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TUELECTRIC

September 15, 1994

C. Lance Terry
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 AUGUST 1994

Gentlemen:

Attached is the Monthly Operating Report for August 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,

C. L. Terry

By: *D. R. Woodlan*

D. R. Woodlan
Docket Licensing Manager

JMK/jmk

Attachment

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

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

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: AUGUST 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 | 5,784 | 28,323 |
| 6. REACTOR RESERVE SHUTDOWN HOURS | 0 | 47 | 2,401 |
| 7. HOURS GENERATOR ON LINE | 744 | 5,780 | 27,873 |
| 8. UNIT RESERVE SHUTDOWN HOURS | 0 | 0 | 0 |
| 9. GROSS THERMAL ENERGY GENERATED (MWH) | 2,506,709 | 19,482,216 | 89,232,021 |
| 10. GROSS ELECTRICAL ENERGY GENERATED (MWH) | 829,392 | 6,513,660 | 29,648,917 |
| 11. NET ELECTRICAL ENERGY GENERATED (MWH) | 795,611 | 6,254,050 | 28,249,901 |
| 12. REACTOR SERVICE FACTOR | 100.0 | 99.2 | 79.8 |
| 13. REACTOR AVAILABILITY FACTOR | 100.0 | 100.0 | 86.5 |
| 14. UNIT SERVICE FACTOR | 100.0 | 99.1 | 78.5 |
| 15. UNIT AVAILABILITY FACTOR | 100.0 | 99.1 | 78.5 |
| 16. UNIT CAPACITY FACTOR (USING MDC) | 93.0 | 93.3 | 69.2 |
| 17. UNIT CAPACITY FACTOR (USING DESIGN MWe) | 93.0 | 93.3 | 69.2 |
| 18. UNIT FORCED OUTAGE RATE | 0.0 | 0.9 | 5.1 |
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: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : AUGUST 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1085	17	1083
2	1084	18	1084
3	1084	19	1084
4	1085	20	1085
5	1083	21	1087
6	1083	22	779
7	1080	23	943
8	1083	24	1086
9	1083	25	1084
10	1083	26	1084
11	1083	27	1092
12	1083	28	1077
13	1082	29	1086
14	1083	30	1086
15	1082	31	1087
16	1082		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : AUGUST 1994

DAY	TIME	REMARK/MODE
08/01	0000	Unit started month in MODE 1.
08/22	0952	A fitting was sheared on the pressurized side of isolation valve 1-PI-2111-72 resulting in oil leak causing a loss of oil pressure which in turn tripped MFP 1A. The sheared fitting was removed and replaced and MFP 1A was returned to service.
08/31	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-445
UNIT: CPSES 1
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

REPORT MONTH : AUGUST 1994

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
6	940822	F	0.00	A	4	Sheared fitting on pressurized side of isolation valve 1-PI-2111-72. 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: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

OPERATING STATUS

1. REPORTING PERIOD: AUGUST 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	599	4,006	7,295
6. REACTOR RESERVE SHUTDOWN HOURS	145	1,825	2,152
7. HOURS GENERATOR ON LINE	573	3,909	7,154
8. UNIT RESERVE SHUTDOWN HOURS	0	0	0
9. GROSS THERMAL ENERGY GENERATED (MWH)	1,728,622	11,163,665	21,781,622
10. GROSS ELECTRICAL ENERGY GENERATED (MWH)	573,540	3,709,970	7,297,197
11. NET ELECTRICAL ENERGY GENERATED (MWH)	539,381	3,496,549	6,928,355
12. REACTOR SERVICE FACTOR	80.6	68.7	77.2
13. REACTOR AVAILABILITY FACTOR	100.0	100.0	100.0
14. UNIT SERVICE FACTOR	77.0	67.0	75.7
15. UNIT AVAILABILITY FACTOR	77.0	67.0	75.7
16. UNIT CAPACITY FACTOR (USING MDC)	63.0	52.1	63.8
17. UNIT CAPACITY FACTOR (USING DESIGN MWe)	63.0	52.1	63.8
18. UNIT FORCED OUTAGE RATE	23.0	23.1	14.7
19. SHUTDOWNS SCHEDULED OVER NEXT 6 MONTHS (TYPE, DATE, AND DURATION OF EACH): Refueling Outage scheduled to begin October 6, 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: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : AUGUST 1994

DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)	DAY	AVERAGE DAILY POWER LEVEL (MWe-Net)
1	1097	17	0
2	1097	18	0
3	1094	19	0
4	1098	20	15
5	1096	21	738
6	1094	22	1097
7	1091	23	1099
8	1100	24	1044
9	1097	25	450
10	1097	26	432
11	1094	27	65
12	1098	28	0
13	1095	29	0
14	1097	30	1065
15	391	31	984
16	0		

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : AUGUST 1994

DAY	TIME	REMARK/MODE
08/01	0000	Unit started month in MODE 1.
08/15	1045	Manually tripped Reactor due to an oil leak to the C-Phase Bushing of Main Transformer 2MT2. Unit entered MODE 3. Oil was drained from the transformer and the leaking bushing was replaced. The transformer was filled with oil and satisfactorily tested.
08/20	0347	Unit entered MODE 2.
	0421	Reactor is critical.
	1432	Unit entered MODE 1.
	1445	Synchronized to the grid.
08/24	2117	Rise in Auxiliary Condenser level indicated possible tube rupture. The unit was rapidly down powered to approximately 50% RTP to secure condenser and Main Feed Pump. Later determined to be caused by air in-leakage around conductivity cell interfering with condenser drains.
08/27	0816	Manually tripped Main Turbine in preparation for Unit shutdown due to Axial Flux out of limits due to rapid down power late in core life (from auxiliary condenser problem).
	0819	Unit entered MODE 2.
	0838	Unit entered MODE 3.
08/28	1446	Unit entered MODE 2.
	1520	Reactor is critical.
	1849	Unit entered MODE 1.

SUMMARY OF OPERATING EXPERIENCE FOR THE MONTH

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

MONTH : AUGUST 1994

DAY	TIME	REMARK/MODE
08/28	2000	Synchronized to the grid.
08/29	0015	Main Turbine tripped while transferring Non 1E buses on startup. The Turbine trip was caused by a misadjusted cam switch on Main Generator Disconnect 8022. Switch was readjusted.
	0020	Unit entered MODE 2.
	1100	Unit entered MODE 1.
	1155	Synchronized to the grid.
08/31	1700	Troubleshooting revealed that Auxiliary Condenser level problem was due to the air in-leakage around the conductivity cell. It was isolated and auxiliary condenser water level returned to normal.
	2400	Unit ended month in MODE 1.

UNIT SHUTDOWNS AND POWER REDUCTIONS

DOCKET NO.: 50-446
UNIT: CPSES 2
DATE: 09/13/1994
COMPLETED BY: Janet Hughes
TELEPHONE: 817-897-5331

REPORT MONTH : AUGUST 1994

NO	DATE	TYPE F:FORCED S:SCHEDULED	DURATION (HOURS)	REASON	METHOD OF SHUTTING DOWN THE REACTOR OR REDUCING POWER	CORRECTIVE ACTIONS/COMMENTS
12	940815	F	124.00	A	2	Insulator oil leakage on 2MT2. Manual Reactor Trip from 75% RTP. See LER 446/94-012-00.
13	940824	F	0.00	A	4	Rise in Auxiliary Condenser indicated possible tube rupture. See previous page.
14	940827	F	35.73	A	1	Unit shutdown due to Axial Flux out of limits due to rapid down power late in core life (from auxiliary condenser problem).
15	940829	F	11.67	A	4	Turbine trip while transferring Non 1E buses on startup. 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)
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2) METHOD

1: MANUAL
2: MANUAL SCRAM
3: AUTOMATIC SCRAM
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