

The Light company

Houston Lighting & Power

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

December 15, 1992

ST-HL-AE-4280

File No.: G02

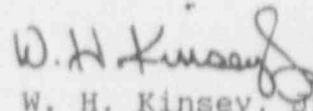
10CFR50.71

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 November, 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 November, 1992.

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


W. H. Kinsey, Jr.
Vice President,
Nuclear Generation

MKJ/ag

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

RREP\92344001.1&2

A Subsidiary of Houston Industries Incorporated

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Houston Lighting & Power Company
South Texas Project Electric Generating Station

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Revised 10/11/91

L4/NRC/

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

Reviewed By:	<u><i>[Signature]</i></u>	<u>12/3/92</u>
	Supervisor	Date
Reviewed By:	<u><i>[Signature]</i></u>	<u>12/8/92</u>
	Plant Engineering Manager	Date
Approved By:	<u><i>[Signature]</i></u>	<u>12/18/92</u>
	Plant Manager	Date

Monthly Summary

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STPEGS Unit 1 began the reporting period shutdown for refueling and scheduled maintenance. Due to corrective maintenance work on equipment required to allow start-up, the refueling outage was extended beyond the original scheduled start-up date of November 20, 1992. November 21, 1992 marked the beginning of forced shutdown time accrued to the unit.

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Dec 3, 1992
 TELEPHONE 512/972-7786

OPERATING STATUS

1. REPORTING PERIOD: 11/01-11/30 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>0</u>	<u>6035.5</u>	<u>26066.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>0</u>	<u>6017.5</u>	<u>25229.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>0</u>	<u>22386888</u>	<u>92541210</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH).....	<u>0</u>	<u>7601730</u>	<u>31309730</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>0</u>	<u>7264554</u>	<u>29592923</u>
12. REACTOR SERVICE FACTOR.....	<u>0.0%</u>	<u>75.1%</u>	<u>69.7%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>0.0%</u>	<u>75.1%</u>	<u>69.7%</u>
14. UNIT SERVICE FACTOR.....	<u>0.0%</u>	<u>74.8%</u>	<u>67.4%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>0.0%</u>	<u>74.8%</u>	<u>67.4%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>0.0%</u>	<u>72.2%</u>	<u>63.2%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe).....	<u>0.0%</u>	<u>72.2%</u>	<u>63.2%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>100.0%</u>	<u>5.1%</u>	<u>12.3%</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: 12/11/92			

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH NOVEMBER

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	0
30	0
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH NOVEMBER

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
92-04	920919	S	480.0	C	4	N/A	N/A	N/A	Refueling and scheduled maintenance outage.
92-05	921121	F	240.0	B	9	N/A	N/A	N/A	Corrective maintenance work on equipment required to allow start-up.

¹
 F: Forced
 S: Scheduled

²
 Reason:
 A-Equipment Failure (Explain)
 B-Maintenance of 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
NOVEMBER 1992
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Reviewed By: [Signature] 12/3/92
Supervisor Date

Reviewed By: [Signature] 12/9/92
Plant Engineering Manager Date

Approved By: [Signature] 12/11/92
Plant Manager Date

Monthly Summary

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

On 11/20/92 at 2200 reactor power was reduced to 80% to allow scheduled corrective maintenance on the #23 main feedwater pump. Reactor power was further reduced to 60% on 11/21/92 at 1813 due to a trip occurring on the #24 start-up feedwater pump. Corrective maintenance was completed on the #24 start-up feedwater allowing power restoration to 80% on 11/23/92 at 0647. Following the scheduled corrective maintenance on the #23 main feedwater pump, reactor power was restored to 100% on 11/24/92 at 2234.

The unit completed the reporting period operating at 100% reactor power.

OPERATING DATA REPORT

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

OPERATING STATUS

1. REPORTING PERIOD: 11/01-11/30 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>720.0</u>	<u>7891.6</u>	<u>23314.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>720.0</u>	<u>7854.3</u>	<u>22336.5</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt).....	<u>2648845</u>	<u>29207928</u>	<u>81601199</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)...	<u>903390</u>	<u>9926530</u>	<u>27593890</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>862028</u>	<u>9497164</u>	<u>26201174</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>98.2%</u>	<u>77.0%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>98.2%</u>	<u>77.0%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>97.7%</u>	<u>73.8%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>97.7%</u>	<u>73.8%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>95.7%</u>	<u>94.5%</u>	<u>69.2%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)...	<u>95.7%</u>	<u>94.5%</u>	<u>69.2%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>2.3%</u>	<u>12.0%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):	Scheduled 62 day refueling outage to begin February 27, 1993.		
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP: <u>N/A</u>			

AVERAGE DAILY UNIT POWER LEVEL

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

MONTH NOVEMBER

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

1	1237
2	1236
3	1233
4	1233
5	1231
6	1237
7	1231
8	1232
9	1239
10	1239
11	1243
12	1247
13	1251
14	1249
15	1248
16	1251

DAY AVERAGE DAILY POWER LEVEL
 (MWe-Net)

17	1247
18	1247
19	1246
20	1182
21	934
22	746
23	927
24	1037
25	1251
26	1252
27	1253
28	1253
29	1253
30	1253
31	N/A

UNIT SHUTDOWNS AND POWER REDUCTIONS

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

REPORT MONTH NOVEMBER

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
92-06	921120	S	0.0	B	5	N/A	SJ	P	Reactor power was reduced to 80% to allow scheduled maintenance on the #23 main feedwater pump.
92-07	921121	F	0.0	A	5	N/A	SJ	P	With the unit at 80% reactor power while maintenance was being performed on the #23 main feedwater pump, reactor power was further reduced to 60% when the #24 start-up feedwater pump tripped due to restricted flow in the lubricating oil filter. Following corrective maintenance on the filter, the start-up feedwater pump could not be restarted due to rainwater ingress into the motor electrical leads causing a breaker overcurrent trip. The leads were dried, the pump restarted and reactor power was returned to 80%.

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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POEVs and Safety Valves Summary

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