

# The Light company

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

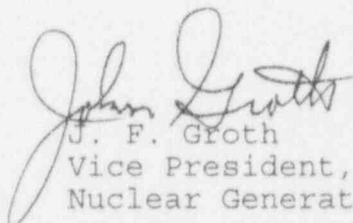
August 11, 1994  
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U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
Washington, DC 20555

South Texas Project  
Units 1 and 2  
Docket Nos. STN 50-498, STN 50-499  
Monthly Operating Reports for July 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 July 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 - July 1994
- 2) STPEGS Unit 2 Monthly Operating Report - July 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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SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
JULY 1994  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

Reviewed By:	<u>D. M. Bergendahl</u>	<u>8/9/94</u>
	D. M. BERGENDAHL	Date
Reviewed By:	<u>F. H. Mallen</u>	<u>8/6/94</u>
	F. H. MALLEN	Date
Approved By:	<u>L. W. Myers</u>	<u>8/9/94</u>
	L. W. MYERS	Date

Monthly Summary

STPEGS 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 Aug. 8, 1994  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 07/01/94-07/31/94 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.....	744.0	3452.7	30325.3
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	744.0	3236.5	29160.3
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2839115	11481689	106147196
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..	975430	3927450	35942110
11. NET ELECTRICAL ENERGY GENERATED (MWH) ....	932880	3739448	33998992
12. REACTOR SERVICE FACTOR.....	100.0%	67.9%	58.3%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	67.9%	58.3%
14. UNIT SERVICE FACTOR.....	100.0%	63.6%	56.1%
15. UNIT AVAILABILITY FACTOR.....	100.0%	63.6%	56.1%
16. UNIT CAPACITY FACTOR (Using MDC).....	100.3%	58.8%	52.3%
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	100.3%	58.8%	52.3%
18. UNIT FORCED OUTAGE RATE.....	0.0%	36.4%	32.7%
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 1

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DOCKET NO. 50-498

UNIT 1

DATE Aug. 8, 1994

COMPLETED BY R.L. Hill

TELEPHONE 512/972-7667

MONTH JULY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1256
2	1255
3	1255
4	1254
5	1255
6	1253
7	1252
8	1253
9	1253
10	1254
11	1253
12	1252
13	1250
14	1251
15	1253
16	1253

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1253
18	1254
19	1251
20	1251
21	1255
22	1254
23	1255
24	1255
25	1255
26	1255
27	1255
28	1256
29	1257
30	1257
31	1258

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498  
 UNIT 1  
 DATE Aug. 8, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH JULY

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)

<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 1  
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PORVs and Safety Valves Summary

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



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

Reviewed By:	<u>D. M. Bergendahl</u>	<u>8/9/94</u>
	D. M. BERGENDAHL	Date
Reviewed By:	<u>F. H. Mallen</u>	<u>8/9/94</u>
	F. H. MALLEN	Date
Approved By:	<u>G. L. Parkey</u>	<u>8/10/94</u>
	G. L. PARKEY	Date

Monthly Summary

ATTACHMENT 2  
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STPEGS Unit 2 began the reporting period operating at approximately 86% reactor power with power ascension to 100% in progress following recovery from a reactor trip on 6/25/94.

On 7/1/94 the unit reduced reactor power to less than 30%. A small amount of ion exchange resin entered the secondary system through a 1/16-inch hole in the retention element of a mixed bed condensate polisher service vessel and through the resin trap which was missing a gasket at its seating surface.

Repairs were made to the retention element and the resin trap gasket was installed. The repairs tested satisfactorily and the unit was returned to 100% reactor power on 7/3/94 at 0820.

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

## OPERATING DATA REPORT

DOCKET NO. 50-499  
 UNIT 2  
 DATE Aug. 8, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

## OPERATING STATUS

1. REPORTING PERIOD: 07/01/94-07/31/94 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.....	744.0	1607.6	26363.7
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	744.0	1426.0	25159.7
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2744301	4450317	90883838
10. GROSS ELECTRICAL ENERGY GENERATED (MWH) ..	934250	1472480	30677070
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	892955	1405429	29140708
12. REACTOR SERVICE FACTOR.....	100.0%	31.6%	58.8%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	31.6%	58.8%
14. UNIT SERVICE FACTOR.....	100.0%	28.0%	56.1%
15. UNIT AVAILABILITY FACTOR.....	100.0%	28.0%	56.1%
16. UNIT CAPACITY FACTOR (Using MDC).....	96.0%	22.1%	51.9%
17. UNIT CAPACITY FACTOR (Using Design MWe) ..	96.0%	22.1%	51.9%
18. UNIT FORCED OUTAGE RATE.....	0.0%	71.9%	33.6%
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 Aug. 8, 1994  
COMPLETED BY R.L. Hill  
TELEPHONE 512/972-7667

MONTH JULY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	435
2	626
3	1228
4	1245
5	1244
6	1246
7	1247
8	1248
9	1248
10	1249
11	1249
12	1247
13	1247
14	1248
15	1249
16	1247

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1247
18	1241
19	1237
20	1238
21	1243
22	1246
23	1248
24	1248
25	1248
26	1250
27	1250
28	1252
29	1252
30	1252
31	1253

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499  
 UNIT 2  
 DATE Aug. 8, 1994  
 COMPLETED BY R.L. Hill  
 TELEPHONE 512/972-7667

REPORT MONTH JULY

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
94-04	940701	F	0.0	A	5	N/A	SF	FDM	<p>The unit reduced power to 30% due to high steam generator cation conductivity and sulfate levels.</p> <p>Analysis indicated that approximately 0.5 liters of ion exchange resin entered the steam generators. The resin intrusion occurred through a 1/16-inch hole in a retention element of a mixed bed service vessel and through the seal between the vessel pipe and the outlet resin trap. A gasket was missing from the seal.</p> <p>Repairs were made to the retention element and the seal gasket replaced. The resin traps for the remaining vessels are being inspected.</p>

<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-4863  
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PORVs and Safety Valves Summary

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