

# The Light company

Houston Lighting & Power

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

August 11, 1992

ST-HL-AE-4170  
File No.: G02  
10CFR50.71

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

South Texas Project  
Units 1 & 2  
Docket Nos. STN 50-498 & 50-499  
Monthly Operating Reports for July, 1992

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 July, 1992.

If you should have any questions on this matter, please  
contact Mr. C. A. Ayala at (512) 972-8628.

*William J. Jump*  
William J. Jump  
General Manager  
Nuclear Licensing

MKJ/ag

Attachments: 1) STPEGS Unit 1 Monthly Operating Report -  
July, 1992  
2) STPEGS Unit 2 Monthly Operating Report -  
July, 1992

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A Subsidiary of Houston Industries Incorporated

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Houston Lighting & Power Company  
South Texas Project Electric Generating Station

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Revised 10/11/91

L4/NRC/

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
JULY 1992  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By: Q. P. 9L2  
Supervisor

8/4/92  
Date

Reviewed By: D. C. Legon  
Plant Engineering Manager

8-5-92  
Date

Approved By: Al Parley  
Plant Manager

8/5/92  
Date

Monthly Summary

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

# OPERATING DATA REPORT

ATTACHMENT 1  
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DOCKET NO. 50-498  
UNIT 1  
DATE Aug 4, 1992  
TELEPHONE 512/972-7786

## OPERATING STATUS

1. REPORTING PERIOD: 07/01-07/31 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>4856.0</u>	<u>24886.9</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>4839.5</u>	<u>24051.7</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>2817038</u>	<u>18315737</u>	<u>88470059</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>952010</u>	<u>6228150</u>	<u>29936150</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>908209</u>	<u>5960547</u>	<u>28288916</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>95.0%</u>	<u>72.2%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>95.0%</u>	<u>72.2%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>94.7%</u>	<u>69.7%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>94.7%</u>	<u>69.7%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>97.6%</u>	<u>93.3%</u>	<u>65.6%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>97.6%</u>	<u>93.3%</u>	<u>65.6%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>1.7%</u>	<u>12.0%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
Scheduled 62 day refueling outage to begin September 19, 1992.			
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 Aug 4, 1992  
COMPLETED BY A. P. Kent  
TELEPHONE 512/972-7786

MONTH JULY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1230
2	1230
3	1230
4	1230
5	1230
6	1232
7	1233
8	1197
9	1174
10	1174
11	1172
12	1200
13	1230
14	1228
15	1228
16	1230

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1227
18	1224
19	1227
20	1226
21	1231
22	1231
23	1229
24	1225
25	1225
26	1224
27	1224
28	1223
29	1226
30	1227
31	1227

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498

UNIT

DATE AUG 4, 1992COMPLETED BY A. P. Kert

TELEPHONE 512/972-7786

REPORT MONTH JULY

1  
F: Forced  
S: Scheduled

Reason:  
A-Equipment  
B-Maintenance  
C-Refueling  
D-Regulation  
E-Operational  
F-Administrative  
G-Operational

Reason:

A-Equipment Failure (Explain)

B-Maintenance or Test

C-Refueling

D-Regulatory Restriction

E-Operator Training & License Exam

F-Administrative

C-Operational Error (Explain)

3 Method:  
1-Manual  
2-Manual  
3-Autom  
4-Cont.  
Outage  
5-Reduc  
9-Other

IEEE 803A-1983



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  
JULY 1992  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By:	<u>W. P. Hall</u>	<u>8/4/92</u>
	Supervisor	Date
Reviewed By:	<u>D. C. Logan</u>	<u>8-5-92</u>
	Plant Engineering Manager	Date
Approved By:	<u>Sh. Parley</u>	<u>8/1/92</u>
	Plant Manager	Date

Monthly Summary

ATTACHMENT 2  
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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 Aug 4, 1992  
COMPLETED BY A. P. Kent  
TELEPHONE 512/972-7786

OPERATING STATUS

1. REPORTING PERIOD: 07/01-07/31 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	4962.6	20385.2
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	744.0	4925.3	19407.5
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2830229	18143789	70537060
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	958600	6162050	23829410
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	917735	5898533	22602536
12. REACTOR SERVICE FACTOR.....	100.0%	97.1%	74.6%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	97.1%	74.6%
14. UNIT SERVICE FACTOR.....	100.0%	96.4%	71.0%
15. UNIT AVAILABILITY FACTOR.....	100.0%	96.4%	71.0%
16. UNIT CAPACITY FACTOR (Using MDC).....	98.6%	92.3%	66.1%
17. UNIT CAPACITY FACTOR (Using Design MWe).....	98.6%	92.3%	66.1%
18. UNIT FORCED OUTAGE RATE.....	0.0%	3.6%	13.5%
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

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DOCKET NO. 50-499  
UNIT 2  
DATE Aug 4, 1992  
COMPLETED BY A.F. Kent  
TELEPHONE 512/972-7786

MONTH JULY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1238
2	1239
3	1239
4	1240
5	1239
6	1239
7	1235
8	1236
9	1205
10	1138
11	1237
12	1238
13	1238
14	1237
15	1238
16	1239

LAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1239
18	1239
19	1240
20	1242
21	1242
22	1239
23	1238
24	1236
25	1237
26	1234
27	1235
28	1237
29	1234
30	1237
31	1237

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Aug 4, 1992  
 COMPLETED BY A. P. Kent  
 TELEPHONE 512/972-7786

REPORT MONTH JULY

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

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PORVs and Safety Valves Summary

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