TUELECTRIC

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April 15, 1994

William J. Cahill, Jr.
Group Vice President

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

SUBJECT: COMANCHE PEAK STEAM ELECTRIC STATION (CPSES) - UNITS 1 AND 2
DOCKET NOS. 50-445 AND 50-446
MONTHLY OPERATING REPORT FOR MARCH 1994

Gentlemen:

Attached is the Monthly Operating Report for March 1994 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.

Sincerely,

William J. Cahill, Jr.

By: J S Marshall

J. S. Marshall
Generic Licensing Manager

JMK/jmk

Attachment

c - Mr. L. J. Callan, Region IV
Mr. T. Reis, Region IV
Resident Inspectors, CPSES (2)
Mr. T. A. Bergman, NRR

JE24 1/1

COMANCHE PEAK STEAM ELECTRIC STATION, UNIT 1

NRC MONTHLY OPERATING REPORT

DOCKET NO.:	50-445
UNIT:	CPSES 1
DATE:	04/13/1994
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: MARCH 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	2,113	24,652
6.	REACTOR RESERVE SHUTDOWN HOURS	0	47	2,401
7.	HOURS GENERATOR ON LINE	744	2,109	24,202
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	CROSS THERMAL ENERGY GENERATED (MWH)	2,490,775	7,088,995	76,838,800
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	836,539	2,383,391	25,518,648
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	804,328	2,288,954	24,284,805
12.	REACTOR SERVICE FACTOR	100.0	97.8	77.4
13.	REACTOR AVAILABILITY FACTOR	100.0	100.0	85.0
14.	UNIT SERVICE FACTOR	100.0	97.6	76.0
15.	UNIT AVAILABILITY FACTOR	100.0	97.6	76.0
16.	UNIT CAPACITY FACTOR (USING MDC)	94.0	92.1	66.3
17.	UNIT CAPACITY FACTOR (USING DESIGN MWe)	94.0	92.1	66.3
18.	UNIT FORCED OUTAGE RATE	0.0	2.4	5.8

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: 04/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : MARCH 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1105	17	1105
2	1104	18	1100
3	1106	19	893
4	1105	20	951
5	1105	21	996
6	1105	22	1027
7	1105	23	1009
8	1103	24	1104
9	1104	25	1101
10	1104	26	1052
11	1104	27	1090
12	1104	28	1103
13	1105	29	1103
14	1105	30	1104
15	1105	31	1104
16	1104		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.:	50-445
UNIT:	CPSES 1
DATE:	04/13/1994
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

MONTH : MARCH 1994

DAY	TIME	REMARK/MODE
03/01	0000	Unit started month in MODE 1.
03/18	2315	Feedwater Heater Valve 1CO-0122 lifted and would not reseat. Reduced power to 87% until Heater Relief valve fixed.
03/20	2128	A Unit Turbine runback to approximately 70% power due to loss of Heater Drain Pump 1-01. Maintenance personnel were troubleshooting a high stator temperature indication on the pump when it tripped.
03/22	1924	Power was reduced to approximately 55% to perform troubleshooting on Main Feedwater Pump 1B when the active thrust bearing wear detector alarmed in the Control Room. A failed annunciator card was found and replaced, and power increase was initiated.
03/31	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 04/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

REPORT MONTH : MARCH 1994

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
2	940318	F		A	4	Feedwater Heater Valve 1CO-0122 lifted and would not reseat. (See previous page.)
3	940320	F		A	4	Heater Drain Pump 1-01 tripped. Altered ventilation around the pump and cleaned up the filters as precautionary measure.(See previous page.)
4	940322	F		A	4	Annunciator Card problem associated with Main Feedwater Pump. (See 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:	04/13/1994
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: MARCH 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	541	1,957	5,246
6.	REACTOR RESERVE SHUTDOWN HOURS	203	203	530
7.	HOURS GENERATOR ON LINE	490	1,906	5,151
8.	UNIT RESERVE SHUTDOWN HOURS	0	0	0
9.	GROSS THERMAL ENERGY GENERATED (MWH)	1,165,937	5,182,459	15,800,417
10.	GROSS ELECTRICAL ENERGY GENERATED (MWH)	375,130	1,724,720	5,311,947
11.	NET ELECTRICAL ENERGY GENERATED (MWH)	343,870	1,634,157	5,065,963
12.	REACTOR SERVICE FACTOR	72.7	90.6	90.8
13.	REACTOR AVAILABILITY FACTOR	100.0	100.0	100.0
14.	UNIT SERVICE FACTOR	65.9	88.2	89.2
15.	UNIT AVAILABILITY FACTOR	65.9	88.2	89.2
16.	UNIT CAPACITY FACTOR (USING MDC)	40.2	65.8	76.3
17.	UNIT CAPACITY FACTOR (USING DESIGN MWe)	40.2	65.8	76.3
18.	UNIT FORCED OUTAGE RATE	34.1	11.8	5.7

19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH) :
    Mid Cycle Outage to conserve fuel and perform equipment maintenance to begin April 21, 1994 with an estimated duration of 30 days. Refueling Outage scheduled to begin September 15, 1994 with an estimated duration of 70 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 930803

* ESTIMATED

AVERAGE DAILY UNIT POWER LEVEL

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 04/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : MARCH 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	765	17	780
2	764	18	780
3	764	19	711
4	761	20	0
5	449	21	114
6	0	22	746
7	0	23	782
8	0	24	784
9	0	25	784
10	0	26	780
11	0	27	780
12	0	28	781
13	0	29	781
14	0	30	783
15	288	31	742
16	768		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 04/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : MARCH 1994

DAY	TIME	REMARK/MODE
03/01	0000	Unit started month in MODE 1. Unit at 76% power, operating at reduced power for cycle optimization purposes. Feedwater Heater 1B and 2B out of service for preventive maintenance inspections.
03/05	1429	Reactor was manually tripped after experiencing load swings of 100 MWe on the Main Turbine. Commenced troubleshooting on EHC system. Unit entered MODE 3.
03/06	1150	Feedwater Heater 1B and 2B put back in service. Feedwater Heater 1A and 2A taken out of service for preventive maintenance inspections.
03/11	0600	Feedwater Heater 1A and 2A put back in service.
03/12	2110	Unit entered MODE 2.
	2212	Reactor is critical.
03/13	1055	Unit entered MODE 1.
	1218	Synchronized to the grid.
	1647	During restart of unit, the Turbine HP and LP Control Valves abruptly closed. Operators manually tripped the Turbine Generator (a reactor trip was not required). Due to this event, the cause of the recent load swings was identified as intermittent shorting and subsequent failure of the feedback (Collins) Coil in the EHC system.
	1725	Unit entered MODE 2.
03/14	2136	Unit entered MODE 1.
	2147	Following replacement of the failed coil, unit was synchronized to the grid.
03/16	0400	Unit at 72% power for cycle optimization purposes.

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.:	50-446
UNIT:	CPSES 2
DATE:	04/13/1994
COMPLETED BY:	Janet Hughes
TELEPHONE:	817-897-5331

MONTH : MARCH 1994

DAY	TIME	REMARK/MODE
03/19	2349	Due to a high temperature alarm on Reactor Coolant Pump (RCP) 2-04 lower radial bearing, unit was taken off line to allow troubleshooting. A temperature detector was found to be fouled with oil from a leaking bushing, causing a false high temperature indication.
03/20	0004	Unit entered MODE 2.
	0050	Unit entered MODE 3.
03/21	0247	Unit entered MODE 2.
	0344	Reactor is critical.
	1027	Unit entered MODE 1.
	1104	Synchronized to the grid.
03/22	0505	Unit at 73% power for cycle optimization purposes.
03/31	2400	Unit ended month in MODE 1 with reactor power at 73%.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 04/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

REPORT MONTH : MARCH 1994

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
3	940305	F	189.82	A	2	Reactor was tripped after experiencing load swings of 100 MWe on the Main Turbine. Commenced troubleshooting on EHC system. LER 446/94-003 submitted.
4	940313	F	29.00	A	1	During restart of unit, Turbine Control Valves abruptly closed. Operators tripped the Turbine Generator (a Reactor trip was not required). Feedback coil in the EHC converter was replaced/ retested. (See previous page.)
5	940319	F	35.25	A	1	Unit was taken off line due to a high temperature alarm on Reactor Coolant Pump (RCP) 2-04. RTD and its holder were replaced and wiring connection at the terminal block were cleaned. (See 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)