

The Light company

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

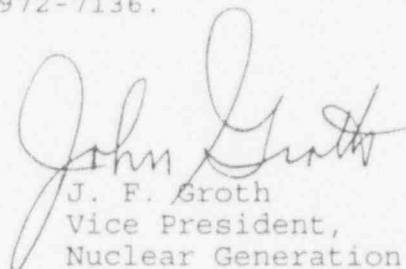
October 17, 1994
ST-HL-AE-4909
File No.: G02
10CFR50.71

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 September 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 September 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/pas

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

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Project Manager on Behalf of the Participants in the South Texas Project

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Houston Lighting & Power Company
South Texas Project Electric Generating Station

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C:

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SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
SEPTEMBER 1994
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Reviewed By:	<u>D. M. Bergendahl</u>	<u>10/10/94</u>
	D. M. BERGENDAHL	Date
Reviewed By:	<u>F. H. Mallen</u>	<u>10/11/94</u>
	F. H. MALLEN	Date
Approved By:	<u>L. W. Myers</u>	<u>10/12/94</u>
	L. W. MYERS	Date

Monthly Summary

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

On 9/20/94 at 0105 the unit experienced a reactor trip on low-low steam generator level due to a main feedwater pump trip and a start-up feedwater pump recirculation valve not closing.

Corrective maintenance was performed and the unit was returned to service on 9/22/94 at 1916 and achieved 100% reactor power on 9/25/94 at 1810.

The unit concluded the reporting period operating at full power.

OPERATING DATA REPORT

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

OPERATING STATUS

1. REPORTING PERIOD: 09/01/94-09/30/94 GROSS HOURS IN REPORTING PERIOD: 720
 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>674.6</u> | <u>4871.3</u> | <u>31743.9</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS..... | <u>0</u> | <u>0</u> | <u>0</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>653.8</u> | <u>4634.3</u> | <u>30558.1</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS..... | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL ENERGY GENERATED (MWt)..... | <u>2410390</u> | <u>16731285</u> | <u>111396793</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) .. | <u>825480</u> | <u>5728910</u> | <u>37743570</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH).... | <u>787299</u> | <u>5460689</u> | <u>35720233</u> |
| 12. REACTOR SERVICE FACTOR..... | <u>93.7%</u> | <u>74.4%</u> | <u>59.4%</u> |
| 13. REACTOR AVAILABILITY FACTOR..... | <u>93.7%</u> | <u>74.4%</u> | <u>59.4%</u> |
| 14. UNIT SERVICE FACTOR..... | <u>90.8%</u> | <u>70.7%</u> | <u>57.1%</u> |
| 15. UNIT AVAILABILITY FACTOR..... | <u>90.8%</u> | <u>70.7%</u> | <u>57.1%</u> |
| 16. UNIT CAPACITY FACTOR (Using MDC)..... | <u>87.4%</u> | <u>66.7%</u> | <u>53.4%</u> |
| 17. UNIT CAPACITY FACTOR (Using Design MWe) .. | <u>87.4%</u> | <u>66.7%</u> | <u>53.4%</u> |
| 18. UNIT FORCED OUTAGE RATE..... | <u>9.2%</u> | <u>29.3%</u> | <u>31.8%</u> |
| 19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): | Scheduled 45 day refueling outage to begin on March 4, 1995. | | |
| 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 Oct. 6, 1994
COMPLETED BY R.L. Hill
TELEPHONE 512/972-7667

MONTH SEPTEMBERDAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	1253
2	1257
3	1255
4	1255
5	1248
6	1250
7	1253
8	1254
9	1256
10	1254
11	1255
12	1255
13	1256
14	1254
15	1258
16	1259

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	1260
18	1260
19	1258
20	5
21	0
22	0
23	472
24	994
25	1181
26	1261
27	1261
28	1260
29	1258
30	1261
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH SEPTEMBER

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
94-04	940920	F	66.2	A	3	1-94-015	JB	FCV	<p>The unit experienced a reactor trip due to low-low level in Steam Generator 1C. The event was initiated by the failure of an electronic control module on Steam Generator Feedwater Pump 13. This module varies or maintains feedwater flow based on indicated pump speed, feedwater and steam flow requirements. When the steam generator feedwater pump tripped, the start-up feedwater pump initiated as designed to maintain the steam generator water level. Due to an improperly adjusted controller on the start-up feedwater pump recirculation valve, water level was not maintained causing low water level in the steam generator and the subsequent reactor trip.</p> <p>Corrective actions to prevent recurrence will be addressed in the LER.</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)
 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

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PORVs and Safety Valves Summary

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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
SEPTEMBER 1994
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Reviewed By: D. M. Bergendahl 10/10/94
D. M. BERGENDAH
Date
Reviewed By: F. H. Mallen 10/11/94
F. H. MALLEN
Date
Approved By: R. E. Masse 10/13/94
R. E. MASSE
Date

ATTACHMENT 2
STHRAE-4909
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Monthly Summary

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 Oct. 6, 1994
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 09/01/94-09/30/94 GROSS HOURS IN REPORTING PERIOD: 720
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.....	720.0	3071.6	27827.7
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	720.0	2890.0	26623.7
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2746957	10036114	96469636
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	942330	3385870	32590460
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	902751	3238361	30973640
12. REACTOR SERVICE FACTOR.....	100.0%	46.9%	60.1%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	46.9%	60.1%
14. UNIT SERVICE FACTOR.....	100.0%	44.1%	57.5%
15. UNIT AVAILABILITY FACTOR.....	100.0%	44.1%	57.5%
16. UNIT CAPACITY FACTOR (Using MDC).....	100.3%	39.5%	53.5%
17. UNIT CAPACITY FACTOR (Using Design MWe)..	100.3%	39.5%	53.5%
18. UNIT FORCED OUTAGE RATE.....	0.0%	55.8%	32.3%
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

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

MONTH SEPTEMBER

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

1	1253
2	1251
3	1251
4	1251
5	1250
6	1249
7	1249
8	1249
9	1246
10	1243
11	1254
12	1253
13	1254
14	1255
15	1254
16	1255

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

17	1256
18	1255
19	1256
20	1256
21	1256
22	1251
23	1257
24	1258
25	1260
26	1258
27	1256
28	1258
29	1259
30	1264
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH SEPTEMBER

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
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 805-1993

⁵
 IEEE 803A-1983

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PORVs and Safety Valves Summary

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