


SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION
UNIT 1

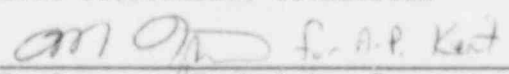
MONTHLY OPERATING REPORT

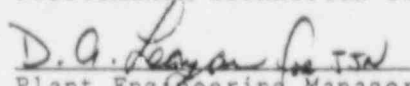
HOUSTON LIGHTING AND POWER CO.

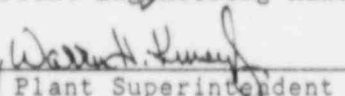
NRC DOCKET NO. 50-498

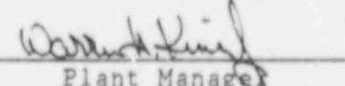
LICENSE NO. NPF-76

Prepared by:  5-6-88
Lead Performance Technician Date

Reviewed by:  for A.P. Kent 05/10/88
Performance Technician Supervisor Date

Reviewed By:  D.A. Leason for ISM 5-10-88
Plant Engineering Manager Date

Reviewed By:  Warren H. King 5-10-88
for Plant Superintendent Date

Approved By:  Warren H. King 5-10-88
Plant Manager Date

OPERATING DATA REPORT

DOCKET NO. 50-498
 UNIT 1
 DATE 05/06/88
 COMPLETED BY J.J. Nesrsta
 TELEPHONE 512-972-7827

OPERATING STATUS

1. REPORTING PERIOD: 04/01-04/30 GROSS HOURS IN REPORTING PERIOD: 719
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3817
 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): Unit in power ascension testing phase.

| | THIS MONTH | YR TO DATE | CUMULATIVE |
|---|------------------|-------------------|------------------|
| 5. NUMBER OF HOURS REACTOR WAS CRITICAL..... | <u>665.95</u> | <u>678.25</u> | <u>678.25</u> |
| 6. REACTOR RESERVE SHUTDOWN HOURS..... | <u>0</u> | <u>0</u> | <u>0</u> |
| 7. HOURS GENERATOR ON LINE..... | <u>602</u> | <u>602.6</u> | <u>602.6</u> |
| 8. UNIT RESERVE SHUTDOWN HOURS..... | <u>0</u> | <u>0</u> | <u>0</u> |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)..... | <u>663,115.2</u> | <u>666,554.2</u> | <u>666,554.2</u> |
| 10. GROSS ELECTRICAL ENERGY GENERATED..... | <u>167,270.0</u> | <u>167,312.8</u> | <u>167,312.8</u> |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)..... | <u>120,786.0</u> | <u>119,415.0</u> | <u>119,415.0</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): Scheduled 16 day outage to begin 05/01/88 for Essential Cooling Water System rework and Bottom Mounted Instrumentation inspection. | | | |
| 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>07/01/88</u> | <u> </u> | |

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO. 50-498
 UNIT 1
 DATE 05/06/88
 COMPLETED BY J.J. Nesrsta
 TELEPHONE 512-972-7827

MONTH April

| DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) | DAY | AVERAGE DAILY POWER LEVEL (MWe-Net) |
|-----|--|-----|--|
| 1 | 0 | 17 | 241 |
| 2 | 0 | 18 | 213 |
| 3 | 0 | 19 | 263 |
| 4 | 9 | 20 | 281 |
| 5 | 28 | 21 | 277 |
| 6 | 0 | 22 | 274 |
| 7 | 15 | 23 | 275 |
| 8 | 52 | 24 | 275 |
| 9 | 108 | 25 | 271 |
| 10 | 198 | 26 | 248 |
| 11 | 195 | 27 | 266 |
| 12 | 191 | 28 | 266 |
| 13 | 187 | 29 | 264 |
| 14 | 191 | 30 | 251 |
| 15 | 192 | 31 | N/A |
| 16 | 199 | | |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT NAME 1
 DATE 05/06/88
 COMPLETED BY J.J. Nesrsta
 TELEPHONE 512-972-7827

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 |
|-------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 88-01 | 880330 | F | 69.4 | B | 3 | 88-026 | EL | RLY-86 | Reactor Trip due to series of Main Generator Lockout and Main Transformer Lockout Relays tripping when a test signal was incorrectly inserted into the generator control circuits. |

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

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO. 50-498
 UNIT NAME 1
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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 |
|-------|--------|-------------------|------------------|---------------------|--|-------------------------|--------------------------|-----------------------------|--|
| 88-02 | 880404 | S | 8.9 | B | 9 | N/A | TA | TP3 | Turbine Overspeed Test (RX Critical) |
| 88-03 | 880405 | S | 4.6 | B | 9 | N/A | TA | TRB | Turbine Overspeed Test (Rx Critical) |
| 88-04 | 880405 | S | 1.1 | B | 9 | N/A | TA | TRB | Turbine Overspeed Test (Rx Critical) |
| 88-05 | 880406 | S | 27.8 | B | 9 | N/A | TA | TRB | Steam leak repair. (Rx Critical) |
| 88-06 | 880407 | F | 5.2 | D | 9 | N/A | VI | TRB | Shutdown due to two Control Room HVAC Makeup and one stand-by diesel generator inoperable. Tech Spec shutdown requirement. (Rx Critical) |

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 S: Scheduled

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Monthly Summary

South Texas Project Unit I began the month in a forced outage with power ascension beginning on 04/03/88. The unit operated at 30% reactor power and achieved significant objectives toward completion of the Startup Testing Program.

On 04/04/88 the unit began supplying a positive net generation.

PORVs and Safety Valves Summary

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