

The Light company

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

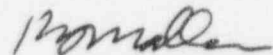
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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Units 1 and 2
Docket Nos. STN 50-498, STN 50-499
Monthly Operating Reports for December 1995

Pursuant to 10CFR50.71(a) and South Texas Project (STP) Technical Specification 6.9.1.5, attached are the Monthly Operating Reports for December 1995.

If you should have any questions on this matter, please contact Ms. D. M. Bergendahl at (512) 972-7688.



F. H. Mallen
Manager,
Planning & Controls

RLH/lf

- Attachments:
- 1) STPEGS Unit 1 Monthly Operating Report - December 1995
 - 2) STPEGS Unit 2 Monthly Operating Report - December 1995

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

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
DECEMBER 1995
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Reviewed By: *D. M. Bergendahl*
D. M. BERGENDAHL

1/9/96
Date

Approved By: *L. W. Myers*
L. W. MYERS

1-11-96
Date

Monthly Summary

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

On December 18, 1995 at 0335 a reactor trip occurred due to a turbine trip above 50% reactor power. The cause of the trip was a pilot wire monitoring relay actuation causing Main Generator Lockout.

The root cause of the trip was determined, corrective maintenance performed and the unit returned to service on December 21 at 1843. The unit achieved full power on December 23 and operated for the remainder of the reporting period with no unit shutdowns or significant power reductions.

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE Jan. 8, 1996
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 12/01/95-12/31/95 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.....	<u>669.7</u>	<u>7684.3</u>	<u>41637.2</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>656.9</u>	<u>7572.0</u>	<u>40339.3</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (MWt)....	<u>2405809</u>	<u>28334354</u>	<u>148156335</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>825800</u>	<u>9726710</u>	<u>50381670</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>789780</u>	<u>9301768</u>	<u>47812720</u>
12. REACTOR SERVICE FACTOR.....	<u>90.0%</u>	<u>87.7%</u>	<u>64.6%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>90.0%</u>	<u>87.7%</u>	<u>64.6%</u>
14. UNIT SERVICE FACTOR.....	<u>88.3%</u>	<u>86.4%</u>	<u>62.6%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>88.3%</u>	<u>86.4%</u>	<u>62.6%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>84.9%</u>	<u>84.9%</u>	<u>59.3%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>84.9%</u>	<u>84.9%</u>	<u>59.3%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>11.7%</u>	<u>2.4%</u>	<u>26.3%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE AND DURATION OF EACH):			
	Scheduled 35 day refueling outage to begin on May 18, 1996.		
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 Jan. 8, 1996
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

MONTH DECEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1260</u>
2	<u>1263</u>
3	<u>1263</u>
4	<u>1254</u>
5	<u>1256</u>
6	<u>1254</u>
7	<u>1263</u>
8	<u>1258</u>
9	<u>1263</u>
10	<u>1263</u>
11	<u>1263</u>
12	<u>1257</u>
13	<u>1262</u>
14	<u>1262</u>
15	<u>1263</u>
16	<u>1258</u>

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	<u>1262</u>
18	<u>174</u>
19	<u>0</u>
20	<u>0</u>
21	<u>0</u>
22	<u>163</u>
23	<u>1025</u>
24	<u>1262</u>
25	<u>1267</u>
26	<u>1266</u>
27	<u>1267</u>
28	<u>1267</u>
29	<u>1266</u>
30	<u>1263</u>
31	<u>1256</u>

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT 1
 DATE Jan. 8, 1996
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

REPORT MONTH DECEMBER

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
95-09	951218	F	87.1	H	3	1-95-013	EA	RLY-85	<p>A reactor trip occurred due to a turbine trip above 50% reactor power. The cause of the trip was a pilot wire monitoring relay actuation causing Main Generator Lockout. The Main Generator Lockout resulted in an automatic turbine trip and automatic reactor trip.</p> <p>The cause of the pilot wire monitoring relay actuation was due to an "A phase" ground on a Main Transformer protection relay. This ground combined with a fault to a 345 KV transmission line caused by lightning resulted in an actuation of the pilot wire monitoring relay.</p> <p>The corrective actions to prevent recurrence will be discussed 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

PORVs and Safety Valves Summary

Following the Unit 1 reactor trip on December 18 at 0335, at approximately 0350, the Pressurizer Power Operated Relief Valves cycled open and closed three times. Auxiliary spray flow was used to regain control of pressurizer pressure. The electrical buses supplying power to the Reactor Coolant Pumps were reenergized at approximately 0430 hours. At approximately 0511 hours, Reactor Coolant Pump 1A was started followed by starting Reactor Coolant Pump 1D approximately eleven minutes later. The reestablished forced Reactor Coolant System flow restored normal pressurizer spray capability.

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 2
MONTHLY OPERATING REPORT
DECEMBER 1995
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF-80

Reviewed By: *D. M. Bergendahl* *1/9/96*
D. M. BERGENDAHL Date
Approved By: *Robert E. Masse* *1/9/96*
R. E. MASSE Date

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 Jan. 8, 1995
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

OPERATING STATUS

1. REPORTING PERIOD: 12/01/95-12/31/95 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.....	<u>744.0</u>	<u>8064.0</u>	<u>38100.7</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>744.0</u>	<u>7985.8</u>	<u>36818.6</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	<u>2805403</u>	<u>30194180</u>	<u>134974677</u>
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)..	<u>966700</u>	<u>10370511</u>	<u>45828381</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH)....	<u>926620</u>	<u>9923091</u>	<u>43649346</u>
12. REACTOR SERVICE FACTOR.....	<u>100.0%</u>	<u>92.1%</u>	<u>66.5%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>92.1%</u>	<u>66.5%</u>
14. UNIT SERVICE FACTOR.....	<u>100.0%</u>	<u>91.2%</u>	<u>64.3%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100.0%</u>	<u>91.2%</u>	<u>64.3%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>99.6%</u>	<u>90.6%</u>	<u>60.9%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)..	<u>99.6%</u>	<u>90.6%</u>	<u>60.9%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0.0%</u>	<u>1.7%</u>	<u>25.9%</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: N/A			

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-499
UNIT 2
DATE Jan. 8, 1995
COMPLETED BY R.L. Hill
TELEPHONE 512/972-7667

MONTH DECEMBER

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	<u>1263</u>	17	<u>1263</u>
2	<u>1263</u>	18	<u>1238</u>
3	<u>1259</u>	19	<u>1233</u>
4	<u>1262</u>	20	<u>1228</u>
5	<u>1263</u>	21	<u>1216</u>
6	<u>1258</u>	22	<u>1199</u>
7	<u>1258</u>	23	<u>1200</u>
8	<u>1263</u>	24	<u>1200</u>
9	<u>1258</u>	25	<u>1198</u>
10	<u>1264</u>	26	<u>1200</u>
11	<u>1259</u>	27	<u>1209</u>
12	<u>1264</u>	28	<u>1263</u>
13	<u>1258</u>	29	<u>1263</u>
14	<u>1263</u>	30	<u>1259</u>
15	<u>1263</u>	31	<u>1264</u>
16	<u>1259</u>		

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT 2
 DATE Jan. 8, 1995
 COMPLETED BY R.L. Hill
 TELEPHONE 512/972-7667

REPORT MONTH DECEMBER

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

PORVs and Safety Valves Summary

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