

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1
MONTHLY OPERATING REPORT
APRIL 1989
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-498
LICENSE NO. NPF-76

Prepared by: L.F. Hill 5/8/89
Performance Technician Date

Reviewed by: Al P. G. L. 5/8/89
Performance Technician Gen. Supervisor Date

Reviewed By: Jordan 5/8/89
Plant Engineering Manager Date

Reviewed By: W. J. ... 5/9/89
Plant Superintendent Date

Approved By: W. J. ... 5-9-89
Plant Manager Date

8905180184 890430
PDR ADOCK 05000498
R FDC

IE24 1/1

Monthly Summary

STPEGS Unit 1 began the reporting period at 100% reactor power. On 4/2/89 at 2105 reactor power was reduced to approximately 90% when a Main Turbine governor valve was declared inoperable due to unacceptable oscillations.

The one governor valve was closed and reactor power was increased to approximately 94% with three governor valves operable. The remaining governor valve was declared operable on 4/6/89 at 1420.

On 4/6/89 at 0838 the unit declared a Notification Of Unusual Event (NOUE) due to two diesel generators being inoperable. On 4/6/89 at 1950 the last of the two diesel generators was operable and the unit exited the NOUE. Due to unsatisfactory results of the Quadrant Power Tilt Ratio (QPTR), reactor power was required to be maintained below 50%. The limiting condition for operation due to unsatisfactory QPTR was exited on 4/8/89 at 0639.

The unit concluded the reporting period at 100% reactor power.

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE May 5, 1989
 COMPLETED BY A.P. Kent
 TELEPHONE 512-972-7786

OPERATING STATUS

1. REPORTING PERIOD: 04/01-04/30 GROSS HOURS IN REPORTING PERIOD: 719
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>719.0</u>	<u>1847.6</u>	<u>4344.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>719.0</u>	<u>1784.8</u>	<u>4190.8</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt)...	<u>2625943</u>	<u>6496473</u>	<u>15310995</u>
10. GROSS ELECTRICAL ENERGY GENERATED(MWH).....	<u>900620</u>	<u>2217020</u>	<u>5209250</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>840152</u>	<u>2029657</u>	<u>4821149</u>
12. REACTOR SERVICE FACTOR.....	<u>100%</u>	<u>64.2%</u>	<u>72.7%</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>100%</u>	<u>64.2%</u>	<u>72.7%</u>
14. UNIT SERVICE FACTOR.....	<u>100%</u>	<u>62.0%</u>	<u>70.1%</u>
15. UNIT AVAILABILITY FACTOR.....	<u>100%</u>	<u>62.0%</u>	<u>70.1%</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>93.4%</u>	<u>56.4%</u>	<u>64.5%</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)....	<u>93.4%</u>	<u>56.4%</u>	<u>64.5%</u>
18. UNIT FORCED OUTAGE RATE.....	<u>0%</u>	<u>7.9%</u>	<u>9.9%</u>
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Scheduled 55 day outage to begin August 4, 1989 for Refueling.			
20. IF SHUT DOWN AT END OF REPORT PERIOD, ESTIMATED DATE OF STARTUP:			<u>N/A</u>
21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED	
INITIAL CRITICALITY	<u>03/08/88</u>	<u>03/08/88</u>	
INITIAL ELECTRICITY	<u>03/30/88</u>	<u>03/30/88</u>	
COMMERCIAL OPERATION	<u>08/25/88</u>	<u>08/25/88</u>	

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT NAME 1
 DATE May 5, 1989
 COMPLETED BY A.P. Kent
 TELEPHONE 512-972-7786

REPORT MONTH April

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
89-05	890406	F	64.6	D	5	N/A	EA	DG	Notification of Unusual Event declared due to two Diesel Generators being inoperable.

¹ F: Forced
 S: Scheduled

² Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 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
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AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498
UNIT 1
DATE May 5, 1989
COMPLETED BY A.F. Kent
TELEPHONE 512-972-7786

MONTH April

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1224
2	1218
3	1164
4	1166
5	1167
6	782
7	496
8	979
9	1195
10	1204
11	1211
12	1221
13	1225
14	1221
15	1205
16	1224

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1234
18	1224
19	1211
20	1214
21	1218
22	1231
23	1232
24	1231
25	1229
26	1228
27	1232
28	1218
29	1223
30	1231
31	N/A

PORVs and Safety Valves Summary

No PORVs or Safety Valves were challenged during this reporting period.

SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 2
MONTHLY OPERATING REPORT
APRIL 1989
HOUSTON LIGHTING AND POWER CO.
NRC DOCKET NO. 50-499
LICENSE NO. NPF--80

Prepared by L.F. Hill 5/8/89
Performance Technician Date

Reviewed by: A.P. Hill 5/8/89
Performance Technician Gen. Supervisor Date

Reviewed By: J. Jordan 5/8/89
DKC Plant Engineering Manager Date

Reviewed By: DePauling 5/9/89
Plant Superintendent Date

Approved By: W. H. King 5-9-89
Plant Manager Date

Monthly Summary

STPEGS Unit 2 achieved initial electricity on 4/11/89 at 1024 and was secured at 1029 due to a stator bushing high temperature indication. It was determined that the actual bushing temperature was satisfactory and the generator was again synchronized at 1326.

On 4/15/89 at 0518 a Reactor/Turbine trip occurred when the Logic Train "S" reactor trip breaker opened. The components whose failure could have resulted in the trip were replaced.

The unit entered Mode 1 on 4/17/89 at 0619 then began to cool down at 1200 to repair a steam leak on a feedwater isolation valve. Repairs were completed on 4/18/89 and the unit entered Mode 1 on 4/20/89.

On 4/21/89 the unit was cooled down for inspection of one of the low pressure turbines. The inspection was prompted by an unidentified noise detected in the turbine as the unit was being prepared to synchronize to the distribution grid. Inspection of the Main Turbine found that a jackshaft bore plug had backed out causing the noise when the turbine was rolled.

The reporting period was concluded with the Main Turbine repairs ongoing.

OPERATING DATA REPORT

DOCKET NO. 50-499
 UNIT 2
 DATE May 5, 1989
 COMPLETED BY A.P. Kent
 TELEPHONE 512-972-7786

OPERATING STATUS

1. REPORTING PERIOD: 04/11-04/30 GROSS HOURS IN REPORTING PERIOD: 469.6
2. CURRENTLY AUTHORIZED POWER LEVEL (Mwt): 3800
 MAX.DEPEND.CAPACITY (MWe-Net): Not Determined
 DESIGN ELECTRICAL RATING (MWe-Net): 1250.6
3. POWER LEVEL TO WHICH RESTRICTED (IF ANY)(MWe-Net): N/A
4. REASONS FOR RESTRICTION (IF ANY): N/A

	THIS MONTH	YR TO DATE	CUMULATIVE
5. NUMBER OF HOURS REACTOR WAS CRITICAL.....	<u>152.4</u>	<u>152.4</u>	<u>152.4</u>
6. REACTOR RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
7. HOURS GENERATOR ON LINE.....	<u>83.0</u>	<u>83.0</u>	<u>83.0</u>
8. UNIT RESERVE SHUTDOWN HOURS.....	<u>0</u>	<u>0</u>	<u>0</u>
9. GROSS THERMAL ENERGY GENERATED (Mwt).....	<u>76126</u>	<u>76126</u>	<u>76126</u>
10. GROSS ELECTRICAL ENERGY GENERATED(MWH).....	<u>11320</u>	<u>11320</u>	<u>11320</u>
11. NET ELECTRICAL ENERGY GENERATED (MWH).....	<u>-2160</u>	<u>-2160</u>	<u>-2160</u>
12. REACTOR SERVICE FACTOR.....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
13. REACTOR AVAILABILITY FACTOR.....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
14. UNIT SERVICE FACTOR.....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
15. UNIT AVAILABILITY FACTOR.....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
16. UNIT CAPACITY FACTOR (Using MDC).....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
17. UNIT CAPACITY FACTOR (Using Design MWe)....	<u>N/A</u>	<u>N/A</u>	<u>N/A</u>
18. UNIT FORCED OUTAGE RATE.....	<u>N/A</u>	<u>N/A</u>	<u>N/A</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>05/06/89</u>	
21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION):	FORECAST	ACHIEVED	
INITIAL CRITICALITY	<u>03/10/89</u>	<u>03/12/89</u>	
INITIAL ELECTRICITY	<u>04/11/89</u>	<u>04/11/89</u>	
COMMERCIAL OPERATION	<u>06/30/89</u>	<u> </u>	

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT NAME 2
 DATE May 5, 1989
 COMPLETED BY A.P. Kent
 TELEPHONE 512-972-7786

REPORT MONTH April

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
89-01	890411	F	2.4	B	1	N/A	TB	GEN	Main Generator secured due to stator bushing high temperature indication. The actual temperature was determined to be satisfactory.
89-02	890412	S	4.0	B	9	N/A	TA	TRB	Turbine Overspeed Trip Test (Rx Critical)
89-03	890412	S	1.5	B	9	N/A	TA	TRB	Turbine Overspeed Trip Test (Rx Critical)

ATTACHMENT 2
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¹F: Forced
 S: Scheduled

²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)

³Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Cont. of Existing Outage
 5-Reduction
 9-Other

⁴IEEE 805-1983

⁵IEEE 803A-1983

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-499
 UNIT NAME 2
 DATE May 5, 1989
 COMPLETED BY A.P. Kent
 TELEPHONE 512-972-7786

REPORT MONTH April

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
89-04	890415	F	378.7	A	3	89-013	JC	BKR	Rx/Turbine trip occurred. Logic Train "S" Rx Trip breaker opened. Components whose failure could have resulted in the trip have been replaced. The unit went critical on 04/17/89 but remained off line for maintenance. See monthly summary.

ATTACHMENT 2
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- ¹F: Forced
 S: Scheduled
- ²Reason:
 A-Equipment Failure (Explain)
 B-Maintenance or Test
 C-Refueling
 D-Regulatory Restriction
 E-Operator Training & License Examination
 F-Administrative
 G-Operational Error (Explain)
 H-Other (Explain)
- ³Method:
 1-Manual
 2-Manual Scram.
 3-Automatic Scram.
 4-Cont. of Existing Outage
 5-Reduction
 9-Other
- ⁴IEEE 805-1983
- ⁵IEEE 803A-1983

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-499
UNIT 2
DATE May 5, 1989
COMPLETED BY A.P. Kent
TELEPHONE 512-972-7786

MONTH April

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	19
12	55
13	92
14	98
15	14
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

PORVs and Safety Valves Summary

No PORVs or Safety Valves were challenged during this reporting period.

The Light company

Houston Lighting & Power

P.O. Box 1700 Houston, Texas 77001 (713) 228-9211

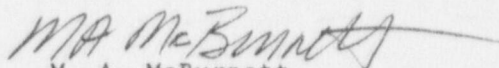
May 10, 1989
ST-HL-AE-3096
File No.: G02
10CFR50.71

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

South Texas Project Electric Generating Station
Units 1 & 2
Docket Nos. STN 50-498 & 50-499
Monthly Operating Reports for April, 1989

Pursuant to 10CFR50.71(a) and the South Texas Project Electric Generating Station (STPEGS) Technical Specification 6.9.1.5, attached are the Monthly Operating Reports for April, 1989.

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


M. A. McBurnett
Manager, Operations
Support Licensing

MAM/CAA/nl

Attachments: 1) STPEGS Unit 1 Monthly Operating Report - April, 1989
2) STPEGS Unit 2 Monthly Operating Report - April, 1989

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Houston Lighting & Power Company

ST-HL-AE 3096
File No.: G02
10CFR50.71

cc:

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