



TXU Energy
Comanche Peak Steam
Electric Station
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C. Lance Terry
Senior Vice President &
Principal Nuclear Officer

Ref: #10CFR50.36

CPSES-200203965
Log # TXX-02211
File # 10010.2 (RP-84)

December 16, 2002

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 NOVEMBER 2002

Gentlemen:

Attached is the Monthly Operating Report for November 2002, 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.

IE24

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

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

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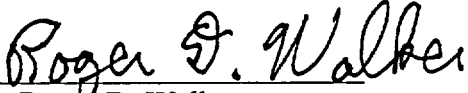
This communication contains no new licensing basis commitments regarding CPSES Units 1 and 2. Should you have any questions, please contact Douglas W. Snow at (254) 897-8448.

Sincerely,

TXU Generation Company LP

By: TXU Generation Management Company LLC
Its General Partner

C. L. Terry
Senior Vice President and Principal Nuclear Officer

By: 
Roger D. Walker
Regulatory Affairs Manager

DWS/dws
Attachment

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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| AVERAGE DAILY POWER LEVEL | | AVERAGE DAILY POWER LEVEL | |
|---------------------------|---------|---------------------------|---------|
| DAY | Mwe-Net | DAY | MWe-Net |
| 1 | 0 | 17 | 0 |
| 2 | 0 | 18 | 66 |
| 3 | 0 | 19 | 227 |
| 4 | 0 | 20 | 516 |
| 5 | 0 | 21 | 889 |
| 6 | 0 | 22 | 892 |
| 7 | 0 | 23 | 771 |
| 8 | 0 | 24 | 0 |
| 9 | 0 | 25 | 0 |
| 10 | 0 | 26 | 0 |
| 11 | 0 | 27 | 128 |
| 12 | 0 | 28 | 700 |
| 13 | 0 | 29 | 1082 |
| 14 | 0 | 30 | 970 |
| 15 | 0 | | |
| 16 | 0 | | |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
 UNIT: CPSES 1
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/01 | 0000 | Unit began the month in Mode 5 1RF09 in progress. |
| 11/08 | 1125 | Unit entered Mode 4, 1RF09 in progress. |
| 11/09 | 0601 | Unit entered Mode 3, 1RF09 in progress. |
| 11/10 | 2126 | Unit entered Mode 2, 1RF09 in progress. |
| | 2322 | Reactor critical, 1RF09 in progress. |
| 11/11 | 1646 | Unit returned to Mode 3 for repairs to Main Steam Isolation Valve (MSIV) 1-04. Normal plant shutdown, entered Mode 3, 1RF09 in progress. |
| 11/12 | 0000 | Unit in Mode 4, 1RF09 in progress. |
| | 0339 | Unit is cooled down to Mode 5, 1RF09 in progress. |
| 11/14 | 2250 | Repairs completed to MSIV 1-04. Unit entered Mode 4, 1RF09 in progress. |
| 11/15 | 0933 | Unit entered Mode 3, 1RF09 in progress. |
| 11/16 | 0322 | Unit entered Mode 2, 1RF09 in progress. |
| | 0434 | Reactor is critical, 1RF09 in progress. |
| | 1141 | Unit entered Mode 1, 1RF09 in progress. |
| | 1213 | Speed fluctuations during Turbine roll-up, Electro Hydraulic Control (EHC) tripped off. Manual turbine trip. Decision to enter Mode 2. |
| | 1323 | Unit entered Mode 2, investigating turbine EHC. |
| | 2036 | EHC repairs completed, Unit entered Mode 1, 1RF09 in progress. |
| | 2310 | Unit re-entered Mode 2, tripped main turbine due to primary water pump seal leak. |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
 UNIT: CPSES 1
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/17 | 0240 | Normal plant shutdown, entered Mode 3 for primary water pump seal repairs. |
| | 2301 | Seal repairs complete, Unit entered Mode 2, 1RF09 in progress. |
| | 2324 | Unit reactor is critical. |
| 11/18 | 0520 | Unit entered Mode 1, 1RF09 in progress. |
| | 0816 | Unit synchronized to the grid, ending 1RF09 refueling outage. |
| | 1330 | Unit at 28% power. |
| 11/20 | 0317 | Unit commenced ramping to 45% power. |
| | 0745 | Unit holding at 45% power (QTPR). |
| | 1035 | Unit commenced ramping to 80% power. |
| 11/21 | 0135 | Unit stabilized at 80% power. |
| 11/23 | 1940 | Unit commenced downpower from 80%, due to damaged pressure seal on 1MS-0063 valve. |
| | 2127 | Normal plant shutdown, entered Mode 3. |
| 11/24 | 0158 | Unit entered Mode 4 cooldown to start repairs of 1MS-0063. |
| | 0506 | Unit is in Mode 5, preparations to start work on 1MS-0063. |
| 11/25 | 0915 | Repairs to 1MS-0063 complete, Unit entered Mode 4. |
| | 1743 | Unit entered Mode 3. |
| 11/26 | 1700 | Unit entered Mode 2. |
| | 1722 | Reactor critical but outside expected range for criticality projections. |
| | 2213 | Unit returned to Mode 3 due to criticality achieved outside of expected range. |
| 11/27 | 0135 | Unit entered Mode 2. |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/27 | 0206 | Reactor critical. |
| 11/27 | 0443 | Unit in Mode 1. |
| | 0722 | Unit synchronized to grid. |
| | 2320 | Unit at 45% power. |
| 11/28 | 1816 | Unit commenced ramping to 82% power. |
| | 2000 | Unit at 83% power. |
| 11/29 | 0223 | Unit commenced ramping to 90% power. |
| | 1112 | Unit at full power. |
| 11/30 | 1412 | Unit dropped control rod (G13) reduced load. |
| | 1443 | Unit commenced downpower to 75% power. |
| | 1553 | Unit stable at 75% power. |
| | 1910 | Unit commenced downpower to 60% power. |
| | 2005 | Unit stable at 60% power. |
| | 2105 | Unit commenced downpower to 48% power. |
| | 2135 | Unit stable at 48% power. |
| | 2400 | Unit ended the month in Mode 1, at 48% power while trouble shooting the dropped control rod. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445
 UNIT: CPSES 1
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

REPORT MONTH: NOVEMBER 2002

| NO | DATE | TYPE F: FORCED S: SCHEDULED | DURATION* (HOURS) | REASON | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER | CORRECTIVE ACTION/COMMENTS |
|----|--------|-----------------------------------|----------------------|--------|--|---|
| 2b | 021101 | S | 416.27 | C | 4 | Started month in Mode 5 1RF09. 1RF09 concluded with synchronization to the grid on November 18, 2002, at 0816 hours. (See previous pages for additional details.) |
| 3 | 021123 | F | 81.92 | A | 1 | On November 20, 2002, the pressure seal was damaged for 1MS-0063, while performing a hot torque on the valve. A decision was made to take the unit off line and down to Mode 5 to perform repairs on the valve. On November 23, 2002, at 1940 hours, unit commenced shut down from 80% power and was taken off line at 2127 hours. Valve repairs were successful and on November 27, 2002, at 0722 hours, unit was synchronized back to the grid. The unit reached full power on November 29, 2002, at 1112 hours. (See previous pages for additional details.) |
| 4a | 021130 | F | | A | 4 | On November 30, at 1412 hours, reactor control rod G13 in shutdown bank B, unexpectedly dropped into the core. Unit ended the month investigating cause of failure. (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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

AVERAGE DAILY POWER LEVEL

AVERAGE DAILY POWER LEVEL

| DAY | MWe-Net |
|-----|---------|
| 1 | 1144 |
| 2 | 1146 |
| 3 | 1145 |
| 4 | 1145 |
| 5 | 1145 |
| 6 | 1128 |
| 7 | 1060 |
| 8 | 1143 |
| 9 | 1144 |
| 10 | 1144 |
| 11 | 1145 |
| 12 | 1145 |
| 13 | 1144 |
| 14 | 1144 |
| 15 | 1144 |
| 16 | 1144 |

| DAY | MWe-Net |
|-----|---------|
| 17 | 1144 |
| 18 | 1145 |
| 19 | 1145 |
| 20 | 1146 |
| 21 | 1145 |
| 22 | 1146 |
| 23 | 1145 |
| 24 | 1144 |
| 25 | 1144 |
| 26 | 1144 |
| 27 | 1143 |
| 28 | 1143 |
| 29 | 1145 |
| 30 | 1146 |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|---|
| 11/01 | 0000 | Unit began the month at full power. |
| 11/06 | 2003 | Two of four turbine control valves went to full open, which resulted in a steam and feedwater mismatch. Power was reduced to 78% to troubleshoot. |
| 11/07 | 0307 | Swapped turbine control to EHC. Load reduced to 65% power. |
| | 0325 | Commenced power ramp to full power. |
| | 0930 | Unit at full power. |
| 11/30 | 2400 | Unit ended the month at full power. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446
 UNIT: CPSES 2
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

REPORT MONTH: NOVEMBER 2002

| NO | DATE | TYPE F: FORCED S: SCHEDULED | DURATION* (HOURS) | REASON | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER | CORRECTIVE ACTION/COMMENTS |
|----|--------|-----------------------------------|----------------------|--------|--|--|
| 1 | 021106 | F | | A | 4 | On November 6, 2002, at 2003 hours, the control system for the Turbine Generator malfunctioned resulting in a load rejection. Operator action stabilized the unit, lowering power to 78% and ultimately to 65% to effect repairs. Repairs were completed and the unit returned to full power on November 7, 2002, at 0930 hours. (See previous page 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

CORRESPONDENCE DISTRIBUTION

To: Distribution

File Number: 10010.1

Document Number: TXX-02211

Document Issue Dt: 12/12/02

Title / Subject: MONTHLY OPERATING REPORT FOR NOVEMBER 2002

Comments: If you have any questions, please contact Douglas W. Snow @ (254) 897-8448, e-mail dsnow2@TXU.com.

Regulatory Affairs Contact: DWS

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Special distribution instructions: Yes / No (If yes, attach separate sheet with instructions)

FC - First Class Mail
 IR - Inspection Reports

ORC - Part 21 submittals/ incoming notifications, LER and descriptions for LBD changes.
 NODIL - Correspondence related to material/component acceptability
 VENDOR - Vendor documents per STA-206 (Vendor Document Group)



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Ref: #10CFR50.36

CPSES-200203965
Log # TXX-02211
File # 10010.2 (RP-84)

December 16, 2002

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Washington, DC 20555

**SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)
DOCKET NOS. 50-445 AND 50-446
MONTHLY OPERATING REPORT FOR NOVEMBER 2002**

Gentlemen:

Attached is the Monthly Operating Report for November 2002, 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.

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

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Page 2 of 2

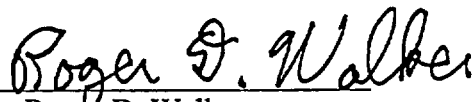
This communication contains no new licensing basis commitments regarding CPSES Units 1 and 2. Should you have any questions, please contact Douglas W. Snow at (254) 897-8448.

Sincerely,

TXU Generation Company LP

By: TXU Generation Management Company LLC
Its General Partner

C. L. Terry
Senior Vice President and Principal Nuclear Officer

By: 
Roger D. Walker
Regulatory Affairs Manager

DWS/dws
Attachment

cc - Mr. E.W. Merschoff, Region IV
Mr. W.D. Johnson, 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: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

OPERATING STATUS

1. REPORTING PERIOD: NOVEMBER 2002 GROSS HOURS IN REPORTING PERIOD: 720
2. CURRENTLY AUTHORIZED POWER LEVEL (MWt): 3458** 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 | 280.3 | 6,762.5 | 93,996 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 2,871 |
| 7. HOURS GENERATOR ON LINE | 221.8 | 6,704.0 | 93,152 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0.0 | 0.0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 491,755 | 22,554,957 | 308,537,087 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 160,058 | 7,603,803 | 103,370,424 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 133,829 | 7,278,552 | 98,852,457 |
| 12. REACTOR SERVICE FACTOR | 38.9 | 84.4 | 87.2 |
| 13. REACTOR AVAILABILITY FACTOR | 38.9 | 84.4 | 89.8 |
| 14. UNIT SERVICE FACTOR | 30.8 | 83.6 | 86.4 |
| 15. UNIT AVAILABILITY FACTOR | 30.8 | 83.6 | 86.4 |
| 16. UNIT CAPACITY FACTOR (USING MDC) | 16.2 | 79.0 | 79.7 |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 16.2 | 79.0 | 79.7 |
| 18. UNIT FORCED OUTAGE RATE | 27.0 | 3.7 | 3.0 |

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

**TS Amendment 89 and TRM Revision 38 for uprate of 1.4% .

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| AVERAGE DAILY POWER LEVEL | | AVERAGE DAILY POWER LEVEL | |
|---------------------------|---------|---------------------------|---------|
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| 12 | 0 | 28 | 700 |
| 13 | 0 | 29 | 1082 |
| 14 | 0 | 30 | 970 |
| 15 | 0 | | |
| 16 | 0 | | |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/01 | 0000 | Unit began the month in Mode 5 1RF09 in progress. |
| 11/08 | 1125 | Unit entered Mode 4, 1RF09 in progress. |
| 11/09 | 0601 | Unit entered Mode 3, 1RF09 in progress. |
| 11/10 | 2126 | Unit entered Mode 2, 1RF09 in progress. |
| | 2322 | Reactor critical, 1RF09 in progress. |
| 11/11 | 1646 | Unit returned to Mode 3 for repairs to Main Steam Isolation Valve (MSIV) 1-04. Normal plant shutdown, entered Mode 3, 1RF09 in progress. |
| 11/12 | 0000 | Unit in Mode 4, 1RF09 in progress. |
| | 0339 | Unit is cooled down to Mode 5, 1RF09 in progress. |
| 11/14 | 2250 | Repairs completed to MSIV 1-04. Unit entered Mode 4, 1RF09 in progress. |
| 11/15 | 0933 | Unit entered Mode 3, 1RF09 in progress. |
| 11/16 | 0322 | Unit entered Mode 2, 1RF09 in progress. |
| | 0434 | Reactor is critical, 1RF09 in progress. |
| | 1141 | Unit entered Mode 1, 1RF09 in progress. |
| | 1213 | Speed fluctuations during Turbine roll-up, Electro Hydraulic Control (EHC) tripped off. Manual turbine trip. Decision to enter Mode 2. |
| | 1323 | Unit entered Mode 2, investigating turbine EHC. |
| | 2036 | EHC repairs completed, Unit entered Mode 1, 1RF09 in progress. |
| | 2310 | Unit re-entered Mode 2, tripped main turbine due to primary water pump seal leak. |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/17 | 0240 | Normal plant shutdown, entered Mode 3 for primary water pump seal repairs. |
| | 2301 | Seal repairs complete, Unit entered Mode 2, 1RF09 in progress. |
| | 2324 | Unit reactor is critical. |
| 11/18 | 0520 | Unit entered Mode 1, 1RF09 in progress. |
| | 0816 | Unit synchronized to the grid, ending 1RF09 refueling outage. |
| | 1330 | Unit at 28% power. |
| 11/20 | 0317 | Unit commenced ramping to 45% power. |
| | 0745 | Unit holding at 45% power (QTPR). |
| | 1035 | Unit commenced ramping to 80% power. |
| 11/21 | 0135 | Unit stabilized at 80% power. |
| 11/23 | 1940 | Unit commenced downpower from 80%, due to damaged pressure seal on 1MS-0063 valve. |
| | 2127 | Normal plant shutdown, entered Mode 3. |
| 11/24 | 0158 | Unit entered Mode 4 cooldown to start repairs of 1MS-0063. |
| | 0506 | Unit is in Mode 5, preparations to start work on 1MS-0063. |
| 11/25 | 0915 | Repairs to 1MS-0063 complete, Unit entered Mode 4. |
| | 1743 | Unit entered Mode 3. |
| 11/26 | 1700 | Unit entered Mode 2. |
| | 1722 | Reactor critical but outside expected range for criticality projections. |
| | 2213 | Unit returned to Mode 3 due to criticality achieved outside of expected range. |
| 11/27 | 0135 | Unit entered Mode 2. |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|--|
| 11/27 | 0206 | Reactor critical. |
| 11/27 | 0443 | Unit in Mode 1. |
| | 0722 | Unit synchronized to grid. |
| | 2320 | Unit at 45% power. |
| 11/28 | 1816 | Unit commenced ramping to 82% power. |
| | 2000 | Unit at 83% power. |
| 11/29 | 0223 | Unit commenced ramping to 90% power. |
| | 1112 | Unit at full power. |
| 11/30 | 1412 | Unit dropped control rod (G13) reduced load. |
| | 1443 | Unit commenced downpower to 75% power. |
| | 1553 | Unit stable at 75% power. |
| | 1910 | Unit commenced downpower to 60% power. |
| | 2005 | Unit stable at 60% power. |
| | 2105 | Unit commenced downpower to 48% power. |
| | 2135 | Unit stable at 48% power. |
| | 2400 | Unit ended the month in Mode 1, at 48% power while trouble shooting the dropped control rod. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445
 UNIT: CPSES 1
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

REPORT MONTH: NOVEMBER 2002

| NO | DATE | TYPE F: FORCED S: SCHEDULED | DURATION* (HOURS) | REASON | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER | CORRECTIVE ACTION/COMMENTS |
|----|--------|-----------------------------------|----------------------|--------|--|---|
| 2b | 021101 | S | 416.27 | C | 4 | Started month in Mode 5 1RF09. 1RF09 concluded with synchronization to the grid on November 18, 2002, at 0816 hours. (See previous pages for additional details.) |
| 3 | 021123 | F | 81.92 | A | 1 | On November 20, 2002, the pressure seal was damaged for 1MS-0063, while performing a hot torque on the valve. A decision was made to take the unit off line and down to Mode 5 to perform repairs on the valve. On November 23, 2002, at 1940 hours, unit commenced shut down from 80% power and was taken off line at 2127 hours. Valve repairs were successful and on November 27, 2002, at 0722 hours, unit was synchronized back to the grid. The unit reached full power on November 29, 2002, at 1112 hours. (See previous pages for additional details.) |
| 4a | 021130 | F | | A | 4 | On November 30, at 1412 hours, reactor control rod G13 in shutdown bank B, unexpectedly dropped into the core. Unit ended the month investigating cause of failure. (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

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

AVERAGE DAILY POWER LEVEL

AVERAGE DAILY POWER LEVEL

| DAY | MWe-Net |
|-----|---------|
| 1 | 1144 |
| 2 | 1146 |
| 3 | 1145 |
| 4 | 1145 |
| 5 | 1145 |
| 6 | 1128 |
| 7 | 1060 |
| 8 | 1143 |
| 9 | 1144 |
| 10 | 1144 |
| 11 | 1145 |
| 12 | 1145 |
| 13 | 1144 |
| 14 | 1144 |
| 15 | 1144 |
| 16 | 1144 |

| DAY | MWe-Net |
|-----|---------|
| 17 | 1144 |
| 18 | 1145 |
| 19 | 1145 |
| 20 | 1146 |
| 21 | 1145 |
| 22 | 1146 |
| 23 | 1145 |
| 24 | 1144 |
| 25 | 1144 |
| 26 | 1144 |
| 27 | 1143 |
| 28 | 1143 |
| 29 | 1145 |
| 30 | 1146 |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 12/12/2002
COMPLETED BY: Herb Kenyon
TELEPHONE: 254-897-6382

MONTH: NOVEMBER 2002

| DAY | TIME | REMARK/MODE |
|-------|------|---|
| 11/01 | 0000 | Unit began the month at full power. |
| 11/06 | 2003 | Two of four turbine control valves went to full open, which resulted in a steam and feedwater mismatch. Power was reduced to 78% to troubleshoot. |
| 11/07 | 0307 | Swapped turbine control to EHC. Load reduced to 65% power. |
| | 0325 | Commenced power ramp to full power. |
| | 0930 | Unit at full power. |
| 11/30 | 2400 | Unit ended the month at full power. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446
 UNIT: CPSES 2
 DATE: 12/12/2002
 COMPLETED BY: Herb Kenyon
 TELEPHONE: 254-897-6382

REPORT MONTH: NOVEMBER 2002

| NO | DATE | TYPE F: FORCED S: SCHEDULED | DURATION* (HOURS) | REASON | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER | CORRECTIVE ACTION/COMMENTS |
|----|--------|-----------------------------------|----------------------|--------|--|--|
| 1 | 021106 | F | | A | 4 | On November 6, 2002, at 2003 hours, the control system for the Turbine Generator malfunctioned resulting in a load rejection. Operator action stabilized the unit, lowering power to 78% and ultimately to 65% to effect repairs. Repairs were completed and the unit returned to full power on November 7, 2002, at 0930 hours. (See previous page for additional details.) |

1) REASON

A: EQUIPMENT FAILURE (EXPLAIN)
 B: MAINT OR TEST
 C: REFUELING
 D: REGULATORY RESTRICTION

E: OPERATOR TRAINING AND LICENSE EXAMINATION
 F: ADMINISTRATIVE
 G: OPERATIONAL ERROR (EXPLAIN)
 H: OTHER (EXPLAIN)

2) METHOD

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

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