0</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Mar. 3, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH FEBRUARY

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
93-05	930204	F	577.3	F	4	N/A	N/A	N/A	The unit will not be taken critical until the results of the auxiliary feedwater system corrective action and additional issues have been addressed.
94-01	940225	S	5.9	B	9	N/A	TA	TRB	Main turbine overspeed trip test.
94-02	940228	F	1.8	A	2	1-94-009	JB	FCV	The unit was manually tripped when the "D" steam generator main feedwater regulating valve went closed and would not re-open.  Investigation into the root cause is on-going. Corrective actions will be established following the completion of the investigation.

<sup>1</sup>  
 F: Forced  
 S: Scheduled

<sup>2</sup>  
 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)

<sup>3</sup>  
 Method:  
 1-Manual  
 2-Manual Scram  
 3-Automatic Scram  
 4-Cont. of Existing  
 Outage  
 5-Reduction  
 9-Other

<sup>4</sup>  
 IEEE 805-1983

<sup>5</sup>  
 IEEE 803A-1983

ATTACHMENT 1  
 SI-HL-AE-4729  
 PAGE 5 OF 6

PORVs and Safety Valves 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 1994  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By: [Signature] 3-4-94  
Supervisor Date

Reviewed By: AC McDutty 3-4-94  
Engineering Manager Date

Approved By: [Signature] 3/7/94  
Plant Manager Date

Monthly Summary

ATTACHMENT 2  
ST-HL-AE-4229  
PAGE 2 OF 6

STPEGS Unit 2 experienced an automatic reactor scram during February 1993 and subsequently remained shutdown due to auxiliary feedwater system component failures. While the unit was shutdown, corrective maintenance was performed and organizational and work process changes were implemented.

Upon the resolution of the auxiliary feedwater system component failures and the additional issues, efforts were resumed on the refueling and scheduled maintenance outage.

The energy losses for the unit are unplanned, except for the period between February 27 and May 23, 1993, which was the previously scheduled outage period for the unit.

The unit will not be taken critical until the self-assessment process as presented by the Operational Readiness Plan is completed. The self-assessment process will evaluate and determine the acceptability of continued operation at specific milestones.

OPERATING DATA REPORT

DOCKET NO. 50-499  
 UNIT 2  
 DATE Mar. 3, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 02/01/94-02/28/94 GROSS HOURS IN REPORTING PERIOD: 672
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800  
 MAX.DEPEND.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 WAS CRITICAL.....	<u>0</u>	<u>0</u>	<u>24756.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>0</u>	<u>0</u>	<u>23733.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	<u>0</u>	<u>0</u>	<u>86433521</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>0</u>	<u>0</u>	<u>29204590</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>0</u>	<u>0</u>	<u>27735279</u>
12. REACTOR SERVICE FACTOR.....	<u>0.0%</u>	<u>0.0%</u>	<u>60.1%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0%</u>	<u>0.0%</u>	<u>60.1%</u>
14. UNIT SERVICE FACTOR.....	<u>0.0%</u>	<u>0.0%</u>	<u>57.6%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0%</u>	<u>0.0%</u>	<u>57.6%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>0.0%</u>	<u>0.0%</u>	<u>53.8%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>0.0%</u>	<u>0.0%</u>	<u>53.8%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>100.0%</u>	<u>100.0%</u>	<u>30.7%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH): N/A			
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>04/28/94</u>			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-499  
UNIT 2  
DATE Mar. 3, 1994  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH FEBRUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>
2	<u>0</u>
3	<u>0</u>
4	<u>0</u>
5	<u>0</u>
6	<u>0</u>
7	<u>0</u>
8	<u>0</u>
9	<u>0</u>
10	<u>0</u>
11	<u>0</u>
12	<u>0</u>
13	<u>0</u>
14	<u>0</u>
15	<u>0</u>
16	<u>0</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>0</u>
18	<u>0</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>0</u>
23	<u>0</u>
24	<u>0</u>
25	<u>0</u>
26	<u>0</u>
27	<u>0</u>
28	<u>0</u>
29	<u>N/A</u>
30	<u>N/A</u>
31	<u>N/A</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499

UNIT 2

DATE Mar. 3, 1994

COMPLETED BY R.L. Hill

TELEPHONE 512/972-7667

REPORT MONTH FEBRUARY

No.	Date	Type <sup>1</sup>	Duration (Hours)	Reason <sup>2</sup>	Method of Shutting Down Reactor <sup>3</sup>	Licensee Event Report #	System Code <sup>4</sup>	Component Code <sup>5</sup>	Cause & Corrective Action to Prevent Recurrence
93-07	930524	F	672.0	F	4	N/A	N/A	N/A	Upon the resolution of the auxiliary feedwater system corrective actions and additional issues, the refueling and scheduled maintenance outage was resumed.

<sup>1</sup>  
F: Forced  
S: Scheduled

<sup>2</sup>  
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)

<sup>3</sup>  
Method:  
1-Manual  
2-Manual Scram  
3-Automatic Scram  
4-Cont. of Existing  
Outage  
5-Reduction  
9-Other

<sup>4</sup>  
IEEE 805-1983

<sup>5</sup>  
IEEE 803A-1983

ATTACHMENT  
ST-HL-AE-4729  
PAGE 5 OF 6

PORVs and Safety Valves Summary

ATTACHMENT 2  
ST-HL AE-4729  
PAGE 6 OF 6

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