

The Light company

Houston Lighting & Power

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

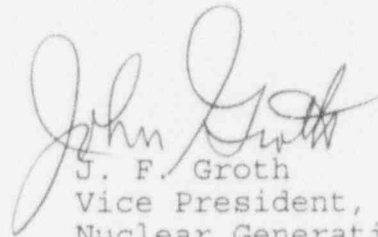
June 15, 1994
ST-HL-AE-4816
File No.: G02
10CFR50.71

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 May 1994

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 1994.

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


J. F. Groth
Vice President,
Nuclear Generation

MKJ/esh

Attachments: 1) STPEGS Unit 1 Monthly Operating Report - May
1994
2) STPEGS Unit 2 Monthly Operating Report - May
1994

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A Subsidiary of Houston Industries Incorporated

MISC-94\94-164.001

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Operations - Records Center
700 Galleria Parkway
Atlanta, GA 30339-5957

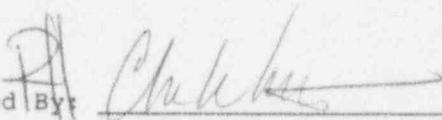
Dr. Joseph M. Hendrie
50 Bellport Lane
Bellport, NY 11713

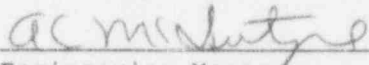
D. K. Lacker
Bureau of Radiation Control
Texas Department of Health
1100 West 49th Street
Austin, TX 78756-3189

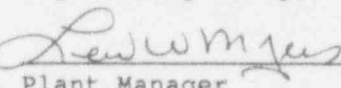
U. S. Nuclear Regulatory Comm.
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SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
MAY 1994
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Reviewed By:  6/6/94
Supervisor Date

Reviewed By:  6/6/94
Engineering Manager Date

Approved By:  6/10/94
Plant Manager Date

Monthly Summary

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STPEGS Unit 1 began the reporting period operating at 48% reactor power with scheduled maintenance in progress. Maintenance was completed and the unit was returned to full power operation on 5/3/94.

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

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 05/01/94-05/31/94 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>1988.7</u>	<u>28861.3</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>1772.5</u>	<u>27696.3</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	<u>2735140</u>	<u>5895982</u>	<u>100561490</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>941300</u>	<u>2006670</u>	<u>34021330</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>893962</u>	<u>1903985</u>	<u>32163529</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>54.9%</u>	<u>57.1%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>54.9%</u>	<u>57.1%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>48.9%</u>	<u>54.8%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>48.9%</u>	<u>54.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>96.1%</u>	<u>42.0%</u>	<u>50.9%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>96.1%</u>	<u>42.0%</u>	<u>50.9%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>51.1%</u>	<u>33.9%</u>
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. 50-498
 UNIT 1
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

MONTH MAY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	539
2	543
3	1142
4	1254
5	1261
6	1260
7	1260
8	1258
9	1256
10	1257
11	1258
12	1259
13	1235
14	1232
15	1233
16	1235

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1232
18	1232
19	1232
20	1252
21	1256
22	1256
23	1255
24	1260
25	1263
26	1261
27	1259
28	1259
29	1238
30	1255
31	1259

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

REPORT MONTH MAY

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
94-03	940429	S	0.0	B	5	N/A	SL	P	<p>Reactor power was reduced to just below 50% to allow for the inspection and cleaning of steam generator feedwater pump turbine 11 and 12 lubricating oil coolers, corrective maintenance on the feedwater booster pumps, and weld repair on a condensate system header drain line.</p> <p>Additional repairs were performed on various other steam leaks.</p>

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)

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 803A-1983


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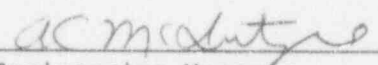
PORVs and Safety Valves Summary

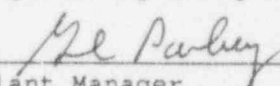
ATTACHMENT 1
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There were no PORV or Safety Valves challenged during the reporting period.

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 2
MONTHLY OPERATING REPORT
MAY 1994
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Reviewed By:  6/6/94
Supervisor Date

Reviewed By:  6/6/94
Engineering Manager Date

Approved By:  6/8/94
Plant Manager Date

Monthly Summary

ATTACHMENT 2
ST-HL-AE-4816
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STPEGS Unit 2 experienced an automatic reactor scram during February 1993 and subsequently remained shutdown due to auxiliary feedwater system component failures. While the unit was shutdown, corrective maintenance was performed and organizational and work process changes were implemented.

Upon the resolution of the auxiliary feedwater system component failures and the additional issues, efforts were resumed on the refueling and scheduled maintenance outage.

On 5/17/94 the Nuclear Regulatory Commission acknowledged completion of the Confirmatory Action Letter issues associated with Unit 2 and authorized the restart of the unit in accordance with the startup and power ascension plan.

The unit was returned to service on 5/30/94 at 0202 and concluded the reporting period operating at 40% reactor power with the power ascension testing program in progress.

OPERATING DATA REPORT

DOCKET NO. 50-499
 UNIT 2
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 05/01/94-05/31/94 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>223.1</u>	<u>223.1</u>	<u>24979.3</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>57.6</u>	<u>57.6</u>	<u>23791.3</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	<u>89867</u>	<u>89867</u>	<u>86523389</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>11300</u>	<u>11300</u>	<u>29215890</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>9048</u>	<u>9048</u>	<u>27744327</u>
12. REACTOR SERVICE FACTOR.....	<u>30.0%</u>	<u>6.2%</u>	<u>57.6%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>30.0%</u>	<u>6.2%</u>	<u>57.6%</u>
14. UNIT SERVICE FACTOR.....	<u>7.7%</u>	<u>1.6%</u>	<u>54.8%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>7.7%</u>	<u>1.6%</u>	<u>54.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>1.0%</u>	<u>0.2%</u>	<u>51.1%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>1.0%</u>	<u>0.2%</u>	<u>51.1%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>92.2%</u>	<u>98.4%</u>	<u>34.7%</u>
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

ATTACHMENT 2
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DOCKET NO. 50-499
 UNIT 2
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

MONTH MAY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	0
16	0

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	0
18	0
19	0
20	0
21	0
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	23
30	81
31	273

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT 2
 DATE Jun. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

REPORT MONTH MAY

No.	Date	Type ¹	Duration (Hours)	Reason ²	Method of Shutting Down Reactor ³	Licensee Event Report #	System Code ⁴	Component Code ⁵	Cause & Corrective Action to Prevent Recurrence
93-07	930524	F	677.7	F	4	N/A	N/A	N/A	Upon the resolution of the auxiliary feedwater system corrective actions and additional issues, the refueling and scheduled maintenance outage was resumed.
94-01	940529	S	8.7	B	9	N/A	TA	TRB	Main turbine overspeed trip test.

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 803A-1983

ATTACHMENT 2
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PORVs and Safety Valves Summary

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