



**TXU Electric**  
**Comanche Peak**  
**Steam Electric Station**  
P.O. Box 1002  
Glen Rose, TX 76043  
Tel: 254 897 8920  
Fax: 254 897 6652  
lterry1@txu.com

**C. Lance Terry**  
Senior Vice President & Principal Nuclear Officer

Ref: #10CFR50.36

CPSES-200102173  
Log # TXX-01156  
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September 18, 2001

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)  
DOCKET NOS. 50-445 AND 50-446  
MONTHLY OPERATING REPORT FOR AUGUST 2001

Gentlemen:

Attached is the Monthly Operating Report for August 2001, prepared and submitted pursuant to Technical Specification 5.6.4 contained in Appendix A to the CPSES Units 1 and 2 Operating License Nos. NPF-87 and NPF-89, respectively. During this reporting period, there have been no failures or challenges to the Power Operated Relief Valves or Safety Valves for CPSES Unit 1 and Unit 2.

A member of the **STARS** (Strategic Teaming and Resource Sharing) Alliance

Callaway • Comanche Peak • Diablo Canyon • South Texas Project • Wolf Creek

IE24


TXX-01156

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This communication contains no new licensing basis commitments regarding CPSES Units 1 and 2. Should you have any questions, please contact Douglas W. Snow at (254) 897-8448.

Sincerely,

C. L. Terry

By:   
Roger D. Walker  
Regulatory Affairs Manager

DWS/dws  
Attachment

cc - Mr. E. W. Merschoff, Region IV  
Mr. J. A. Clark, Region IV  
Mr. D. H. Jaffe, NRR  
Resident Inspectors

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1

NRC MONTHLY OPERATING REPORT

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

OPERATING STATUS

1. REPORTING PERIOD: AUGUST 2001      GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3411      MAX. DEPEND. CAPACITY (MWe-Net): 1150\*  
DESIGN ELECTRICAL RATING (MWe-Net): 1150

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE

4. REASON FOR RESTRICTION (IF ANY):

|  | THIS MONTH | YR TO DATE | CUMULATIVE  |
|--|------------|------------|-------------|
| 5 NUMBER OF HOURS REACTOR WAS CRITICAL     | 505.4      | 4,919.7    | 84,305      |
| 6 REACTOR RESERVE SHUTDOWN HOURS           | 238.6      | 238.6      | 2,871       |
| 7 HOURS GENERATOR ON LINE                  | 463.8      | 4,854.1    | 83,519      |
| 8 UNIT RESERVE SHUTDOWN HOURS              | 0          | 0          | 0           |
| 9 GROSS THERMAL ENERGY GENERATED (MWH)     | 1,547,417  | 16,205,683 | 276,005,640 |
| 10 GROSS ELECTRICAL ENERGY GENERATED (MWH) | 513,078    | 5,463,902  | 92,394,013  |
| 11 NET ELECTRICAL ENERGY GENERATED (MWH)   | 481,606    | 5,213,603  | 88,343,190  |
| 12 REACTOR SERVICE FACTOR                  | 67.9       | 84.4       | 87.0        |
| 13 REACTOR AVAILABILITY FACTOR             | 100.0      | 88.5       | 90.0        |
| 14 UNIT SERVICE FACTOR                     | 62.3       | 83.2       | 86.2        |
| 15 UNIT AVAILABILITY FACTOR                | 62.3       | 83.2       | 86.2        |
| 16 UNIT CAPACITY FACTOR (USING MDC)        | 56.3       | 77.7       | 79.3        |
| 17 UNIT CAPACITY FACTOR (USING DESIGN MWe) | 56.3       | 77.7       | 79.3        |
| 18 UNIT FORCED OUTAGE RATE                 | 37.7       | 5.5        | 3.1         |

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

20. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP: Ref. SECY-99-034

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): ACHIEVED

COMMERCIAL OPERATION

900813

\*ESTIMATED

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

MONTH: AUGUST 2001

| AVERAGE DAILY POWER LEVEL |         | AVERAGE DAILY POWER LEVEL |         |
|---------------------------|---------|---------------------------|---------|
| DAY                       | MWe-Net | DAY                       | MWe-Net |
| 1                         | 1089    | 17                        | 1084    |
| 2                         | 1087    | 18                        | 176     |
| 3                         | 1088    | 19                        | 0       |
| 4                         | 1088    | 20                        | 0       |
| 5                         | 1086    | 21                        | 0       |
| 6                         | 1086    | 22                        | 0       |
| 7                         | 1086    | 23                        | 0       |
| 8                         | 1087    | 24                        | 0       |
| 9                         | 1087    | 25                        | 0       |
| 10                        | 1087    | 26                        | 0       |
| 11                        | 1088    | 27                        | 0       |
| 12                        | 1087    | 28                        | 0       |
| 13                        | 1087    | 29                        | 0       |
| 14                        | 1086    | 30                        | 682     |
| 15                        | 1085    | 31                        | 1088    |
| 16                        | 1084    |                           |         |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

MONTH: AUGUST 2001

| DAY   | TIME | REMARK/MODE   |
|-------|------|---|
| 08/01 | 0000 | Unit began the month at 100% power.   |
| 08/17 | 0353 | Plant Equipment Operator reports filling primary water header tank from 85% to 92%. This began refilling activity, which resulted in a unit ramp down for repair of primary water leak. |
| 08/18 | 0335 | Unit began ramp down to repair primary water leak   |
|       | 0601 | Initiated a manual Rx Trip per shutdown procedure to repair primary water leak. Unit entered Mode 3.  |
|       | 2036 | Unit entered Mode 4.  |
| 08/27 | 0133 | Unit entered Mode 3. (Generator exciter rotor replaced, began heat up)  |
| 08/28 | 0404 | Commenced Reactor Startup. Entered Mode 2.  |
|       | 0434 | Reactor is critical   |
|       | 0908 | Unit entered Mode 1.  |
|       | 1039 | Unit in Mode 2. Turbine trip for shaft balancing.   |
|       | 1512 | Unit entered Mode 1.  |
|       | 1606 | Main turbine speed increased, manually tripped turbine due to failed turbine speed sensor. Unit in Mode 2.  |
|       | 2131 | Speed sensor replaced. Unit entered Mode 1.   |
|       | 2140 | Raised reactor power to 7% for main turbine testing.  |
|       | 2353 | Performed overspeed trip test. Turbine tripped unit in Mode 2.  |

| DAY   | TIME | REMARK/MODE  |
|-------|------|--|
| 08/29 | 0806 | Unit in Mode 1.  |
|       | 0854 | Unit in Mode 1, approximately 15% power.   |
|       | 0958 | Unit entered Mode 2 due to main turbine trip due to a signal from Lockout (Ground) Relay 64-2. |
|       | 1915 | Relay repaired. Unit entered Mode 1.   |
|       | 2213 | Unit sync to the grid.   |
| 08/30 | 0403 | Hold power at 45% for calorimetrics.   |
|       | 0658 | Commenced ramp.  |
|       | 1110 | Holding power at 65% for routine turbine stop and control valve testing.                       |
|       | 1255 | Commenced ramp.  |
|       | 1806 | Unit at 100% power.  |
| 08/31 | 2400 | Unit ended the month at 100% power.  |

# UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

REPORT MONTH: AUGUST 2001

| NO | DATE   | TYPE<br>F: FORCED<br>S: SCHEDULED | DURATION*<br>(HOURS) | REASON | METHOD OF<br>SHUTTING DOWN<br>THE REACTOR OR<br>REDUCING POWER | CORRECTIVE ACTION/COMMENTS  |
|----|--------|-----------------------------------|----------------------|--------|--|---|
| 3  | 010818 | F                                 | 280.20               | A      | 1  | On August 18, 2001 at 0335, the unit began to power down to repair a leak in the primary water system. The unit was taken offline at 0601 August 18, 2001. The leak was isolated to the main generator exciter rotor. The exciter rotor was repaired and replaced and the unit returned to power operations on August 29, 2001 at 2213. The unit returned to full power on August 30, 2001 at 1806. (See previous pages for additional details) |

## 1) REASON

A: EQUIPMENT FAILURE (EXPLAIN)      E: OPERATOR TRAINING AND LICENSE EXAMINATION  
B: MAINT OR TEST                      F: ADMINISTRATIVE  
C: REFUELING                            G: OPERATIONAL ERROR (EXPLAIN)  
D: REGULATORY RESTRICTION        H: OTHER (EXPLAIN)

## 2) METHOD

1: MANUAL  
2: MANUAL SCRAM  
3: AUTOMATIC SCRAM  
4: OTHER (EXPLAIN)

- INDICATES SHUTDOWN HOURS/OTHERWISE "NA" FOR NOT APPLICABLE

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 2

NRC MONTHLY OPERATING REPORT

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

OPERATING STATUS

1. REPORTING PERIOD: AUGUST 2001 GROSS HOURS IN REPORTING PERIOD: 744
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3445\*\* MAX. DEPEND. CAPACITY (MWe-Net): 1150\*  
DESIGN ELECTRICAL RATING (MWe-Net): 1150

3. POWER LEVEL TO WHICH RESTRICTED (IF ANY) (MWe-Net): NONE

4. REASON FOR RESTRICTION (IF ANY):

|  | THIS MONTH | YR TO DATE | CUMULATIVE  |
|--|------------|------------|-------------|
| 5 NUMBER OF HOURS REACTOR WAS CRITICAL     | 744.0      | 5,811.6    | 62,574      |
| 6 REACTOR RESERVE SHUTDOWN HOURS           | 0          | 0          | 2,366       |
| 7 HOURS GENERATOR ON LINE                  | 744.0      | 5,802.0    | 62,160      |
| 8 UNIT RESERVE SHUTDOWN HOURS              | 0          | 0          | 0           |
| 9 GROSS THERMAL ENERGY GENERATED (MWH)     | 2,560,721  | 19,928,304 | 205,490,307 |
| 10 GROSS ELECTRICAL ENERGY GENERATED (MWH) | 864,510    | 6,811,978  | 69,693,208  |
| 11 NET ELECTRICAL ENERGY GENERATED (MWH)   | 831,509    | 6,554,310  | 66,814,456  |
| 12 REACTOR SERVICE FACTOR                  | 100.0      | 99.7       | 88.4        |
| 13 REACTOR AVAILABILITY FACTOR             | 100.0      | 99.7       | 91.7        |
| 14 UNIT SERVICE FACTOR                     | 100.0      | 99.5       | 87.8        |
| 15 UNIT AVAILABILITY FACTOR                | 100.0      | 99.5       | 87.8        |
| 16 UNIT CAPACITY FACTOR (USING MDC)        | 97.2       | 97.7       | 82.0        |
| 17 UNIT CAPACITY FACTOR (USING DESIGN MWe) | 97.2       | 97.7       | 82.0        |
| 18 UNIT FORCED OUTAGE RATE                 | 0.0        | 0.5        | 3.2         |

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):

20. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP: Ref. SECY-99-034

21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): ACHIEVED

COMMERCIAL OPERATION

930803

\*ESTIMATED

\*\*Tech Spec Amendment 72 and TRM Rev. 33 for the 1% uprate



AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

MONTH: AUGUST 2001

AVERAGE DAILY POWER LEVEL

| DAY | MWe-Net |
|-----|---------|
| 1   | 1118    |
| 2   | 1117    |
| 3   | 1117    |
| 4   | 1116    |
| 5   | 1115    |
| 6   | 1115    |
| 7   | 1115    |
| 8   | 1115    |
| 9   | 1116    |
| 10  | 1117    |
| 11  | 1116    |
| 12  | 1116    |
| 13  | 1115    |
| 14  | 1114    |
| 15  | 1115    |
| 16  | 1115    |

AVERAGE DAILY POWER LEVEL

| DAY | MWe-Net |
|-----|---------|
| 17  | 1115    |
| 18  | 1114    |
| 19  | 1114    |
| 20  | 1115    |
| 21  | 1117    |
| 22  | 1119    |
| 23  | 1120    |
| 24  | 1120    |
| 25  | 1122    |
| 26  | 1122    |
| 27  | 1122    |
| 28  | 1122    |
| 29  | 1124    |
| 30  | 1123    |
| 31  | 1124    |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

MONTH: AUGUST 2001

| DAY   | TIME | REMARK/MODE                         |
|-------|------|-------------------------------------|
| 08/01 | 0000 | Unit began the month at 100% power  |
| 08/31 | 2400 | Unit ended the month at 100% power. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 09/20/2001  
COMPLETED BY: Bob Reible  
TELEPHONE: 254-897-0449

REPORT MONTH: AUGUST 2001

| NO | DATE | TYPE<br>F: FORCED<br>S: SCHEDULED | DURATION*<br>(HOURS) | REASON | METHOD OF<br>SHUTTING DOWN<br>THE REACTOR OR<br>REDUCING POWER | CORRECTIVE ACTION/COMMENTS |
|----|------|-----------------------------------|----------------------|--------|--|----------------------------|
|    | NONE |                                   |                      |        |  | NONE                       |

1) REASON

|                                |  |
|--------------------------------|--|
| A: EQUIPMENT FAILURE (EXPLAIN) | E: OPERATOR TRAINING AND LICENSE EXAMINATION |
| B: MAINT OR TEST               | F: ADMINISTRATIVE                            |
| C: REFUELING                   | G: OPERATIONAL ERROR (EXPLAIN)               |
| D: REGULATORY RESTRICTION      | H: OTHER (EXPLAIN)                           |

2) METHOD

1: MANUAL  
2: MANUAL SCRAM  
3: AUTOMATIC SCRAM  
4: OTHER (EXPLAIN)

\* INDICATES SHUTDOWN HOURS/OTHERWISE "NA" FOR NOT APPLICABLE