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December 13, 1996

C. Lance Terry  
Group Vice President

U. S. Nuclear Regulatory Commission  
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Washington, DC 20555

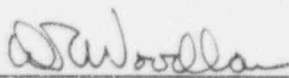
SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES)  
DOCKET NOS. 50-445 AND 50-446  
MONTHLY OPERATING REPORT FOR NOVEMBER 1996

Gentlemen:

Attached is the Monthly Operating Report for November 1996, 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. Should you have any questions, please contact Jacob M. Kulangara at (817) 897-0124.

Sincerely,

C. L. Terry

By:   
D. R. Woodlan  
Docket Licensing Manager

JMK/jmk  
Attachment

cc: Mr. L. J. Callan, Region IV  
Mr. J. I. Tapia, Region IV  
Mr. T. J. Polich, NRR  
Resident Inspectors

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COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1

NRC MONTHLY OPERATING REPORT

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 897-5793

OPERATING STATUS

1. REPORTING PERIOD:	NOVEMBER 1996	GROSS HOURS IM REPORTING PERIOD:	720
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	372	6,599	45,350
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	2,604
7. HOURS GENERATOR ON LINE	339	6,521	44,710
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	957,662	21,488,085	144,913,338
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	319,506	7,260,458	48,326,661
11. NET ELECTRICAL ENERGY GENERATED (MWH)	294,453	6,928,035	46,095,228
12. REACTOR SERVICE FACTOR	51.7	82.1	82.1
13. REACTOR AVAILABILITY FACTOR	51.7	82.1	86.8
14. UNIT SERVICE FACTOR	47.0	81.1	80.9
15. UNIT AVAILABILITY FACTOR	47.0	81.1	80.9
16. UNIT CAPACITY FACTOR (USING MDC)	35.6	74.9	72.6
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	35.6	74.9	72.6
18. UNIT FORCED OUTAGE RATE	0.0	7.0	4.8
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: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 817/897-5793

MONTH: NOVEMBER 1996

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	194
18	265
19	596
20	859
21	861
22	991
23	1115
24	1114
25	1114
26	1114
27	1114
28	1113
29	1117
30	1114
31	

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 817/897-5793

MONTH: NOVEMBER 1996

DAY	TIME	REMARK/MODE
11/01	0000	Unit began the month in MODE 6; refueling outage 1RF05 continued.
11/03	0333	Unit entered MODE 5.
11/11	0636	Unit entered MODE 4.
11/12	2210	Unit entered MODE 3.
11/15	0929	Unit entered MODE 2.
	1137	Reactor critical.
11/16	2046	Unit entered MODE 1.
	2122	Unit synchronized main generator to the grid.
11/22	1810	Unit at 100% power.
11/30	2400	Unit ended the month at 100% power.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445  
UNIT: CPSES 1  
DATE: 12/10/96  
COMPLETED BY: Mark Samuel  
TELEPHONE: 817-897-5793

REPORT MONTH: NOVEMBER 1996

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
9	961101	S	381.4	C	1	Unit continued IRF05 Refueling Outage. Unit completed the outage and returned to power on 11/16/96. (See additional information on 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: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 817/897-5793

OPERATING STATUS

1. REPORTING PERIOD:	NOVEMBER 1996	GROSS HOURS IN REPORTING PERIOD:	720
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	720	6,193	23,737
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	2,229
7. HOURS GENERATOR ON LINE	720	6,168	23,490
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	2,449,903	20,205,067	75,767,978
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	837,815	6,827,208	25,531,829
11. NET ELECTRICAL ENERGY GENERATED (MWH)	806,956	6,541,635	24,399,993
12. REACTOR SERVICE FACTOR	100.0	77.0	81.4
13. REACTOR AVAILABILITY FACTOR	100.0	77.0	89.0
14. UNIT SERVICE FACTOR	100.0	76.7	80.5
15. UNIT AVAILABILITY FACTOR	100.0	76.7	80.5
16. UNIT CAPACITY FACTOR (USING MDC)	97.5	70.8	72.7
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	97.5	70.8	72.7
18. UNIT FORCED OUTAGE RATE	0.0	8.8	7.7
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):	NONE		
20. IF SHUTDOWN AT END OF REPORTING PERIOD, ESTIMATED DATE OF STARTUP:			
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: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 817/897-2265

MONTH: NOVEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1118
2	1122
3	1124
4	1122
5	1122
6	1122
7	1122
8	1123
9	1124
10	1123
11	1124
12	1124
13	1122
14	1124
15	1123
16	1123

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1124
18	1125
19	1124
20	1125
21	1124
22	1123
23	1124
24	1123
25	1123
26	1124
27	1123
28	1125
29	1118
30	1054
31	

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 12/11/96  
COMPLETED BY: MARK SAMUEL  
TELEPHONE: 817/897-5793

MONTH: NOVEMBER 1996

DAY	TIME	REMARK/MODE
11/01	0000	Unit began the month at 100% power.
11/30	2400	Unit ended the month at 100% power.



UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446  
UNIT: CPSES 2  
DATE: 12/11/96  
COMPLETED BY: Mark Samuel  
TELEPHONE: 817-897-5793

REPORT MONTH: NOVEMBER 1996

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
						NONE

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)