

# The Light company

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

March 10, 1992

ST-HL-AE-4036

File No.: G02

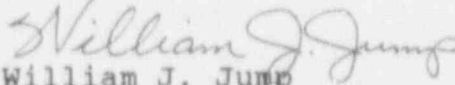
10CFR50.71

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

South Texas Project  
Units 1 & 2  
Docket Nos. STN 50-498 & 50-499  
Monthly Operating Reports for February, 1992

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 February, 1992.

If you should have any questions on this matter, please  
contact Mr. C. A. Ayala at (512) 972-8628.

  
William J. Jump  
Manager  
Nuclear Licensing

MKJ/amp

Attachments: 1) STPEGS Unit 1 Monthly Operating  
Report - February, 1992  
2) STPEGS Unit 2 Monthly Operating  
Report February, 1992

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RRFP192069001.1A2

A Subsidiary of Houston Industries Incorporated

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Houston Lighting & Power Company  
South Texas Project Electric Generating Station

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File No.: G02  
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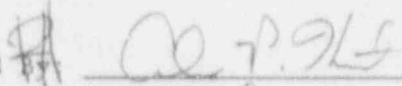
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Bureau of Radiation Control  
Texas Department of Health  
1100 West 49th Street  
Austin, TX 78756-3189

Revised 10/11/91

L4/NRC/

SOUTH TEXAS PROJECT  
ELECTRIC GENERATING STATION  
UNIT 1  
MONTHLY OPERATING REPORT  
FEBRUARY 1992  
HOUSTON LIGHTING AND POWER CO.  
NRC DOCKET NO. 50-498  
LICENSE NO. NPF-76

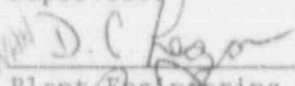
Reviewed By:

  
Supervisor

3/3/92

Date

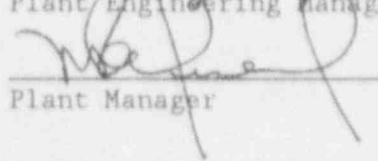
Reviewed By:

  
Plant Engineering Manager

3-5-92

Date

Approved By:

  
Plant Manager

3/5/92

Date

Monthly Summary

ATTACHMENT 1  
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EGS Unit 1 operated during the reporting period with no unit shutdowns or significant power reductions.

# OPERATING DATA REPORT

ATTACHMENT 1  
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DOCKET NO. 50-498  
UNIT 1  
DATE Mar. 3, 1992  
COMPLETED BY A.P. Kent  
TELEPHONE 512/972-7786

## OPERATING STATUS

1. REPORTING PERIOD: 02/01-02/29 GROSS HOURS IN REPORTING PERIOD: 696
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.....	696.0	1440.0	21459.9
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	696.0	1440.0	20652.3
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2651777	5489517	75643840
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	909580	1883660	25591660
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	873357	1807551	24135920
12. REACTOR SERVICE FACTOR.....	100.0%	100.0%	69.6%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	100.0%	69.6%
14. UNIT SERVICE FACTOR.....	100.0%	100.0%	67.0%
15. UNIT AVAILABILITY FACTOR.....	100.0%	100.0%	67.0%
16. UNIT CAPACITY FACTOR (Using MDC).....	100.3%	100.4%	62.6%
17. UNIT CAPACITY FACTOR (Using Design MWe)...	100.3%	100.4%	62.6%
18. UNIT FORCED OUTAGE RATE.....	0.0%	0.0%	13.4%
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	Scheduled 5 day maintenance outage to begin April 6, 1992.		
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:	N/A		

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498  
UNIT 1  
DATE Mar. 3, 1992  
COMPLETED BY A. P. Kent  
TELEPHONE 512/972-7786

MONTH FEBRUARY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	<u>1258</u>
2	<u>1258</u>
3	<u>1258</u>
4	<u>1255</u>
5	<u>1255</u>
6	<u>1259</u>
7	<u>1260</u>
8	<u>1260</u>
9	<u>1260</u>
10	<u>1260</u>
11	<u>1260</u>
12	<u>1259</u>
13	<u>1258</u>
14	<u>1258</u>
15	<u>1259</u>
16	<u>1258</u>

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	<u>1258</u>
18	<u>1259</u>
19	<u>1256</u>
20	<u>1258</u>
21	<u>1229</u>
22	<u>1230</u>
23	<u>1231</u>
24	<u>1255</u>
25	<u>1249</u>
26	<u>1256</u>
27	<u>1258</u>
28	<u>1258</u>
29	<u>1258</u>
30	<u>N/A</u>
31	<u>N/A</u>

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498UNIT 1DATE Mar. 3, 1992COMPLETED BY A.P. KentTELEPHONE 512/972-7786REPORT MONTH FEBRUARY

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)  
L-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

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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  
FEBRUARY 1992  
HOUSTON LICHTING AND POWER CO.  
NRC DOCKET NO. 50-499  
LICENSE NO. NFF-60

Reviewed By: <u>[Signature]</u>	<u>3/3/92</u>
Supervisor	Date
Reviewed By: <u>[Signature]</u>	<u>3-3-92</u>
Plant Engineering Manager	Date
Approved By: <u>[Signature]</u>	<u>3/5/92</u>
Plant Manager	Date

Monthly Summary

ATTACHMENT 2  
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STPEGS Unit 2 began the reporting period at 100% reactor power.

On 2/24/92 at 1811 the reactor was manually tripped due to the inability to control steam generator levels. Heavy rains intruded into the steam generator feedwater pump common control cabinet. Subsequent grounds caused the overspeed of Feedwater Pump #22 and a loss of speed control on Feedwater Pump #21.

The unit was returned to service on 2/26/92 at 0153 and concluded the reporting period at 100% reactor power.

OPERATING DATA REPORT

DOCKET NO. 50-499  
UNIT 2  
DATE Mar. 3, 1992  
COMPLETED BY A.P. Kent  
TELEPHONE 512/872-7786

OPERATING STATUS

1. REPORTING PERIOD: 02/01-02/29 GROSS HOURS IN REPORTING PERIOD: 696
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>673.7</u>	<u>1291.6</u>	<u>16714.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>664.3</u>	<u>1254.3</u>	<u>15736.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>2511067</u>	<u>4702880</u>	<u>57096151</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>859420</u>	<u>1604810</u>	<u>19272170</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>823415</u>	<u>1537546</u>	<u>18241549</u>
12. REACTOR SERVICE FACTOR.....	<u>96.8%</u>	<u>89.7%</u>	<u>70.6%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>96.8%</u>	<u>89.7%</u>	<u>70.6%</u>
14. UNIT SERVICE FACTOR.....	<u>95.4%</u>	<u>87.1%</u>	<u>66.5%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>95.4%</u>	<u>87.1%</u>	<u>66.5%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>94.6%</u>	<u>85.4%</u>	<u>61.6%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>94.6%</u>	<u>85.4%</u>	<u>61.6%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>4.6%</u>	<u>12.9%</u>	<u>16.2%</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: <u>N/A</u>			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-499  
UNIT 2  
DATE Mar. 3, 1992  
COMPLETED BY A.P. Kent  
TELEPHONE 512/972-7786

MONTH FEBRUARY

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

1	1244
2	1255
3	1255
4	1255
5	1257
6	1255
7	1256
8	1257
9	1257
10	1256
11	1254
12	1254
13	1254
14	1255
15	1255
16	1254

DAY AVERAGE DAILY POWER LEVEL  
(MWe-Net)

17	1253
18	1252
19	1244
20	1254
21	1255
22	1256
23	1256
24	939
25	0
26	781
27	1252
28	1249
29	1248
30	N/A
31	N/A

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499UNIT 2DATE Mar. 3, 1992COMPLETED BY A.P. KentTELEPHONE 512/972-7786REPORT MONTH FEBRUARY

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
92-02	920224	F	31.7	A	2	2-92-003	SJ	P	<p>The reactor was manually tripped due to the inability to control steam generator levels. Heavy rains intruded into the steam generator feedwater pump common control cabinet. Subsequent grounds caused the overspeed of Feedwater Pump #22 and a loss of speed control on Feedwater Pump #21.</p> <p>Recurrence control measures will be addressed in the LER.</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

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PORVs and Safety Valves Summary

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