

# The Light company

Houston Lighting & Power

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

September 9, 1992

ST-HL-AE-4206

File No.: G02

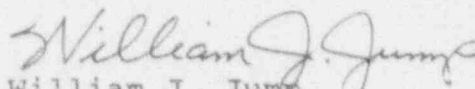
10CFR50.71

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 August, 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 August, 1992.

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

  
William J. Jump  
General Manager  
Nuclear Licensing

MKJ/ag

- Attachments: 1) STPEGS Unit 1 Monthly Operating Report -  
August, 1992  
2) STPEGS Unit 2 Monthly Operating Report -  
August, 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  
AUGUST 1992  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By:	<u><i>W. P. Kent</i></u>	<u>9-2-92</u>
	Supervisor	Date
Reviewed By:	<u><i>D. C. Legan</i></u>	<u>9-2-92</u>
	Plant Engineering Manager	Date
Approved By:	<u><i>Al Parkay</i></u>	<u>9/2/92</u>
	Plant Manager	Date

Monthly Summary

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

On 8/13/92 at 0810 the unit began a scheduled reactor power coastdown due to fuel burnup. This process entails a power reduction rate of slightly less than 1% per day with approximately a 13% power reduction by the end of the month.

The unit concluded the reporting period operating at 87% reactor power.

OPERATING DATA REPORT

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep 2, 1992  
 TELEPHONE 512/972-7786

OPERATING STATUS

1. REPORTING PERIOD: 08/01 08/31 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>5600.0</u>	<u>25630.9</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>5583.5</u>	<u>24795.7</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>2728178</u>	<u>21043915</u>	<u>91198236</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>921860</u>	<u>7150010</u>	<u>30858010</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>877834</u>	<u>6838381</u>	<u>29166750</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>95.6%</u>	<u>72.7%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>95.6%</u>	<u>72.7%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>95.4%</u>	<u>70.4%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>95.4%</u>	<u>70.4%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>94.3%</u>	<u>93.4%</u>	<u>66.2%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>94.3%</u>	<u>93.4%</u>	<u>66.2%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>1.5%</u>	<u>11.7%</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:	N/A		

AVERAGE DAILY UNIT POWER LEVEL

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DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep 2, 1992  
 COMPLETED BY A. P. Kent  
 TELEPHONE 512/972-7786

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1226</u>	17	<u>1200</u>
2	<u>1226</u>	18	<u>1187</u>
3	<u>1227</u>	19	<u>1181</u>
4	<u>1226</u>	20	<u>1167</u>
5	<u>1215</u>	21	<u>1165</u>
6	<u>1212</u>	22	<u>1162</u>
7	<u>1225</u>	23	<u>1150</u>
8	<u>1225</u>	24	<u>1147</u>
9	<u>1223</u>	25	<u>1134</u>
10	<u>1223</u>	26	<u>1112</u>
11	<u>1225</u>	27	<u>1106</u>
12	<u>1225</u>	28	<u>1100</u>
13	<u>1220</u>	29	<u>1094</u>
14	<u>1216</u>	30	<u>1083</u>
15	<u>1205</u>	31	<u>1071</u>
16	<u>1201</u>		



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Sep 2, 1994  
 COMPLETED BY A.P. Kent  
 TELEPHONE 512/972-7786

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
92-03	920813	S	0.0	H	5	N/A	N/A	N/A	The unit began a scheduled reactor power coastdown due to fuel burnup.

<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 800-1983

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

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 ST-H/AE-4246  
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PORVs and Safety Valves Summary

ATTACHMENT 1  
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There were no PORV or Safety Valves challenged during the reporting period.



SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 2  
MONTHLY OPERATING REPORT  
AUGUST 1992  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NPF-80

Reviewed By:	<u><i>C. P. 9LG</i></u>	<u>9-2-92</u>
	Supervisor	Date
Reviewed By:	<u><i>D. G. Logan</i></u>	<u>9-2-92</u>
	Plant Engineering Manager	Date
Approved By:	<u><i>A. L. Parley</i></u>	<u>9/2/92</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 Sep 2, 1992  
 COMPLETED BY A.P. Kent  
 TELEPHONE 512/972-7786

OPERATING STATUS

1. REPORTING PERIOD: 08/01-08/31 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>5706.6</u>	<u>21129.2</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>5669.3</u>	<u>20151.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>2828031</u>	<u>20971819</u>	<u>73365090</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>959290</u>	<u>7121340</u>	<u>24788700</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>918709</u>	<u>6617242</u>	<u>23521245</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>97.5%</u>	<u>75.2%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>97.5%</u>	<u>75.2%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>96.8%</u>	<u>71.8%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>96.8%</u>	<u>71.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>98.7%</u>	<u>93.1%</u>	<u>67.0%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>98.7%</u>	<u>93.1%</u>	<u>67.0%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>3.2%</u>	<u>13.1%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):	Scheduled 62 day refueling outage to begin February 27, 1993.		
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>N/A</u>			

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1238
2	1236
3	1237
4	1236
5	1234
6	1235
7	1235
8	1236
9	1236
10	1235
11	1234
12	1235
13	1236
14	1237
15	1235
16	1093

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1239
18	1244
19	1244
20	1245
21	1245
22	1246
23	1242
24	1244
25	1244
26	1243
27	1237
28	1244
29	1245
30	1245
31	1245

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

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-4206  
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PORVs and Safety Valves Summary

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