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**TU**ELECTRIC

May 13, 1994

William J. Cahill, Jr.  
Group Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNITS 1 AND 2  
DOCKET NOS. 50-445 AND 50-446  
MONTHLY OPERATING REPORT FOR APRIL 1994

Gentlemen:

Attached is the Monthly Operating Report for April 1994 prepared and submitted pursuant to Technical Specification 6.9.1.5 contained in Appendix A to the Comanche Peak Steam Electric Station Units 1 and 2 Operating License Nos. NPF-87 and NPF-89, respectively.

Sincerely,

William J. Cahill, Jr.

By: J. S. Marshall

J. S. Marshall  
Generic Licensing Manager

JMK/jmk

Attachment

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

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

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: APRIL 1994 GROSS HOURS IN REPORTING PERIOD: 719
  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     | 719        | 2,832      | 25,371     |
| 6. REACTOR RESERVE SHUTDOWN HOURS           | 0          | 47         | 2,401      |
| 7. HOURS GENERATOR ON LINE                  | 719        | 2,828      | 24,921     |
| 8. UNIT RESERVE SHUTDOWN HOURS              | 0          | 0          | 0          |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)     | 2,446,370  | 9,534,365  | 79,284,170 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 820,540    | 3,203,931  | 26,339,188 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)   | 789,247    | 3,078,201  | 25,074,052 |
| 12. REACTOR SERVICE FACTOR                  | 100.0      | 98.4       | 77.9       |
| 13. REACTOR AVAILABILITY FACTOR             | 100.0      | 100.0      | 85.3       |
| 14. UNIT SERVICE FACTOR                     | 100.0      | 98.2       | 76.5       |
| 15. UNIT AVAILABILITY FACTOR                | 100.0      | 98.2       | 76.5       |
| 16. UNIT CAPACITY FACTOR (USING MDC)        | 95.5       | 93.0       | 67.0       |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 95.5       | 93.0       | 67.0       |
| 18. UNIT FORCED OUTAGE RATE                 | 0.0        | 1.8        | 5.6        |
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:
  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: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : APRIL 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1105	17	1103
2	1104	18	1103
3	1057	19	1103
4	1103	20	1101
5	1103	21	1100
6	1103	22	1098
7	1103	23	1099
8	1104	24	1100
9	1104	25	1099
10	1101	26	1100
11	1105	27	1100
12	1104	28	1102
13	1105	29	1101
14	1105	30	960
15	1105	31	
16	1104		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : APRIL 1994

DAY	TIME	REMARK/MODE
04/01	0000	Unit started month in MODE 1.
04/30	1235	During routine Turbine Valve cycling the High Pressure Stop Valve would not reopen.
	1520	Found and fixed loose wire on High Pressure Stop Valve. Retested satisfactorily.
	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

REPORT MONTH : APRIL 1994

NO	DATE	TYPE		DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F:FORCED	S:SCHEDULED				

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: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: APRIL 1994 GROSS HOURS IN REPORTING PERIOD: 719
  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     | 495        | 2,452      | 5,741      |
| 6. REACTOR RESERVE SHUTDOWN HOURS           | 224        | 427        | 754        |
| 7. HOURS GENERATOR ON LINE                  | 493        | 2,399      | 5,644      |
| 8. UNIT RESERVE SHUTDOWN HOURS              | 0          | 0          | 0          |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)     | 1,225,508  | 6,408,367  | 17,026,325 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 403,700    | 2,128,420  | 5,715,647  |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)   | 378,444    | 2,012,601  | 5,444,407  |
| 12. REACTOR SERVICE FACTOR                  | 68.8       | 85.2       | 88.4       |
| 13. REACTOR AVAILABILITY FACTOR             | 100.0      | 100.0      | 100.0      |
| 14. UNIT SERVICE FACTOR                     | 83.3       | 83.3       | 86.9       |
| 15. UNIT AVAILABILITY FACTOR                | 68.5       | 83.3       | 86.9       |
| 16. UNIT CAPACITY FACTOR (USING MDC)        | 45.8       | 60.8       | 72.9       |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 45.8       | 60.8       | 72.9       |
| 18. UNIT FORCED OUTAGE RATE                 | 0.0        | 9.6        | 5.2        |
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) :  
Refueling Outage scheduled to begin September 15, 1994 with an estimated duration of 70 days.
  20. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP: 05/22/1994
  21. UNITS IN TEST STATUS (PRIOR TO COMMERCIAL OPERATION): ACHIEVED  
COMMERCIAL OPERATION 930803

\* ESTIMATED

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : APRIL 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	823	17	784
2	780	18	782
3	755	19	785
4	783	20	786
5	784	21	272
6	782	22	0
7	784	23	0
8	784	24	0
9	783	25	0
10	784	26	0
11	784	27	0
12	785	28	0
13	784	29	0
14	786	30	0
15	787	31	
16	784		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-416  
UNIT: CPSES 2  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : APRIL 1994

DAY	TIME	REMARK/MODE
04/01	0000	Unit started month in MODE 1. Unit at 73% power, operating at reduced power for cycle optimization purposes.
04/21	0215	Commenced down power to begin Mid-Cycle Outage.
	1335	At approximately 15% power, while the Main Turbine was being transferred from load control to speed control, unit experienced Turbine load swings of approximately 50 to 60 MWe. The Turbine was manually tripped.
	1338	Unit entered MODE 2.
	1550	Unit entered MODE 3.
04/22	0014	While performing scheduled testing on the Solid State Protection System (SSPS) Train B and with shutdown rods still withdrawn, a Reactor Trip signal was generated due to a spike on a nuclear instrumentation source range channel. Shutdown rods automatically inserted on the Reactor Trip signal. LER 446/94-004 to be submitted.
	2107	Unit entered MODE 4.
04/23	1341	Unit entered MODE 5.
04/30	2400	Unit ended month in MODE 5 during Mid-Cycle Outage.



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 05/12/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

REPORT MONTH : APRIL 1994

NO	DATE	TYPE		DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F:FORCED	S:SCHEDULED				
6	940421	S		226.42	B	1	Mid-Cycle Outage.

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)