

The Light company

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

September 11, 1997
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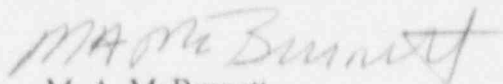
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Monthly Operating Reports for August 1997

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 1997.

If you should have any questions on this matter, please contact T. E. Underwood at (512) 972-7108.

Sincerely,


M. A. McBurnett
Manager, Nuclear Licensing

RLH/sl

- Attachments: 1) STPEGS Unit 1 Monthly Operating Report - August 1997
2) STPEGS Unit 2 Monthly Operating Report - August 1997

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Houston Lighting & Power Company
South Texas Project Electric Generating Station

ST-HL-AE-5549
File No.: G02
Page 2

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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington D.C. 20555-0001

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1

MONTHLY OPERATING REPORT

AUGUST 1997

HOUSTON LIGHTING AND POWER CO.

NRC DOCKET NO. 50-498

LICENSE NO. NPF-76

Reviewed By:

TE Underwood

T.E. UNDERWOOD

9/8/97

Date

Approved By:

G.L. Parkey

G.L. PARKEY

9/9/97

Date

MONTHLY SUMMARY

South Texas Project Unit 1 operated during the reporting period with no unit shutdowns or significant power reductions.

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Sept. 8, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512-972-7667

OPERATING STATUS

1. REPORTING PERIOD: 8/1/97-8/31/97 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800
 MAXIMUM DEPENDABLE 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 CRITICAL	<u>744.0</u>	<u>5,758.2</u>	<u>55,637.7</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>5,732.4</u>	<u>54,285.7</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,390</u>	<u>21,641,657</u>	<u>200,876,922</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>965,300</u>	<u>7,410,760</u>	<u>68,472,470</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>924,440</u>	<u>7,109,494</u>	<u>65,149,014</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>98.8%</u>	<u>70.4%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>98.8%</u>	<u>70.4%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>98.3%</u>	<u>68.7%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>98.3%</u>	<u>68.7%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>99.4%</u>	<u>97.5%</u>	<u>65.9%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>99.4%</u>	<u>97.5%</u>	<u>65.9%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>21.0%</u>

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

Scheduled 23 day refueling outage to begin on September 13, 1997.

20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498
 UNIT 1
 DATE Sept. 8, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

MONTH AUGUST

DAY AVERAGE DAILY POWER
 LEVEL
 (MWe-Net)

1	<u>1239</u>
2	<u>1243</u>
3	<u>1238</u>
4	<u>1243</u>
5	<u>1238</u>
6	<u>1239</u>
7	<u>1243</u>
8	<u>1239</u>
9	<u>1243</u>
10	<u>1243</u>
11	<u>1243</u>
12	<u>1243</u>
13	<u>1238</u>
14	<u>1242</u>
15	<u>1242</u>
16	<u>1242</u>

DAY AVERAGE DAILY POWER
 LEVEL
 (MWe-Net)

17	<u>1242</u>
18	<u>1241</u>
19	<u>1242</u>
20	<u>1241</u>
21	<u>1243</u>
22	<u>1244</u>
23	<u>1243</u>
24	<u>1247</u>
25	<u>1245</u>
26	<u>1246</u>
27	<u>1246</u>
28	<u>1246</u>
29	<u>1242</u>
30	<u>1248</u>
31	<u>1247</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Sept. 8, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512.972-7667

REPORT MONTH AUGUST

No.	Date	Type	Duration (Hours)	Reason	Method of Shutting Down Reactor	Licensee Event Report #	System Code	Component Code	Cause & Corrective Action to Prevent Recurrence
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

1
 F: Forced
 S: Scheduled

2
 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)

3
 Method:
 1-Manual
 2-Manual Scram
 3-Automatic Scram
 4-Cont. of Existing
 Outage
 5-Reduction
 9-Other

4
 IEEE 805-1983

5
 IEEE 803-1983

PORVS AND SAFETY VALVE SUMMARY

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

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 2
MONTHLY OPERATING REPORT
AUGUST 1997
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Reviewed By:

TE Underwood

T.E. UNDERWOOD

9/8/97

Date

Approved By:

W. Masse

R.E. MASSE

9/9/97

Date

for

MONTHLY SUMMARY

South Texas Project Unit 2 operated during the reporting period at full power with no unit shutdowns or significant power reductions.

OPERATING DATA REPORT

DOCENT. 50-499
UNIT 2
DATE Sept. 8, 1997
COMPLETED BY R.L. Hill
TELEPHONE 512 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 8/1/97-8/31/97 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800
MAXIMUM DEPENDABLE 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 CRITICAL	<u>744.0</u>	<u>5,333.1</u>	<u>51,887.5</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>5,256.9</u>	<u>50,449.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,665</u>	<u>19,713,950</u>	<u>186,530,560</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>965,873</u>	<u>6,721,884</u>	<u>63,471,165</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>924,262</u>	<u>6,433,416</u>	<u>60,540,692</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>91.5%</u>	<u>72.2%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>91.5%</u>	<u>72.2%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>90.2%</u>	<u>70.2%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>90.2%</u>	<u>70.2%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>99.3%</u>	<u>88.2%</u>	<u>67.3%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>99.3%</u>	<u>88.2%</u>	<u>67.3%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>2.8%</u>	<u>20.6%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<u>N/A</u>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	<u>N/A</u>		

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499
 UNIT 2
 DATE Sept. 8, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

MONTH AUGUST

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1241</u>	17	<u>1245</u>
2	<u>1244</u>	18	<u>1244</u>
3	<u>1242</u>	19	<u>1244</u>
4	<u>1244</u>	20	<u>1242</u>
5	<u>1242</u>	21	<u>1241</u>
6	<u>1241</u>	22	<u>1242</u>
7	<u>1242</u>	23	<u>1243</u>
8	<u>1243</u>	24	<u>1245</u>
9	<u>1244</u>	25	<u>1242</u>
10	<u>1244</u>	26	<u>1246</u>
11	<u>1244</u>	27	<u>1246</u>
12	<u>1243</u>	28	<u>1239</u>
13	<u>1241</u>	29	<u>1236</u>
14	<u>1243</u>	30	<u>1235</u>
15	<u>1243</u>	31	<u>1236</u>
16	<u>1245</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT 2
 DATE Sept. 8, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

REPORT MONTH AUGUST

No.	Date	1 Type	Duration (Hours)	2 Reason	3 Method of Shutting Down Reactor	Licensee Event Report #	4 System Code	5 Component Code	Cause & Corrective Action to Prevent Recurrence
THERE WERE NO UNIT SHUTDOWNS OR SIGNIFICANT POWER REDUCTIONS DURING THE REPORTING PERIOD									

1
 F: Forced
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 Reason:
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4
 IEEE 805-1983

5
 IEEE 803-1983

PORVS AND SAFETY VALVE SUMMARY

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