

# The Light company

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

September 14, 1995  
ST-HL-AE-5178  
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 August 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 August 1995.

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



M. A. McBurnett  
Manager,  
Nuclear Licensing

MKJ/lf

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

200003

MISC-955178

Project Manager on Behalf of the Participants in the South Texas Project  
9509200114 950831  
PDR ADDCK 05000498  
R PDR

JE24/1

Houston Lighting & Power Company  
South Texas Project Electric Generating Station

ST-HL-AE-5178  
File No.: G02  
Page 2

c:

Leonard J. Callan  
Regional Administrator, Region IV  
U. S. Nuclear Regulatory Commission  
611 Ryan Plaza Drive, Suite 400  
Arlington, TX 76011-8064

Thomas W. Alexion  
Project Manager  
U. S. Nuclear Regulatory Commission  
Washington, DC 20555-0001 13H15

David P. Loveless  
Sr. Resident Inspector  
c/o U. S. Nuclear Regulatory Comm.  
P. O. Box 910  
Bay City, TX 77404-0910

J. R. Newman, Esquire  
Morgan, Lewis & Bockius  
1800 M Street, N.W.  
Washington, DC 20036-5869

K. J. Fiedler/M. T. Hardt  
City Public Service  
P. O. Box 1771  
San Antonio, TX 78296

J. C. Lanier/M. B. Lee  
City of Austin  
Electric Utility Department  
721 Barton Springs Road  
Austin, TX 78704

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

Rufus S. Scott  
Associate General Counsel  
Houston Lighting & Power Company  
P. O. Box 61067  
Houston, TX 77208

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

Dr. Joseph M. Hendrie  
50 Bellport Lane  
Bellport, NY 11713

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

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

J. R. Egan, Esquire  
Egan & Associates, P.C.  
2300 N Street, N.W.  
Washington, D.C. 20037

J. W. Beck  
Little Harbor Consultants, Inc.  
44 Nichols Road  
Cohasset, MA 02025-1166

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

Reviewed By: *D. M. Bergendahl* 9/11/95  
D. M. BERGENDAHL Date

Approved By: *L. W. Myers* 9/12/95  
L. W. MYERS Date

Monthly Summary

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

On August 29, 1995, at 1127 the unit experienced an automatic trip on Loss of Flow due to a loss of power to Reactor Coolant Pump 1C. At the time of the occurrence, preventive maintenance of a ground relay in the 13.8KV switchgear was being conducted. During the maintenance activity, a lockout relay was inadvertently actuated causing the feeder breaker to an auxiliary bus to open and loss of power to Reactor Coolant Pump 1C.

The unit was returned to service on August 31, at 0321 and concluded the reporting period at approximately 86% with ascension to full power in progress.

OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep. 7, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 08/01/95-08/31/95 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.....	715.6	4829.6	38782.5
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	704.1	4730.1	37497.5
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	2650586	17603485	137425465
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..	905200	6040922	46695882
11. NET ELECTRICAL ENERGY GENERATED (MWH) ....	863210	5775393	44286345
12. REACTOR SERVICE FACTOR.....	96.2%	82.8%	63.0%
13. REACTOR AVAILABILITY FACTOR.....	96.2%	82.8%	63.0%
14. UNIT SERVICE FACTOR.....	94.6%	81.1%	61.0%
15. UNIT AVAILABILITY FACTOR.....	94.6%	81.1%	61.0%
16. UNIT CAPACITY FACTOR (Using MDC).....	92.8%	79.2%	57.6%
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	92.8%	79.2%	57.6%
18. UNIT FORCED OUTAGE PATE.....	5.4%	2.1%	27.7%
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: N/A			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE Sep. 7, 1995  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1252
2	1249
3	1249
4	1251
5	1245
6	1246
7	1250
8	1246
9	1242
10	1250
11	1254
12	1246
13	1250
14	1250
15	1255
16	1245

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1250
18	1246
19	1245
20	1246
21	1245
22	1242
23	1244
24	1246
25	1246
26	1246
27	1245
28	1245
29	566
30	0
31	475

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep 7, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH AUGUST

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
95-08	950829	F	39.9	G	3	1-95-009	AB	RLY	<p>The unit experienced an automatic trip on Loss of Flow due to a loss power to Reactor Coolant Pump 1C. At the time of the occurrence, preventive maintenance of a ground relay in the 13.8KV switchgear was being conducted. During the maintenance activity, a lockout relay was inadvertently actuated causing the feeder breaker to an auxiliary bus to open and loss of power to Reactor Coolant Pump 1C.</p> <p>The corrective actions to prevent recurrence will be discussed in the LER.</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)  
 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-HI-AE-5178  
 PAGE 5 OF 6

PORVs and Safety Valves Summary

ATTACHMENT 1  
ST-HL-AE-5178  
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  
AUGUST 1995  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

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

9/11/95  
Date

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

9/11/95  
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 Sep. 7, 1995  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

**OPERATING STATUS**

1. REPORTING PERIOD: 08/01/95-08/31/95 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.....                                    | <u>744.0</u>   | <u>5773.3</u>   | <u>35810.1</u>   |
| 6. REACTOR RESERVE SHUTDOWN HOURS.....  | <u>0</u>       | <u>0</u>        | <u>0</u>         |
| 7. HOURS GENERATOR ON LINE.....   | <u>744.0</u>   | <u>5760.6</u>   | <u>34593.3</u>   |
| 8. UNIT RESERVE SHUTDOWN HOURS.....   | <u>0</u>       | <u>0</u>        | <u>0</u>         |
| 9. GROSS THERMAL ENERGY GENERATED (Mwt).....                                    | <u>2839848</u> | <u>21917855</u> | <u>126698352</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..                                   | <u>969500</u>  | <u>7538111</u>  | <u>42995981</u>  |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)....                                   | <u>925360</u>  | <u>7216651</u>  | <u>40942906</u>  |
| 12. REACTOR SERVICE FACTOR.....   | <u>100.0%</u>  | <u>99.0%</u>    | <u>65.9%</u>     |
| 13. REACTOR AVAILABILITY FACTOR.....  | <u>100.0%</u>  | <u>99.0%</u>    | <u>65.9%</u>     |
| 14. UNIT SERVICE FACTOR.....  | <u>100.0%</u>  | <u>98.8%</u>    | <u>63.6%</u>     |
| 15. UNIT AVAILABILITY FACTOR.....   | <u>100.0%</u>  | <u>98.8%</u>    | <u>63.6%</u>     |
| 16. UNIT CAPACITY FACTOR (Using MDC).....                                       | <u>99.5%</u>   | <u>99.0%</u>    | <u>60.2%</u>     |
| 17. UNIT CAPACITY FACTOR (Using Design MWe)..                                   | <u>99.5%</u>   | <u>99.0%</u>    | <u>60.2%</u>     |
| 18. UNIT FORCED OUTAGE RATE.....  | <u>0.0%</u>    | <u>1.2%</u>     | <u>27.0%</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: <u>N/A</u> |                |                 |                  |

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1253
2	1256
3	1246
4	1244
5	1245
6	1245
7	1245
8	1245
9	1245
10	1249
11	1244
12	1242
13	1250
14	1249
15	1245
16	1245

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1245
18	1241
19	1240
20	1245
21	1241
22	1240
23	1240
24	1245
25	1240
26	1240
27	1240
28	1237
29	1240
30	1236
31	1241

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH AUGUST

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-5178  
 PAGE 5 OF 6

PORVs and Safety Valves Summary

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