



Log # TXX-96482
File # 10010.2
Ref. # 10CFR50.36

October 15, 1996

TU ELECTRIC

C. Lance Terry
Group Vice President

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

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

Gentlemen:

Attached is the Monthly Operating Report for September 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:

Roger D. Walker
Regulatory Affairs Manager

JMK/jmk
Attachment

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

9610220371 960930
PDR ADOCK 05000445
R PDR

220103

IE241/

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

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

OPERATING STATUS

1. REPORTING PERIOD:	SEPTEMBER 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	6,127	44,878
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	2,604
7. HOURS GENERATOR ON LINE	720	6,083	44,272
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	2,449,157	20,211,833	143,637,085
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	818,306	6,833,706	47,899,909
11. NET ELECTRICAL ENERGY GENERATED (MWH)	785,257	6,535,569	45,702,762
12. REACTOR SERVICE FACTOR	100.0	93.2	83.5
13. REACTOR AVAILABILITY FACTOR	100.0	93.2	88.3
14. UNIT SERVICE FACTOR	100.0	92.5	82.3
15. UNIT AVAILABILITY FACTOR	100.0	92.5	82.3
16. UNIT CAPACITY FACTOR (USING MDC)	94.8	86.4	73.9
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	94.8	86.4	73.9
18. UNIT FORCED OUTAGE RATE	0.0	7.5	4.9
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH):			
Refueling outage (1RFO5) began on October 4, 1996 with an estimated duration of 44 Days.			
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: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

MONTH: SEPTEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1010
2	1091
3	1091
4	1091
5	1091
6	1090
7	1089
8	1088
9	1088
10	1089
11	1088
12	1090
13	1087
14	1087
15	1089
16	1092

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1092
18	1093
19	1093
20	1095
21	1097
22	1098
23	1097
24	1098
25	1101
26	1098
27	1100
28	1102
29	1102
30	1102

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

MONTH: SEPTEMBER 1996

DAY	TIME	REMARK/MODE
09/01	0000	Unit began the month at 80% power for performance of routine turbine stop and control valve testing.
	1040	Unit returned to 100% power.
09/30	2400	Unit ended the month at 100% power.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

REPORT MONTH: SEPTEMBER 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)

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

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

OPERATING STATUS

1. REPORTING PERIOD:	SEPTEMBER 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	685	4,775	22,319
6. REACTOR RESERVE SHUTDOWN HOURS	0	0	2,229
7. HOURS GENERATOR ON LINE	655	4,734	22,056
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	2,011,807	15,401,212	70,964,123
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	671,025	5,188,663	23,893,284
11. NET ELECTRICAL ENERGY GENERATED (MWH)	638,507	4,968,005	22,826,363
12. REACTOR SERVICE FACTOR	95.1	72.6	80.5
13. REACTOR AVAILABILITY FACTOR	95.1	72.6	88.6
14. UNIT SERVICE FACTOR	90.9	72.0	79.6
15. UNIT AVAILABILITY FACTOR	90.9	72.0	79.6
16. UNIT CAPACITY FACTOR (USING MDC)	77.1	65.7	71.6
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	77.1	65.7	71.6
18. UNIT FORCED OUTAGE RATE	9.1	10.6	8.0
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:			
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: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

MONTH: SEPTEMBER 1996

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1110
2	1109
3	1109
4	1109
5	1108
6	1107
7	1106
8	1106
9	1105
10	1105
11	1105
12	1105
13	1103
14	1104
15	1104
16	1105

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1105
18	574
19	0
20	0
21	175
22	542
23	516
24	516
25	516
26	603
27	1093
28	1117
29	1117
30	1116

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

MONTH: SEPTEMBER 1996

DAY	TIME	REMARK/MODE
09/01	0000	Unit started the month at 100% power.
09/18	1245	Unit tripped after a reactor coolant system instrument spike that resulted from a lightning strike. Unit entered Mode 3.
09/20	2257	Commenced reactor startup.
	2351	Unit in Mode 2. Reactor entered criticality.
09/21	0517	Unit entered Mode 1.
	0608	Unit synchronized to the grid; unit began ramping up power.
09/22	0354	Unit held at 61% power due to high bearing temperature of Heater Drain Pump 2-02. Began overhaul of Heater Drain Pump 2-02.
	1407	Reduced power to 56% due to Main Feedwater Pump 2-01 high bearing temperature. Power maintained at 56% to repair the bearing on the Main Feedwater Pump. Also during this time Turbine Plant Cooling Water Pump 2-02 was realigned to resolve high bearing temperature on this pump.
09/26	1650	Repairs completed on all pumps and initiated unit ramp up.
09/27	0553	Unit achieved 100% power.
09/30	2400	Unit ended the month at 100% power.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 10/ 7/96
COMPLETED BY: Mark Samuel
TELEPHONE: 817-897-5793

REPORT MONTH: SEPTEMBER 1996

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
8	960918	F	65.4	H	3	Reactor tripped due to lightning strike causing reactor coolant system instrument spike. Reference: LER 446/96-006.
9	960922	F		A	4	While ramping up, held power at 61% due to Heater Drain Pump 2-02 high bearing temperature. Reduced power level to 56% due to high bearing temperature on Main Feedwater Pump 2-01. Continued the power ramp up after completing all the pump repairs. 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)