

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

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 02/14/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: JANUARY 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 | 744 | 23,283 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 0 | 0 | 2,354 |
| 7. HOURS GENERATOR ON LINE | 744 | 744 | 22,837 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 2,536,090 | 2,536,090 | 72,285,895 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 854,089 | 854,089 | 23,989,346 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 821,112 | 821,112 | 22,816,963 |
| 12. REACTOR SERVICE FACTOR | 100.0 | 100.0 | 76.5 |
| 13. REACTOR AVAILABILITY FACTOR | 100.0 | 100.0 | 84.3 |
| 14. UNIT SERVICE FACTOR | 100.0 | 100.0 | 75.1 |
| 15. UNIT AVAILABILITY FACTOR | 100.0 | 100.0 | 75.1 |
| 16. UNIT CAPACITY FACTOR (USING MDC) | 96.0 | 96.0 | 65.2 |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 96.0 | 96.0 | 65.2 |
| 18. UNIT FORCED OUTAGE RATE | 0.0 | 0.0 | 5.9 |
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
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MONTH : JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1105	17	1099
2	1105	18	1102
3	1105	19	1105
4	1104	20	1105
5	1104	21	1107
6	1104	22	1105
7	1104	23	1105
8	1103	24	1106
9	1103	25	1105
10	1104	26	1105
11	1105	27	1106
12	1111	28	1106
13	1098	29	1102
14	1105	30	1105
15	1076	31	1105
16	1110		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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MONTH : JANUARY 1994

DAY	TIME	REMARK/MODE
01/01	0000	Unit started month in MODE 1.
01/08	2245	Protection inverter IV1PC1 failed. Instrument bus re-energized from alternate power.
01/09	1808	Inverter IV1PC1 returned to OPERABLE status following replacement of failed resistor.
01/31	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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REPORT MONTH : JANUARY 1994

NO	DATE	TYPE		DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F:FORCED	S:SCHEDULED				

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: 02/14/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: JANUARY 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 | 744 | 4,033 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 0 | 0 | 327 |
| 7. HOURS GENERATOR ON LINE | 744 | 744 | 3,989 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 2,471,383 | 2,471,383 | 13,089,341 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 840,410 | 840,410 | 4,427,637 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 808,488 | 808,488 | 4,240,294 |
| 12. REACTOR SERVICE FACTOR | 100.0 | 100.0 | 92.5 |
| 13. REACTOR AVAILABILITY FACTOR | 100.0 | 100.0 | 100.0 |
| 14. UNIT SERVICE FACTOR | 100.0 | 100.0 | 91.5 |
| 15. UNIT AVAILABILITY FACTOR | 100.0 | 100.0 | 91.5 |
| 16. UNIT CAPACITY FACTOR (USING MDC) | 94.5 | 94.5 | 84.6 |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 94.5 | 94.5 | 84.6 |
| 18. UNIT FORCED OUTAGE RATE | 0.0 | 0.0 | 1.4 |
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

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MONTH : JANUARY 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1120	17	1118
2	1120	18	1097
3	1118	19	1092
4	1118	20	1095
5	1121	21	1070
6	1119	22	1096
7	1119	23	1100
8	1120	24	1100
9	1121	25	1101
10	1120	26	1099
11	1119	27	1100
12	1121	28	1095
13	1120	29	873
14	1120	30	867
15	1121	31	870
16	1118		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

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MONTH : JANUARY 1994

DAY	TIME	REMARK/MODE
01/01	0000	Unit started month in MODE 1.
01/06		The electric governor, governor booster servo motor, motor operated potentiometer and normal voltage regulator for Unit 2 Emergency Diesel Generator (EDG) - 2-01 was replaced. The diesel generator had experienced failures on two occasions. See Special Reports 2-SR-93-004 and 2-SR-94-001.
01/19	1500	Due to intermittent problems associated with Turbine Spc input to electro-hydraulic control (EHC) causing minor turbine load swings, reduced power to 98% with EHC at 98% and mechanical hydraulic control (MHC) at 100%. With MHC at 100%, an upward load swing would be limited by the MHC control system and maintained at 100%.
01/29	0600	Commenced operation at 80% power for fuel cycle optimization purposes.
01/31	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

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NO	DATE	TYPE		DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
		F:FORCED	S:SCHEDULED				
1	940129	S		0.00	H	4	Fuel cycle optimization purposes.

1) REASON

- A: EQUIPMENT FAILURE (EXPLAIN)
- B: MAINT OR TEST
- C: REFUELING
- D: REGULATORY RESTRICTION

- E: OPERATOR TRAINING AND LICENSE EXAMINATION
- F: ADMINISTRATIVE
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2) METHOD

- 1: MANUAL
- 2: MANUAL SCRAM
- 3: AUTOMATIC SCRAM
- 4: OTHER (EXPLAIN)