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April 15, 1993

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Group Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNITS 1 & 2
DOCKET NOS. 50-445 AND 50-446
MONTHLY OPERATING REPORT FOR MARCH 1993

Gentlemen:

Attached is the Monthly Operating Report for March 1993 prepared and submitted pursuant to Technical Specification 6.9.1.5 contained in Appendix A to the Comanche Peak Steam Electric Station Units 1 & 2 Operating License Nos. NPF-87 and NPF-89.

Sincerely,

William J. Cahill, Jr.

By:

A handwritten signature in cursive script, appearing to read "J. S. Marshall".

J. S. Marshall
Generic Licensing Manager

RC/rc
Attachment

c - Mr. J. L. Milhoan, Region IV
Mr. T. Reis, Region IV
Resident Inspectors, CPSES (2)
Mr. T. A. Bergman, NRR
Mr. B. E. Holian, NRR

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9304190271 930331
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400 N. Olive Street L.B. #1 Dallas, Texas 75201

Handwritten initials or a signature in the bottom right corner, possibly reading "J. S. Marshall" or similar.

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1
NRC MONTHLY OPERATING REPORT

| | |
|---------------|-----------------------|
| DOCKET NO: | <u>50-445</u> |
| UNIT: | <u>CPSES 1</u> |
| DATE: | <u>April 13, 1993</u> |
| COMPLETED BY: | <u>Janet Hughes</u> |
| TELEPHONE: | <u>817-897-5331</u> |

OPERATING STATUS

1. Reporting Period: MARCH 1993 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. Reasons for restriction (if any):

| | THIS MONTH | YR TO DATE | CUMULATIVE |
|--|-------------|-------------|--------------|
| 5. Number of hours reactor was critical | 744 | 2,120.4 | 17,639 |
| 6. Reactor reserve shutdown hours | 0 | 0 | 2,258.6 |
| 7. Hours generator on line | 744 | 2,104.8 | 17,263.3 |
| 8. Unit reserve shutdown hours | 0 | 0 | 0 |
| 9. Gross thermal energy generated (MWH) | 2,434,910.4 | 6,654,751.2 | 53,950,578.2 |
| 10. Gross electrical energy generated (MWH) | 824,119 | 2,257,917 | 17,893,082 |
| 11. Net electrical energy generated (MWH) | 790,014 | 2,159,900 | 17,002,276 |
| 12. Reactor Service factor | 100.0 | 98.2 | 76.4 |
| 13. Reactor availability factor | 100.0 | 98.2 | 86.2 |
| 14. Unit service factor | 100.0 | 97.4 | 74.8 |
| 15. Unit availability factor | 100.0 | 97.4 | 74.9 |
| 16. Unit capacity factor (Using MDC) | 92.3 | 87.0 | 64.1 |
| 17. Unit capacity factor (Using Design MWe) | 92.3 | 87.0 | 64.1 |
| 18. Unit forced outage rate | 0 | 2.6 | 7.3 |
| 19. Shutdowns scheduled over next 6 months (Type, Date, and Duration of each): | | | |

20. If shutdown at end of report period, estimated date of startup:

21. Units in test status (prior to commercial operation): ACHIEVED

Commercial Operation 900813

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-445
UNIT: CPSES 1
DATE: April 13, 1993
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH: MARCH 1993

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|----|------|
| 1 | 1104 |
| 2 | 1103 |
| 3 | 1102 |
| 4 | 1101 |
| 5 | 1102 |
| 6 | 1101 |
| 7 | 1101 |
| 8 | 1102 |
| 9 | 1102 |
| 10 | 1103 |
| 11 | 1101 |
| 12 | 1104 |
| 13 | 983 |
| 14 | 828 |
| 15 | 997 |
| 16 | 951 |

DAY AVERAGE DAILY POWER LEVEL
(MWe-Net)

| | |
|----|------|
| 17 | 952 |
| 18 | 893 |
| 19 | 621 |
| 20 | 1050 |
| 21 | 1102 |
| 22 | 1103 |
| 23 | 1103 |
| 24 | 1103 |
| 25 | 1104 |
| 26 | 1104 |
| 27 | 1102 |
| 28 | 1102 |
| 29 | 1097 |
| 30 | 1086 |
| 31 | 1086 |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

| | |
|---------------|----------------|
| DOCKET NO: | 50-445 |
| UNIT: | CPSES 1 |
| DATE: | April 13, 1993 |
| COMPLETED BY: | Janet Hughes |
| TELEPHONE: | 817-897-5331 |

MONTH: MARCH 1993

| | | |
|-------|------|--|
| 03/01 | 0000 | Unit started month in MODE 1. |
| 03/13 | 1109 | Experienced oscillations on MFP 1A, reduced power. |
| 03/17 | 0810 | Perform Injore/Excore Calibration of Nuclear Instruments while at reduced power due to MFP. |
| 03/18 | 2306 | Secured MFP 1A in preparation for troubleshooting and repair. |
| | | MFPT 1-A speed controller had intermittent failures causing speed oscillations. The problem was isolated to two components, an electronic controller card and an operation feedback transducer. Both were replaced on 3/19. MFPT 1A was returned to service with the speed oscillation problem resolved. |
| 03/20 | 1633 | Returned MFP 1A to service. |
| 03/31 | 2400 | Unit ended month in MODE 1. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-445
 UNIT: CPSES 1
 DATE: April 13, 1993
 COMPLETED BY: Janet Hughes
 TELEPHONE: 817-897-5331

REPORT MONTH MARCH 1993

| <u>NO.</u> | <u>DATE</u> | TYPE F:FORCED S:SCHEDULED | <u>DURATION</u> (HOURS) | <u>REASON</u> | METHOD OF SHUTTING DOWN THE REACTOR OR <u>REDUCING POWER</u> | <u>CORRECTIVE ACTIONS/COMMENTS</u> |
|------------|-------------|---------------------------------|----------------------------|---------------|---|---|
| 3 | 930313 | F | | A | 4 | Main Feedwater Pump 1A oscillations. See previous page. |

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)

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 2
NRC MONTHLY OPERATING REPORT

| | |
|---------------|----------------|
| DOCKET NO: | 50-446 |
| UNIT: | CPSES 2 |
| DATE: | April 13, 1993 |
| COMPLETED BY: | Janet Hughes |
| TELEPHONE: | 817-897-5331 |

OPERATING STATUS

- Reporting Period: MARCH 1993 Gross hours in reporting period: 744
- Currently authorized power level (MWt): 170 Max. depend. capacity (MWe-Net): 1150 * Design
Electrical Rating (MWe-Net): 1150
- Power level to which restricted (if any) (MWe-Net): 0
- Reasons for restriction (if any): Startup Phase - Low Power License

| | THIS MONTH | YR TO DATE | CUMULATIVE |
|--|--|------------|------------|
| 5. Number of hours reactor was critical | 171.2 | 171.2 | 171.2 |
| 6. Reactor reserve shutdown hours | 0 | 0 | 0 |
| 7. Hours generator on line | 0 | 0 | 0 |
| 8. Unit reserve shutdown hours | 0 | 0 | 0 |
| 9. Gross thermal energy generated (MWH) | 0 | 0 | 0 |
| 10. Gross electrical energy generated (MWH) | 0 | 0 | 0 |
| 11. Net electrical energy generated (MWH) | 0 | 0 | 0 |
| 12. Reactor Service factor | NA | NA | NA |
| 13. Reactor availability factor | NA | NA | NA |
| 14. Unit service factor | NA | NA | NA |
| 15. Unit availability factor | NA | NA | NA |
| 16. Unit capacity factor (Using MDC) | NA | NA | NA |
| 17. Unit capacity factor (Using Design MWe) | NA | NA | NA |
| 18. Unit forced outage rate | NA | NA | NA |
| 19. Shutdowns scheduled over next 6 months (Type, Date, and Duration of each): | Post ISU is scheduled to begin June 4, 1993, with a duration of 17 days. | | |
| 20. If shutdown at end of report period, estimated date of startup: | | | |
| 21. Units in test status (prior to commercial operation): | FORECAST | ACHIEVED | |

| | | |
|----------------------|---------------|-------------------|
| Initial Criticality | <u>930320</u> | <u>930324</u> |
| Initial Electricity | <u>930330</u> | <u> </u> |
| Commercial Operation | <u>930801</u> | <u> </u> |

* Estimated

AVERAGE DAILY UNIT POWER LEVEL

| | |
|---------------|----------------|
| DOCKET NO: | 50-446 |
| UNIT: | CPSES 2 |
| DATE: | April 13, 1993 |
| COMPLETED BY: | Janet Hughes |
| TELEPHONE: | 817-897-5331 |

MONTH: MARCH 1993

| 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 | 0 |
| 12 | 0 |
| 13 | 0 |
| 14 | 0 |
| 15 | 0 |
| 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 | 0 |

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

| | |
|---------------|-----------------------|
| DOCKET NO: | <u>50-446</u> |
| UNIT: | <u>CPSES 2</u> |
| DATE: | <u>April 13, 1993</u> |
| COMPLETED BY: | <u>Janet Hughes</u> |
| TELEPHONE: | <u>817-897-5331</u> |

MONTH: MARCH 1993

| | | |
|-------|------|---|
| 03/01 | 0000 | Unit started month in MODE 5. |
| 03/06 | 1101 | Unit entered MODE 4. |
| 03/11 | 0556 | Unit entered MODE 3. |
| 03/24 | 2042 | Reactor is critical. Unit entered MODE 2. |
| 03/31 | 2400 | Unit ended month in MODE 2. |

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-446
 UNIT: CPSES 2
 DATE: April 13, 1993
 COMPLETED BY: Janet Hughes
 TELEPHONE: 817-897-5331

REPORT MONTH MARCH 1993

| NO. | DATE | TYPE | | DURATION (HOURS) | REASON | METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER | CORRECTIVE ACTIONS/COMMENTS |
|-----|--------|----------|-------------|---------------------|--------|--|---|
| | | F:FORCED | S:SCHEDULED | | | | |
| | 930301 | | S | 744 | H | 4 | Unit in Startup Phase prior to initial electrical generation. |

1) REASON

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

E. OPERATOR TRAINING AND LICENSE EXAMINATION
 F: ADMINISTRATIVE
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2) METHOD

1: MANUAL
 2: MANUAL SCRAM
 3: AUTOMATIC SCRAM
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