

# The Light company

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

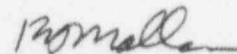
October 13, 1995  
ST-HL-AE-5215  
File No.: G02  
10CFR50.71

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 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 September 1995.

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



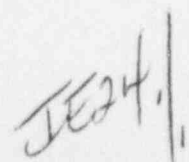
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Manager,  
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RLH/bc

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

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



Houston Lighting & Power Company  
South Texas Project Electric Generating Station

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

Reviewed By: D. Bergendahl 10/6/95  
D. M. BERGENDAHL Date

Approved By: L. W. Myers 10/12/95  
L. W. MYERS Date

Monthly Summary

STPEGS Unit 1 began the reporting period operating at approximately 86% reactor power with ascension to full power in progress following recovery from a reactor trip on August 29.

The unit achieved full power on September 1 at 0655 and operated for the remainder of the reporting period with no unit shutdowns or significant power reductions.

**OPERATING DATA REPORT**

DOCKET NO. 50-498  
 UNIT 1  
 DATE Oct. 6, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

**OPERATING STATUS**

1. REPORTING PERIOD: 09/01/95-09/30/95 GROSS HOURS IN REPORTING PERIOD: 720
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>720.0</u>   | <u>5549.6</u>   | <u>39502.5</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>5450.1</u>   | <u>38217.5</u>   |
| 8. UNIT RESERVE SHUTDOWN HOURS.....   | <u>0</u>       | <u>0</u>        | <u>0</u>         |
| 9. GROSS THERMAL ENERGY GENERATED (Mwt).....  | <u>2747507</u> | <u>20350992</u> | <u>140172972</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..  | <u>939300</u>  | <u>6980222</u>  | <u>47635182</u>  |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)....   | <u>897450</u>  | <u>6672843</u>  | <u>45183795</u>  |
| 12. REACTOR SERVICE FACTOR.....   | <u>100.0%</u>  | <u>84.7%</u>    | <u>63.5%</u>     |
| 13. REACTOR AVAILABILITY FACTOR.....  | <u>100.0%</u>  | <u>84.7%</u>    | <u>63.5%</u>     |
| 14. UNIT SERVICE FACTOR.....  | <u>100.0%</u>  | <u>83.2%</u>    | <u>61.4%</u>     |
| 15. UNIT AVAILABILITY FACTOR.....   | <u>100.0%</u>  | <u>83.2%</u>    | <u>61.4%</u>     |
| 16. UNIT CAPACITY FACTOR (Using MDC).....   | <u>99.7%</u>   | <u>81.4%</u>    | <u>58.1%</u>     |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) ..  | <u>99.7%</u>   | <u>81.4%</u>    | <u>58.1%</u>     |
| 18. UNIT FORCED OUTAGE RATE.....  | <u>0.0%</u>    | <u>1.8%</u>     | <u>27.3%</u>     |
| 19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):<br><u>N/A</u> |                |                 |                  |
| 20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>N/A</u>             |                |                 |                  |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE Oct. 6, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH SEPTEMBER

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 1234                                   |
| 2   | 1242                                   |
| 3   | 1246                                   |
| 4   | 1242                                   |
| 5   | 1247                                   |
| 6   | 1241                                   |
| 7   | 1242                                   |
| 8   | 1246                                   |
| 9   | 1251                                   |
| 10  | 1246                                   |
| 11  | 1242                                   |
| 12  | 1246                                   |
| 13  | 1246                                   |
| 14  | 1246                                   |
| 15  | 1242                                   |
| 16  | 1250                                   |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 1246                                   |
| 18  | 1241                                   |
| 19  | 1245                                   |
| 20  | 1242                                   |
| 21  | 1240                                   |
| 22  | 1247                                   |
| 23  | 1255                                   |
| 24  | 1256                                   |
| 25  | 1250                                   |
| 26  | 1253                                   |
| 27  | 1250                                   |
| 28  | 1255                                   |
| 29  | 1251                                   |
| 30  | 1255                                   |
| 31  | N/A                                    |



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Oct. 6, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH SEPTEMBER

| No.  | Date | Type <sup>1</sup> | Duration<br>(Hours) | Reason <sup>2</sup> | Method of<br>Shutting<br>Down<br>Reactor <sup>3</sup> | Licensee<br>Event<br>Report # | System<br>Code <sup>4</sup> | Component<br>Code <sup>5</sup> | Cause & Corrective Action to<br>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 1  
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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  
SEPTEMBER 1995  
HOUSTON LIGHTING AND POWER CO.  
NERC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By: D. M. Bergendahl  
D. M. BERGENDAHL

10/6/95  
Date

Approved By: R. E. Masse  
R. E. MASSE

10/9/95  
Date

Monthly Summary

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

**OPERATING DATA REPORT**

DOCKET NO. 50-499  
 UNIT 2  
 DATE Oct. 6, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

**OPERATING STATUS**

1. REPORTING PERIOD: 09/01/95-09/30/95 GROSS HOURS IN REPORTING PERIOD: 720
  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>720.0</u>   | <u>6493.3</u>   | <u>36530.1</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>6480.6</u>   | <u>35313.3</u>   |
| 8. UNIT RESERVE SHUTDOWN HOURS.....  | <u>0</u>       | <u>0</u>        | <u>0</u>         |
| 9. GROSS THERMAL ENERGY GENERATED (Mwt).....                                   | <u>2748240</u> | <u>24666095</u> | <u>129446592</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..                                 | <u>938900</u>  | <u>8477011</u>  | <u>43934881</u>  |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) ....                                 | <u>896420</u>  | <u>8113071</u>  | <u>41839326</u>  |
| 12. REACTOR SERVICE FACTOR.....  | <u>100.0%</u>  | <u>99.1%</u>    | <u>66.3%</u>     |
| 13. REACTOR AVAILABILITY FACTOR.....   | <u>100.0%</u>  | <u>99.1%</u>    | <u>66.3%</u>     |
| 14. UNIT SERVICE FACTOR.....   | <u>100.0%</u>  | <u>98.9%</u>    | <u>64.1%</u>     |
| 15. UNIT AVAILABILITY FACTOR.....  | <u>100.0%</u>  | <u>98.9%</u>    | <u>64.1%</u>     |
| 16. UNIT CAPACITY FACTOR (Using MDC).....                                      | <u>99.6%</u>   | <u>99.0%</u>    | <u>60.7%</u>     |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) ..                                 | <u>99.6%</u>   | <u>99.0%</u>    | <u>60.7%</u>     |
| 18. UNIT FORCED OUTAGE RATE.....   | <u>0.0%</u>    | <u>1.1%</u>     | <u>26.6%</u>     |
| 19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH) : |                |                 |                  |
| Scheduled 35 day refueling outage to begin on October 7, 1995.                 |                |                 |                  |
| 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 Oct. 6, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH SEPTEMBER

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 1   | 1245                                   |
| 2   | 1241                                   |
| 3   | 1241                                   |
| 4   | 1236                                   |
| 5   | 1241                                   |
| 6   | 1240                                   |
| 7   | 1240                                   |
| 8   | 1237                                   |
| 9   | 1241                                   |
| 10  | 1249                                   |
| 11  | 1245                                   |
| 12  | 1245                                   |
| 13  | 1247                                   |
| 14  | 1243                                   |
| 15  | 1245                                   |
| 16  | 1245                                   |

| DAY | AVERAGE DAILY POWER LEVEL<br>(MWe-Net) |
|-----|--|
| 17  | 1245                                   |
| 18  | 1241                                   |
| 19  | 1240                                   |
| 20  | 1240                                   |
| 21  | 1244                                   |
| 22  | 1249                                   |
| 23  | 1249                                   |
| 24  | 1253                                   |
| 25  | 1254                                   |
| 26  | 1249                                   |
| 27  | 1253                                   |
| 28  | 1249                                   |
| 29  | 1254                                   |
| 30  | 1248                                   |
| 31  | N/A                                    |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50 199  
 UNIT 2  
 DATE 6, 1995  
 COMPLETED BY Hill  
 TELEPHONE /972-7667

REPORT MONTH SEPTEMBER

| 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-5215  
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PORVs and Safety Valves Summary

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