

# The Light company

Houston Lighting & Power

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

February 14, 1995

ST-HL-AE-5002

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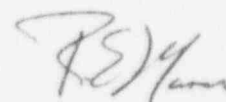
U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Monthly Operating Reports for January 1995

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 January 1995.

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

  
for L. W. Myers  
Plant Manager,  
Unit 1

  
R. E. Masse  
Plant Manager,  
Unit 2

MKJ/lf

Attachments: 1) STPEGS Unit 1 Monthly Operating Report - January 1995  
2) STPEGS Unit 2 Monthly Operating Report - January 1995

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

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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
JANUARY 1995  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By:	<u>D. M. Bergendahl</u>	<u>2/9/95</u>
	D. M. BERGENDAHL	Date
Reviewed By:	<u>F. H. Mallen</u>	<u>2/9/95</u>
	F. H. MALLEN	Date
Approved By:	<u>L. W. Myers</u>	<u>2/14/95</u>
	L. W. MYERS	Date

Monthly Summary

ATTACHMENT 1  
ST-HL-AE-5002  
PAGE 2 OF 6

STPEGS Unit 1 began the reporting period operating at 100% reactor power.

On 1/8/95 reactor power was reduced to approximately 34% to allow for repair of a 0.2 gallon per minute leak at a compression fitting on a Reactor Coolant System flow transmitter instrument line. Repairs were completed with the unit achieving full power on 1/10/95 at 0058.

On 1/24/95 at 1528 the unit experienced a reactor trip on low steam generator level due to the loss of a steam generator feedwater pump in conjunction with the startup feedwater pump being out of service for scheduled maintenance. Corrective maintenance was performed and the unit was returned to service on 1/27/95 at 0245.

On 1/28/95 reactor power ascension was stabilized at approximately 87% to allow feedwater heater tube leak repairs. Reactor power was further reduced to approximately 72% on 1/30/95 at 0225 to repair an electro-hydraulic oil leak on a steam generator feedwater pump (SGFP) governor valve actuator. Following SGFP repairs the unit was returned to 87% reactor power at 1339 to complete feedwater heater maintenance.

Corrective maintenance was completed and the unit continued reactor power ascension on 1/31/95 concluding the reporting period at approximately 99.4% with ascension to full power in progress.

# OPERATING DATA REPORT

ATTACHMENT I  
ST-HL-AE-5002  
PAGE 3 OF 6

DOCKET NO. 50-498  
UNIT 1  
DATE Feb. 8, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

## OPERATING STATUS

1. REPORTING PERIOD: 01/01/95-01/31/95 GROSS HOURS IN REPORTING PERIOD: 744
  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.....                                   | 710.6      | 710.6      | 34663.5    |
| 6. REACTOR RESERVE SHUTDOWN HOURS.....   | 0          | 0          | 0          |
| 7. HOURS GENERATOR ON LINE.....  | 684.7      | 684.7      | 33451.8    |
| 8. UNIT RESERVE SHUTDOWN HOURS.....  | 0          | 0          | 0          |
| 9. GROSS THERMAL ENERGY GENERATED (MWt).....                                   | 2476989    | 2476989    | 122298969  |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..                                 | 850850     | 850850     | 41505810   |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)....                                  | 814056     | 814056     | 39325008   |
| 12. REACTOR SERVICE FACTOR.....  | 95.5%      | 95.5%      | 61.4%      |
| 13. REACTOR AVAILABILITY FACTOR.....   | 95.5%      | 95.5%      | 61.4%      |
| 14. UNIT SERVICE FACTOR.....   | 92.0%      | 92.0%      | 59.3%      |
| 15. UNIT AVAILABILITY FACTOR.....  | 92.0%      | 92.0%      | 59.3%      |
| 16. UNIT CAPACITY FACTOR (Using MDC).....                                      | 87.5%      | 87.5%      | 55.7%      |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) ..                                 | 87.5%      | 87.5%      | 55.7       |
| 18. UNIT FORCED OUTAGE RATE.....   | 8.0%       | 8.0%       | 30.0%      |
| 19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): |            |            |            |
| Scheduled 45 day refueling outage to begin on March 4, 1995.                   |            |            |            |
| 20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A       |            |            |            |

AVERAGE DAILY UNIT POWER LEVEL

ATTACHMENT 1  
ST-HL-AE-5002  
PAGE 4 OF 6

DOCKET NO. 50-498  
UNIT 1  
DATE Feb. 8, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH JANUARY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1266
2	1266
3	1266
4	1265
5	1265
6	1265
7	1265
8	1013
9	778
10	1265
11	1264
12	1264
13	1265
14	1265
15	1265
16	1264

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1265
18	1266
19	1265
20	1266
21	1268
22	1268
23	1268
24	802
25	0
26	0
27	466
28	1077
29	1093
30	973
31	1142

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Feb. 8, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH JANUARY

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
95-01	950108	F	0.0	A	5	N/A	AB	CON	Reactor power was reduced to approximately 34% to allow for repair of a 0.2 gallon per minute leak at a compression fitting on a Reactor Coolant System flow transmitter instrument line.
95-02	950124	F	59.3	A	3	1-95-001	JB	CBL	The unit experienced a reactor trip on low-low steam generator level in Steam Generator 1C. The event was initiated when Steam Generator Feedwater Pump 13 tripped as a result of a defective cable on the turbine thrust bearing wear detector. The thrust bearing wear detector cable failed causing intermittent signal spiking resulting in the generation of a trip signal to the feedwater pump control system. The loss of the steam generator feedwater pump in conjunction with the startup feedwater pump being out of service for scheduled maintenance

<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  
 ST-HL-AE-5002  
 PAGE 4 OF 6

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Feb. 8, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH JANUARY

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
95-03	950128	F	0.0	A	5	N/A	SJ	TBG	<p>resulted in low water level in the steam generator and the subsequent reactor trip.</p> <p>The thrust bearing wear detector and the cable was replaced.</p> <p>Reactor power ascension was stabilized at approximately 87% to allow tube leak repair on Feedwater Heater 15A.</p>
95-04	950130	F	0.0	A	5	N/A	SJ	V	<p>With the unit at approximately 87% reactor power while maintenance was being performed on Feedwater Heater 15A, reactor power was further reduced to approximately 72% to allow repair of an electro-hydraulic oil leak on the low pressure governor actuator valve of Steam Generator Feedwater Pump 11.</p>

<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)

<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  
 ST-HL-AE-5002  
 PAGE 5 OF 6



PORVs and Safety Valves Summary

ATTACHMENT 1  
ST-HL-AE-5002  
PAGE 6 OF 6

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

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
JANUARY 1995  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By:	<u>D. M. BERGENDAHL</u>	<u>2/9/95</u>
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Reviewed By:	<u>F. H. MALLIN</u>	<u>2/9/95</u>
	F. H. MALLIN	Date
Approved By:	<u>R. E. MASSE</u>	<u>2/11/95</u>
	R. E. MASSE	Date

Monthly Summary

ATTACHMENT 2

ST-HL-AE-5002

PAGE 2 OF 6

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

# OPERATING DATA REPORT

ATTACHMENT 2  
ST-HL-AE-5002  
PAGE 3 OF 6

DOCKET NO. 50-499  
UNIT 2  
DATE Feb. 7, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

## OPERATING STATUS

1. REPORTING PERIOD: 01/01/95-01/31/95 GROSS HOURS IN REPORTING PERIOD: 744
  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.....   | 744.0      | 744.0      | 30780.7    |
| 6. REACTOR RESERVE SHUTDOWN HOURS.....   | 0          | 0          | 0          |
| 7. HOURS GENERATOR ON LINE.....  | 744.0      | 744.0      | 29576.7    |
| 8. UNIT RESERVE SHUTDOWN HOURS.....  | 0          | 0          | 0          |
| 9. GROSS THERMAL ENERGY GENERATED (MWt).....   | 2833527    | 2833527    | 107614024  |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..                                       | 980770     | 980770     | 36438640   |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)....  | 941587     | 941587     | 34667842   |
| 12. REACTOR SERVICE FACTOR.....  | 100.0%     | 100.0%     | 62.5%      |
| 13. REACTOR AVAILABILITY FACTOR.....   | 100.0%     | 100.0%     | 62.5%      |
| 14. UNIT SERVICE FACTOR.....   | 100.0%     | 100.0%     | 60.0%      |
| 15. UNIT AVAILABILITY FACTOR.....  | 100.0%     | 100.0%     | 60.0%      |
| 16. UNIT CAPACITY FACTOR (Using MDC).....  | 101.2%     | 101.2%     | 56.3%      |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) ..                                       | 101.2%     | 101.2%     | 56.3%      |
| 18. UNIT FORCED OUTAGE RATE.....   | 0.0%       | 0.0%       | 30.1%      |
| 19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):<br>N/A |            |            |            |
| 20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A             |            |            |            |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-499  
UNIT 2  
DATE Feb. 7, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH JANUARY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1271</u>
2	<u>1267</u>
3	<u>1271</u>
4	<u>1270</u>
5	<u>1271</u>
6	<u>1270</u>
7	<u>1271</u>
8	<u>1270</u>
9	<u>1270</u>
10	<u>1270</u>
11	<u>1268</u>
12	<u>1269</u>
13	<u>1266</u>
14	<u>1269</u>
15	<u>1269</u>
16	<u>1268</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>1269</u>
18	<u>1269</u>
19	<u>1270</u>
20	<u>1268</u>
21	<u>1271</u>
22	<u>1271</u>
23	<u>1263</u>
24	<u>1268</u>
25	<u>1259</u>
26	<u>1243</u>
27	<u>1265</u>
28	<u>1109</u>
29	<u>1272</u>
30	<u>1274</u>
31	<u>1274</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Feb. 7, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH JANUARY

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
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

<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 2  
 ST-HL-AE-5062  
 PAGE 5 OF 4

PORVs and Safety Valves Summary

ATTACHMENT 2

ST-HL-AE-5002

PAGE 6 OF 6

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