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

February 14, 1992
ST-HL-AE-4007
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 January, 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 January, 1992.

HL&P has revised its methodology for calculation of net generation during unit shutdown periods. The revised methodology complies with the guidance provided in Regulatory Guide 1.16 Revision 4 in accordance with the South Texas UFSAR commitment.

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 - January, 1992
2) STPEGS Unit 2 Monthly Operating Report - January, 1992

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cc:

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Revised 10/11/91

L4/NRC/

SOUTH TEXAS PROJECT

ELECTRIC GENERATING STATION

UNIT 1

MONTHLY OPERATING REPORT

JANUARY 1992

HOUSTON LIGHTING AND POWER CO.

NRC DOCKET NO. 50-498

LICENSE NO. NPF-76

Reviewed By: _____ 2-5-92
Supervisor Date

Reviewed by: _____ 2-6-92
Plant Engineering Manager Date

Approved By: _____ 2/10/92
Plant Manager 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 Feb. 3, 1992
COMPLETED BY A.P. Kent
TELEPHONE 512/972-7786

OPERATING STATUS

1. REPORTING PERIOD: 01/01-01/31 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	744.0	20763.9
6. REACTOR RESERVE SHUTDOWN HOURS.....	0	0	0
7. HOURS GENERATOR ON LINE.....	744.0	744.0	19956.3
8. UNIT RESERVE SHUTDOWN HOURS.....	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWt).....	2837741	2837741	72992063
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	974080	974080	24682080
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	934194	934194	23262563
12. REACTOR SERVICE FACTOR.....	100.0%	100.0%	68.9%
13. REACTOR AVAILABILITY FACTOR.....	100.0%	100.0%	68.9%
14. UNIT SERVICE FACTOR.....	100.0%	100.0%	66.3%
15. UNIT AVAILABILITY FACTOR.....	100.0%	100.0%	66.3%
16. UNIT CAPACITY FACTOR (Using MDC).....	100.4%	100.4%	61.8%
17. UNIT CAPACITY FACTOR (Using Design MWe)..	100.4%	100.4%	61.8%
18. UNIT FORCED OUTAGE RATE.....	0.0%	0.0%	13.8%

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

ATTACHMENT 1
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AVERAGE DAILY UNIT POWER LEVEL

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

MONTH JANUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1260	17	1256
2	1259	18	1255
3	1260	19	1258
4	1260	20	1256
5	1260	21	1258
6	1259	22	1258
7	1258	23	1253
8	1258	24	1252
9	1257	25	1251
10	1257	26	1250
11	1257	27	1248
12	1257	28	1232
13	1258	29	1255
14	1257	30	1257
15	1257	31	1258
16	1255		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH JANUARY

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 805-1983

[5] 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.

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PAGE 1 OF 6

SOUTH TEXAS PROJECT

ELECTRIC GENERATING STATION

UNIT 2

MONTHLY OPERATING REPORT

JANUARY 1992

HOUSTON LIGHTING AND POWER CO.

NRC DOCKET NO. 50-499

LICENSE NO. NPF-80

Reviewed By: _____ 2-13-92
Supervisor Date

Reviewed By: _____ 2-13-92
Plant Engineering Manager Date

Approved By: _____ 2/13/92
Plant Manager Date

ATTACHMENT 2
ST-HL-AE-4007
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Monthly Summary

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

On 1/22/92 at 0910 the unit automatically shutdown when Control Rod H-6 dropped causing a power range rate trip. The control rod dropped when a diode failed in the Stationary Gripper Coil Circuit of the Rod Control System. The diode was replaced along with a number of other diodes of the same lot. All blocking diodes were tested and were within the required manufacturers operating specifications. Additional testing was done by Westinghouse resulting in no additional findings relating to the failure. The outage was extended to repair a steam leak from an 8-3/4 inch handhole cover on the 2D Steam Generator. The handhole cover and gasket were replaced.

The unit was returned to service on 1/28/92 at 1910 and concluded the reporting period at 100% reactor power.

OPERATING DATA REPORT

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

OPERATING STATUS

1. REPORTING PERIOD: 01/01-01/31 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	617.9	617.9	16040.5
6.	REACTOR RESERVE SHUTDOWN HOURS	0	0	0
7.	HOURS GENERATOR ON LINE	590.0	590.0	15072.2
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWt)	2191813	2191813	54585084
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	745390	745390	18412750
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	714131	714131	17418134
12.	REACTOR SERVICE FACTOR	83.0%	83.0%	69.8%
13.	REACTOR AVAILABILITY FACTOR	83.0%	83.0%	69.8%
14.	UNIT SERVICE FACTOR	79.3%	79.3%	65.6%
15.	UNIT AVAILABILITY FACTOR	79.3%	79.3%	65.6%
16.	UNIT CAPACITY FACTOR (Using MDC)	76.8%	76.8%	60.6%
17.	UNIT CAPACITY FACTOR (Using Design MWe)	76.8%	76.8%	60.6%
18.	UNIT FORCED OUTAGE RATE	20.7%	20.7%	16.6%

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 Feb. 3, 1992
COMPLETED BY A.P. Kent
TELEPHONE 512/972-7786

MONTH JANUARY

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1234	17	1257
2	1244	18	1256
3	1241	19	1256
4	1254	20	1258
5	1251	21	1256
6	1245	22	452
7	1258	23	0
8	1258	24	0
9	1257	25	0
10	1258	26	0
11	1258	27	0
12	1256	28	0
13	1256	29	500
14	1258	30	1237
15	1258	31	1244
16	1256		

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH JANUARY

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
92-01	920122	F	154.0	A	3	2-92-001	AA	BLK	The unit automatically shutdown when Control Rod H-6 dropped causing a power range rate trip. The control rod dropped when a diode failed in the Stationary Gripper Coil Circuit of the Rod Control System. The diode was replaced along with a number of other diodes of the same lot. All blocking diodes were tested and were within the required manufacturers operating specifications. Additional testing was done by Westinghouse resulting in no additional findings relating to the failure. Corrective actions to prevent recurrence will be discussed in the LER. The outage was extended to repair a steam leak from an 8 3/4 inch handhole cover on the 2D Steam Generator. The handhole cover and gasket were replaced.

[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
ST-HL-AE-4001
PAGE 5 OF 6

PORVs and Safety Valves Summary

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