

The Light company

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

June 10, 1997
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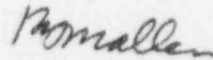
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

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

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

Sincerely,



F. H. Mallen
Manager, Planning & Controls

RLH/sl

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

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Houston Lighting & Power Company
South Texas Project Electric Generating Station

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Page 2

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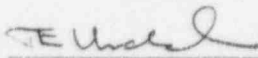
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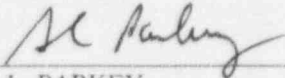
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U. S. Nuclear Regulatory Commission
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SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
MAY 1997
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Reviewed By:  6/10/97
T.E. UNDERWOOD Date

Approved By:  6/10/97
G.L. PARKEY Date

MONTHLY SUMMARY

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

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Jun. 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 5/1/97-5/31/97 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>3,567.8</u>	<u>53,447.2</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>3,549.8</u>	<u>52,103.2</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,839,756</u>	<u>13,446,497</u>	<u>192,681,762</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>976,700</u>	<u>4,622,600</u>	<u>65,684,310</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>936,030</u>	<u>4,442,009</u>	<u>62,481,529</u>
12. REACTOR SERVICE FACTOR	<u>100.0%</u>	<u>98.5%</u>	<u>69.5%</u>
13. REACTOR AVAILABILITY FACTOR	<u>100.0%</u>	<u>98.5%</u>	<u>69.5%</u>
14. UNIT SERVICE FACTOR	<u>100.0%</u>	<u>98.0%</u>	<u>67.8%</u>
15. UNIT AVAILABILITY FACTOR	<u>100.0%</u>	<u>98.0%</u>	<u>67.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>100.6%</u>	<u>98.0%</u>	<u>65.0%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>100.6%</u>	<u>98.0%</u>	<u>65.0%</u>
18. UNIT FORCED OUTAGE RATE	<u>0.0%</u>	<u>0.0%</u>	<u>21.7%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	<p>Scheduled 24-hour outage on June 28, 1997 to allow control rod drop testing and a scheduled 35 day refueling outage to begin on September 13, 1997.</p>		
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>N/A</u>			

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-498
 UNIT 1
 DATE Jun. 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

MONTH MAY

DAY AVERAGE DAILY POWER
 LEVEL
 (MWe-Net)

1 1259
 2 1259
 3 1259
 4 1259
 5 1263
 6 1254
 7 1263
 8 1259
 9 1258
 10 1260
 11 1256
 12 1260
 13 1276
 14 1259
 15 1259
 16 1256

DAY AVERAGE DAILY POWER
 LEVEL
 (MWe-Net)

17 1257
 18 1256
 19 1255
 20 1258
 21 1256
 22 1256
 23 1256
 24 1255
 25 1255
 26 1253
 27 1257
 28 1254
 29 1262
 30 1259
 31 1253

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Jun. 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

REPORT MONTH MAY

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
 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

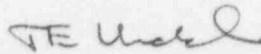
MAY 97

HOUSTON LIGHTING AND POWER CO.

NRC DOCKET NO. 50-499

LICENSE NO. NPF-80

Reviewed By:

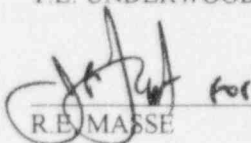


T.E. UNDERWOOD

6/14/97

Date

Approved By:


R.E. MASSE

6/10/97

Date

MONTHLY SUMMARY

STPEGS Unit 2 began the reporting period shutdown due to a manual trip initiated on April 30 at 2158. The unit was returned to service on May 2, at 1736 and achieved full power on May 4, at 0342.

On May 18, at 0032 the unit was removed from service to allow replacement of the protective cover on the B phase isophase bus duct to the 2B Main Transformer. The unit was returned to service at 1400 and achieved full power on May 19, at 0528.

The unit operated for the remainder of the reporting period at full power with no unit shutdowns or significant power reductions.

OPERATING DATA REPORT

DOCENT 50-499
 UNIT 2
 DATE Jun. 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

OPERATING STATUS

1. REPORTING PERIOD: 5/1/97-5/31/97 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>708.6</u>	<u>3,125.1</u>	<u>49,679.5</u>
6. REACTOR RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE	<u>688.9</u>	<u>3,048.9</u>	<u>48,241.4</u>
8. UNIT RESERVE SHUTDOWN HOURS	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWH)	<u>2,532,961</u>	<u>11,286,930</u>	<u>178,103,540</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	<u>862,685</u>	<u>3,861,266</u>	<u>60,610,547</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)	<u>823,311</u>	<u>3,692,979</u>	<u>57,800,255</u>
12. REACTOR SERVICE FACTOR	<u>95.2%</u>	<u>86.3%</u>	<u>71.3%</u>
13. REACTOR AVAILABILITY FACTOR	<u>95.2%</u>	<u>86.3%</u>	<u>71.3%</u>
14. UNIT SERVICE FACTOR	<u>92.6%</u>	<u>84.2%</u>	<u>69.2%</u>
15. UNIT AVAILABILITY FACTOR	<u>92.6%</u>	<u>84.2%</u>	<u>69.2%</u>
16. UNIT CAPACITY FACTOR (Using MDC)	<u>88.5%</u>	<u>81.5%</u>	<u>66.3%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)	<u>88.5%</u>	<u>81.5%</u>	<u>66.3%</u>
18. UNIT FORCED OUTAGE RATE	<u>7.4%</u>	<u>4.7%</u>	<u>21.3%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
N/A			
20. IF SHUTDOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: N/A			

AVERAGE DAILY UNIT POWER LEVEL

DOCKETNO. 50-499
 UNIT 2
 DATE Jun. 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

MONTH MAY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>0</u>	17	<u>1104</u>
2	<u>46</u>	18	<u>185</u>
3	<u>417</u>	19	<u>1214</u>
4	<u>1244</u>	20	<u>1252</u>
5	<u>1255</u>	21	<u>1252</u>
6	<u>1257</u>	22	<u>1252</u>
7	<u>1256</u>	23	<u>1253</u>
8	<u>1256</u>	24	<u>1253</u>
9	<u>1256</u>	25	<u>1252</u>
10	<u>1257</u>	26	<u>1251</u>
11	<u>1259</u>	27	<u>1249</u>
12	<u>1258</u>	28	<u>1248</u>
13	<u>1258</u>	29	<u>1254</u>
14	<u>1253</u>	30	<u>1254</u>
15	<u>1254</u>	31	<u>1248</u>
16	<u>1257</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKETNO. 50-499
 UNIT 2
 DATE Jun 9, 1997
 COMPLETED BY R.L. Hill
 TELEPHONE 512 972-7667

REPORT MONTH MAY

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
97-05	970430	F	41.6	A	4	2-97-006	SJ	ECBD	A manual trip was initiated due to low water level on D steam generator. A failed driver controller card resulted in loss of control to the main feedwater regulating valve. The driver controller card was replaced.
97-06	970518	F	13.5	A	1	N/A	EA	BU	The unit was removed from service to allow replacement of the protective cover on the B phase isophase bus duct to the 2B Main Transformer.

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.