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June 15, 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 MAY 1994

Gentlemen:

Attached is the Monthly Operating Report for May 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: D. R. Woodlan  
D. R. Woodlan  
Docket 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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JEH

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

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: MAY 1994 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     | 744        | 3,576      | 26,115     |
| 6. REACTOR RESERVE SHUTDOWN HOURS           | 0          | 47         | 2,401      |
| 7. HOURS GENERATOR ON LINE                  | 744        | 3,572      | 25,665     |
| 8. UNIT RESERVE SHUTDOWN HOURS              | 0          | 0          | 0          |
| 9. GROSS THERMAL ENERGY GENERATED (MWH)     | 2,459,700  | 11,994,065 | 81,743,870 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 824,769    | 4,028,700  | 27,163,957 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH)   | 791,188    | 3,869,389  | 25,865,240 |
| 12. REACTOR SERVICE FACTOR                  | 100.0      | 98.7       | 78.4       |
| 13. REACTOR AVAILABILITY FACTOR             | 100.0      | 100.0      | 85.6       |
| 14. UNIT SERVICE FACTOR                     | 100.0      | 98.6       | 77.1       |
| 15. UNIT AVAILABILITY FACTOR                | 100.0      | 98.6       | 77.1       |
| 16. UNIT CAPACITY FACTOR (USING MDC)        | 92.5       | 92.9       | 67.5       |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 92.5       | 92.9       | 67.5       |
| 18. UNIT FORCED OUTAGE RATE                 | 0.0        | 1.4        | 5.5        |
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: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : MAY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1102	17	1059
2	1102	18	1100
3	1103	19	1100
4	1103	20	1100
5	1102	21	1100
6	1102	22	1099
7	1102	23	1100
8	1101	24	1100
9	1102	25	1100
10	1101	26	1099
11	1101	27	1099
12	1102	28	1099
13	1102	29	1098
14	691	30	1098
15	585	31	1098
16	918		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : MAY 1994

DAY	TIME	REMARK/MODE
05/01	0000	Unit started month in MODE 1 with 100% reactor power.
05/10	0720	Control Room missile shield door will not close due to broken latching mechanism. Unit entered Technical Specification 3.0.3. LER 445/94-002-00 submitted.
	0737	Control Room missile shield door closed and locked.
05/14	0353	As a precautionary measure, reduced power to approximately 56% to troubleshoot and repair Main Feedwater Pump Turbine 1A Solenoid Valve tubing oil leak.
05/31	2400	Unit ended month in MODE 1 with 100% reactor power.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

REPORT MONTH : MAY 1994

NO	DATE	TYPE		DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F:FORCED	S:SCHEDULED				
5	940514	F		0.00	A	4	Main Feedwater Pump Turbine 1A Solenoid Valve tubing oil leak. A precautionary reduction in power to troubleshoot and repair. Replaced the solenoid valve tubing. Replaced also four solenoid valves due to the oil fouling from the leak.

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: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: MAY 1994 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 |
|--|------------|------------|------------|
|--|------------|------------|------------|
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: 06/17/1994
  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: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : MAY 1994

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

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

MONTH : MAY 1994

DAY	TIME	REMARK/MODE
05/01	0000	Unit started month in MODE 5 during Mid-Cycle Outage. <u>MID-CYCLE OUTAGE MAJOR WORK SCOPE</u> - Completed Emergency Diesel Generator A teardown and inspection. - Inspection of the Iso-Phase Bus was performed following an extended period of elevated temperatures. No major damage was discovered, but some minor repairs were performed. - Main Turbine Control Valve was slow in opening. Disassembled and discovered there was some galling. Repaired and reassembled. - Train A Integrated Test Sequence (ITS) and Emergency Diesel Generator A load run. - Replaced Circulating Water intake expansion joints.
05/22	0000	Ended planned Mid-Cycle Outage, began forced outage due to repairs to both trains of the Containment Spray System. Pump vibration caused welds in some small bore piping branch connections to experience fatigue cracking. Repairs to welds, additional pipe supports and extensive vibration testing is being done.
05/31	2400	Unit ended month in MODE 5.



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 06/13/1994  
COMPLETED BY: Janet Hughes  
TELEPHONE: 817-897-5331

REPORT MONTH : MAY 1994

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
7	940501	S	004.00	H	1	Mid-Cycle Outage.
8	940522	F	240.00	A	4	Containment Spray System cracked welds in piping connections. (See previous page.) LER 446/94-005-00 to be submitted.

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)