

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

DOCKET NO:	50-445
UNIT:	CPSES 1
DATE:	August 11, 1993
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

**OPERATING STATUS**

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

	THIS MONTH	YR TO DATE	CUMULATIVE
5. Number of hours reactor was critical	744	5,022	20,540
6. Reactor reserve shutdown hours	0	65	2,324
7. Hours generator on line	744	4,998	20,156
8. Unit reserve shutdown hours	0	0	0
9. Gross thermal energy generated (MWH)	2,534,069	16,249,946	63,545,773
10. Gross electrical energy generated (MWH)	846,814	5,447,683	21,082,848
11. Net electrical energy generated (MWH)	810,578	5,210,937	20,053,313
12. Reactor Service factor	100.0	98.7	79.0
13. Reactor availability factor	100.0	100.0	87.9
14. Unit service factor	100.0	98.3	77.5
15. Unit availability factor	100.0	98.3	77.5
16. Unit capacity factor (Using MDC)	94.7	89.1	67.1
17. Unit capacity factor (Using Design MWe)	94.7	89.1	67.1
18. Unit forced outage rate	0	1.8	6.4
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 nominal duration of 70 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

9308180152 930810  
PDR ADDCK 05000445  
R PDR

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO: 50-445  
UNIT: CPSES 1  
DATE: August 11, 1993  
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MONTH: JULY 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1113	17	1092
2	1102	18	1090
3	1102	19	1089
4	1102	20	1089
5	1048	21	1087
6	1096	22	1087
7	1095	23	1080
8	1096	24	1088
9	1091	25	1086
10	1059	26	1087
11	1093	27	1087
12	1095	28	1088
13	1086	29	1092
14	1101	30	1083
15	1094	31	1087
16	1093		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO:	<u>50-445</u>
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MONTH: JULY 1993

07/01      0000      Unit started month in MODE 1.

07/31      2400      Unit ended month in MODE 1.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO: 50-445  
 UNIT: CPSES 1  
 DATE: August 11, 1993  
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REPORT MONTH JULY 1993

NO.	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
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## 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:	August 11, 1993
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

OPERATING STATUS

- Reporting Period: JULY 1993 Gross hours in reporting period: 744
- 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	628	1,462	1,462
6. Reactor reserve shutdown hours	116	1,254	1,254
7. Hours generator on line	519	1,355	1,355
8. Unit reserve shutdown hours	0	0	0
9. Gross thermal energy generated (MWH)	1,398,238	2,563,325	2,563,325
10. Gross electrical energy generated (MWH)	454,120	774,800	774,800
11. Net electrical energy generated (MWH)	421,120	689,907	689,907
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
19. Shutdowns scheduled over next 6 months (Type, Date, and Duration of each):	None		

- 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>930803</u>

\* Estimated

AVERAGE DAILY UNIT POWER LEVEL

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TELEPHONE:	817-897-5331

MONTH: JULY 1993

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	0
2	0
3	0
4	0
5	0
6	0
7	0
8	202
9	637
10	833
11	842
12	844
13	831
14	838
15	873
16	987

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
17	1025
18	1100
19	747
20	667
21	974
22	1102
23	1102
24	1102
25	1104
26	919
27	961
28	0
29	0
30	14
31	341



SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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MONTH: JULY 1993

07/01	0000	Unit started month in MODE 3. Returning from outage for Major Surveillance Testing.
07/03	1557	Unit entered MODE 2.
	1630	Reactor is critical.
07/07	1600	Unit entered MODE 1.
	1641	Unit synchronized to the grid.
07/15	1230	Performed Calorimetric and recommenced Initial Startup Testing.
07/18	2241	Excessive pressure drop across Heater Drain Pump Suction Strainer as a result of startup debris. Strainer was cleaned and Heater Drains returned to service.
07/26	1000	50% Load Reduction Test conducted from 100% Rated Thermal Power.
07/27	0019	Restored to 100% power.
	2055	100% Load Rejection Test. Unit entered MODE 3 following manual reactor trip.
07/29	2332	Unit entered MODE 2.
07/30	0009	Reactor is critical.
	1217	Unit entered MODE 1.
	1300	Unit synchronized to the grid.
07/31	2400	Unit ended month in MODE 1.

## UNIT SHUTDOWNS AND POWER REDUCTIONS

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REPORT MONTH JULY 1993

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10	930701	S	160.68	B	1	Major Surveillance Testing.
11	930718	F	0	A	4	Excessive pressure drop across Heater Drain Pump Suction Strainer as a result of startup debris. Strainer was cleaned and Heater Drains returned to service.
12	930726	S	0	B	4	50% Load Reduction Test from 100% Power Plateau.
13	930727	S	64.08	B	1	100% Load Rejection Test from 100% Power Plateau.

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E: OPERATOR TRAINING AND LICENSE EXAMINATION  
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2) METHOD  
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