

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

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

**OPERATING STATUS**

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

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of hours reactor was critical	719	2,839.4	18,358
6. Reactor reserve shutdown hours	0	0	2,258.6
7. Hours generator on line	719	2,823.8	17,982.3
8. Unit reserve shutdown hours	0	0	0
9. Gross thermal energy generated (MWH)	2,326,877	8,981,628	56,277,455
10. Gross electrical energy generated (MWH)	766,050	3,016,161	18,651,326
11. Net electrical energy generated (MWH)	733,348	2,885,442	17,727,818
12. Reactor Service factor	100.0	98.6	77.1
13. Reactor availability factor	100.0	98.6	86.6
14. Unit service factor	100.0	98.1	75.6
15. Unit availability factor	100.0	98.1	75.6
16. Unit capacity factor (Using MDC)	88.7	87.2	64.8
17. Unit capacity factor (Using Design MWe)	88.7	87.2	64.8
18. Unit forced outage rate	0	1.9	7.0
19. Shutdowns scheduled over next 6 months (Type, Date, and Duration of each):	Refueling Outage Number		
3 is scheduled to begin October 8, 1993, with a duration of 52 days.			
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

\* Estimated

9305180400 930514  
 PDR ADDCK 05000445  
 R PDR

AVERAGE DAILY UNIT POWER LEVEL

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MONTH: APRIL 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1086	17	1032
2	1085	18	656
3	903	19	449
4	1037	20	732
5	1084	21	992
6	1084	22	1047
7	1085	23	1068
8	1084	24	1097
9	1092	25	1101
10	1079	26	1100
11	1087	27	1102
12	1086	28	1103
13	1085	29	1100
14	1084	30	1094
15	1079	31	
16	843		

## SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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MONTH: APRIL 1993

04/01	0000	Unit started month in MODE 1, with turbine load reduced approximately 15 Megawatts due to a failure of MSR Drain Tank Level Control Valve (1-LV-2704A). Troubleshooting showed problem to be internal to the valve.
04/16	0445	Removed MSRs from service to perform maintenance on MSR Drain Tank Normal Level Control Valve.
04/17	2000	Feedwater pump (FWP) 1A lube oil pressure regulator failed to maintain the required pressure for turbine bearing lube oil.
04/18	0500	Unit load was reduced to 630 Megawatts electric to remove FWPT 1A from service to perform corrective maintenance. FWP Turbine 1A was returned to service with the pressure regulator operating properly.
	1345	Reduced power to 530 Megawatts electric to allow Axial Flux Difference penalty to clear as required by Unit Technical Specifications.
04/20	1800	During power ascention a failed weld in an extraction steam drip pot required both strings of high pressure heaters to be taken out of service. Upon repair, the unit was returned to full power.
04/30	2400	Unit ended month in MODE 1 with a power reduction in progress from 100 percent of rated thermal power in preparation for surveillance testing.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO:	50-445
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REPORT MONTH APRIL 1993

NO.	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
4	930416	F		B	4	MSRs removed from service and the failed valve internals were replaced.
5	930418	F		B	4	FWPT 1A was removed from service to repair lube oil pressure regulator.
6	930418	F		A	4	Unit load was reduced to allow Axial Flux Difference penalty to clear as required by Unit Technical Specifications.
7	930420	F		A	4	A failed weld in an extraction steam drip pot required both strings of high pressure heaters to be taken out of service and repaired.

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:	May 13, 1993
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

OPERATING STATUS

- Reporting Period: APRIL 1993 Gross hours in reporting period: 508 (from Generator Synchronization)
- Currently authorized power level (MWt): 3411 Max. depend. capacity (MWe-Net): 1150 \* Design  
Electrical Rating (MWe-Net): 1150
- Power level to which restricted (if any) (MWe-Net): None
- Reasons for restriction (if any):

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of hours reactor was critical	508	508	508
6. Reactor reserve shutdown hours	0	0	0
7. Hours generator on line	508	508	508
8. Unit reserve shutdown hours	0	0	0
9. Gross thermal energy generated (MWH)	665,234.4	665,234.4	665,234.4
10. Gross electrical energy generated (MWH)	168,070	168,070	168,070
11. Net electrical energy generated (MWH)	139,519	139,519	139,519
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

- 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.

- 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>930409</u>
Commercial Operation	<u>930801</u>	<u>          </u>

\* Estimated

AVERAGE DAILY UNIT POWER LEVEL

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TELEPHONE: 817-897-5331

MONTH: APRIL 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0	17	251
2	0	18	417
3	0	19	347
4	0	20	422
5	0	21	427
6	0	22	423
7	0	23	430
8	0	24	429
9	0	25	420
10	34	26	272
11	62	27	354
12	80	28	394
13	125	29	411
14	175	30	414
15	162	31	
16	201		

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MONTH: APRIL 1993

04/01	0000	Unit started month in MODE 2.
04/06	1934	Unit entered MODE 1.
04/09	2003	Initial Generator Synchronization to grid.
04/18	2245	Troubleshooting on Condensate Pump motor high thrust bearing temperature.
04/26	0819	Steam Dump Testing in accordance with the initial startup test sequence.
04/30	0300	Additional Steam Dump Testing.
	2400	Unit ended month in MODE 1.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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1	930418	F		B	4	Troubleshooting on Condensate Pump motor.
2	930426	S		B	4	Steam Dump Testing
3	930430	S		B	4	Additional Steam Dump Testing

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)  
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2) METHOD

1: MANUAL  
 2: MANUAL SCRAM  
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 4: OTHER (EXPLAIN)