

# TEXAS UTILITIES GENERATING COMPANY

SKYWAY TOWER • 400 NORTH OLIVE STREET, L.B. 81 • DALLAS, TEXAS 75201

BILLY R. CLEMENTS  
VICE PRESIDENT, NUCLEAR OPERATIONS

March 8, 1984

Mr. Harold R. Denton  
Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Subject: Comanche Peak Steam Electric Station  
Docket Nos. 50-445 and 50-446  
Shift Operating Experience

Dear Mr. Denton:

Enclosed are the nuclear plant experience tables for shift advisors, shift supervisors, assistant shift supervisors, reactor operators and shift technical advisors. These personnel will operate Comanche Peak Unit 1. All experience listed is as of March 1, 1984.

Although shift advisors are not required on all shifts to meet the "hot participation experience" requirements proposed by the Utility Group on February 24, 1984, a shift advisor will be present on each shift as previously committed by the applicant. Expected operating license and fuel load dates are July 1, 1984.

Sincerely,

*Billy R. Clements*

ERC:msc

Enclosure

c: Messrs. D. F. Schnell  
H. Thompson

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PDR ADOCK 05000445  
V PDR

M003  
1/1

Assumptions and Additional Notes:

1. Fuel load 7/1/84
2. Simulator training times include times operating simulator only.
3. Degree column includes hours of technical subjects and months of applicable credit.
4. Numbers are rounded so multiples may not be exact and may be reduced due to category limits.

DATE March 1, 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Shift Supervisor  
(NOTE 2)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT										
2. OTHER COMMERCIAL SRO	.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT										
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS										
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)					96/24					
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	1.0/3.1	1.0/3.1	1.0/3.1	1.0/3.1	1.3/3.9	1.0/3.1				
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	15/6.5	17/6.5	17.5/6.5	15/6.5	17/6.5	15/6.5				
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	35/17.5	35/17.5	35/17.5	35/17.5	35/17.5	35/17.5				
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	10.5/5.2	10/5	8.7/4.3	10.5/5.2	10/5	10.5/5.2				
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	.25/.2	.25/.2	.4/.3	.25/.2	.4/.3	.25/.2				
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)										
			28/2	AS/6		AS/6						
TOTAL NUCLEAR PLANT EXPERIENCE:			34.5	38.3	31.7	38.5	57.2	32.5				
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)			1	1	2	1	2	1				
STARTUP & SHUTDOWN (YES/NO)			N	N	N	N	N	N				
MONTHS ON SHIFT			.25	.25	.5	.25	.5	.25				

NOTE 1: SEE "INSTRUCTIONS FOR USE OF NUCLEAR POWER PLANT EXPERIENCE FACTORS FOR  
OPERATING SHIFT POSITIONS (OL APPLICANTS)"

CHECK ONE OF THE FOLLOWING:

NOTE 2: INCLUDE ALL SHIFT SUPERVISOR (SS), SHIFT SRO'S, REACTOR OPERATORS (RO)  
AND SHIFT TECHNICAL ADVISORS (STA).

- ☐ a. Shift advisors must be used to satisfy the "hot participation experience" requirements of the utility plan.
- ☒ b. Shift advisors will probably be required, at least for some shifts.
- ☐ c. Do not plan to use shift advisors unless some unforeseen circumstance arises.

DATE March 1, 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Assistant Shift Supervisor  
(NOTE 2)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT										
2. OTHER COMMERCIAL SRO	.75	NO LIMIT										
1. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT										
4. OTHER COMMERCIAL RO	0.75	NO LIMIT		29/29								
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS			30/15							
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)		60/15	103/21		60/15					
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	1.3/3.9	.36/1.1	.9/2.8	1.0/3.1	1.0/3.1	1.0/3.1				
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	17/6.5	17/13	115/8.6	17/11.5	15/6.5	17/6.5				
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	35/17.5	14.6/7.3	12/6	25/12.5	35/17.5	35/17.5				
0. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	10/5	6.6/3.3	8.5/4.2	9.5/4.8	10.8/5.4	10/5				
1. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS		29/12								
2. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)										
TOTAL NUCLEAR PLANT EXPERIENCE:			12/1	12/1	AS/6	36/3						
			33.9	81.7	63.6	34.9	47.5	32.1				
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)				160								
STARTUP & SHUTDOWN (YES/NO)				Y								
MONTHS ON SHIFT				58								

NOTE 1: SEE "INSTRUCTIONS FOR USE OF NUCLEAR POWER PLANT EXPERIENCE FACTORS FOR OPERATING SHIFT POSITIONS (OL APPLICANTS)"

NOTE 2: INCLUDE ALL SHIFT SUPERVISORS (SS), SHIFT SRO'S, REACTOR OPERATORS (RO) AND SHIFT TECHNICAL ADVISORS (STA).

CHECK ONE OF THE FOLLOWING:

- ☐ a. Shift advisors must be used to satisfy the "hot participation experience" requirements of the utility plan.
- ☒ b. Shift advisors will probably be required, at least for some shifts.
- ☐ c. Do not plan to use shift advisors unless some unforeseen circumstance arises.

DATE March 1, 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Reactor Operator  
(NOTE 2)NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT										
OTHER COMMERCIAL SRO	.75	NO LIMIT										
SAME TYPE COMMERCIAL RO	1.00	NO LIMIT										
OTHER COMMERCIAL RO	0.75	NO LIMIT			12/12							
3. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS				66/33					34/17	
4. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	56/14	48/12			60/15		36/9		26/6.5	84/21
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	.9/28	1.1/3.2	.2/.7	1.1/3.2	.9/2.8	1.1/3.2	1.1/3.2	1.0/3.1	.9/2.8	.9/2.8
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	15/11.2	15/11.2	14/10.5	17/12.7	17/12.7	17/12.3	17/12.5	15/6.5	17/12.7	17/12.7
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	4/2	22.4/11.2		18.6/9.3	4/2	23.4/11.7	23/11.5	35/17.5	15/7.5	12/6
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	8.4/4.2	10.8/5.4	3.5/1.7	10.8/5.4	8.4/4.2	9.1/4.5	10/5	9.8/4.9	8.4/4.2	8.4/4.2
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS			41/12			9/6.7				
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)			12/3							
TOTAL NUCLEAR PLANT EXPERIENCE:								32/3			29/2	21/2
			34.2	43	39.9	63.6	36.7	41.4	41.2	32	52.7	48.7
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)					140			25				
STARTUP & SHUTDOWN (YES/NO)					Y			N				
MONTHS ON SHIFT					53			9				

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DATE March 1 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Reactor Operator  
(NOTE 2)NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT			30/30							
2. OTHER COMMERCIAL SRO	.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT			36/36							
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS	6/3									
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)			60/15	61/15.2	24/6			57/14.2		
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	1.1/3.2	1.0/3.1	.2/.7	.9/2.8	.9/2.8	.9/2.8	1.1/3.2	.9/2.8	.9/2.8	
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	15/11.2	15/6.5	14/10.5	14.7/11	15/11.2	15/11.2	15/6.5	17/12.7	15/11.2	
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	22.5/11.2	35/17.5		11.7/5.8	7/3.5	4.7/2.3	35/17.5	17/8.5	5.5/2.7	
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	10.8/5.4	9.8/4.9	3.5/1.7	8.9/4.5	8.9/4.5	8.9/4.5	14.1/7	8.4/4.2	8.7/4.3	
1. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS										
2. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)										
TOTAL NUCLEAR PLANT EXPERIENCE:			20/2					56/5		32/3		
			36	32	78.9	39.1	37.2	31.8	34.2	31.2	35.2	
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)					180							
STARTUP & SHUTDOWN (YES/NO)					Y							
MONTHS ON SHIFT					66							

NOTE 1: SEE "INSTRUCTIONS FOR USE OF NUCLEAR POWER PLANT EXPERIENCE FACTORS FOR OPERATING SHIFT POSITIONS (OL APPLICANTS)"

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DATE March 1, 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Shift Technical Advisor  
(NOTE 2)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT										
2. OTHER COMMERCIAL SRO	.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT										
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOW, PPHS) (OTHER)	0.50 0.25	36 MONTHS										
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	.68/2.03	.68/2.03	.33/.98	.73/2.18	.38/1.13	.38/1.13	.38/1.13			
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	2.85/2.14	2.35/1.76	3.0/2.25	1.1/.83	1.05/.79	.95/.71	.95/.71			
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	10.28/ 5.14	10.28/ 5.14	9.68/ 4.84	10.53/ 5.27	9.93/ 4.97	9.93/ 4.97	9.93/ 4.97			
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS										
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	27.02/ 6.76	15.75/ 3.94	19.99/ 5.0	11.64/ 2.91	10.07/ 2.52	9.74/ 2.44	9.74/ 2.44			
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS										
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	BS/12	BS/12	BS/12	BS/12	BS/12	BS/12	BS/12			
TOTAL NUCLEAR PLANT EXPERIENCE:			28.07	24.87	25.07	23.19	21.41	21.25	21.25			
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)												
STARTUP & SHUTDOWN (YES/NO)												
MONTHS ON SHIFT												

NOTE 1: SEE "INSTRUCTIONS FOR USE OF NUCLEAR POWER PLANT EXPERIENCE FACTORS FOR  
OPERATING SHIFT POSITIONS (OL APPLICANTS)"

CHECK ONE OF THE FOLLOWING:

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AND SHIFT TECHNICAL ADVISORS (STA).

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DATE March 1, 1984PLANT NAME Comanche PeakUTILITY Texas Utilities Generating CompanyO.L. DATE 7/1/84

## OPERATING SHIFT EXPERIENCE

JOB TITLE: Shift Advisor  
(NOTE 2)

ENTER DATA: MONTHS/MONTHS X WEIGHTING FACTOR

NUCLEAR POWER PLANT EXPERIENCE  
FOR OPERATING SHIFT POSITIONS (NOTE 1)

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	1	2	3	4	5	6	7	8	9	10
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT	99/99	60/60	98/98	15/15	23/23					
2. OTHER COMMERCIAL SRO	.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	15/15			31/31	41/41					
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOWM, PPWS) (OTHER)	0.50 0.25	36 MONTHS				40/20						
			43/10.7			12/3	96/24					
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	1.5/7.5 .25/.75	1/5 1/3	1.5/7.5 1.5/4.5	2/10 .25/.75	3.7/9					
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.) (MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	9/6.7	9/6.7 12/6	9/6.7 12/6	9/6.7	6/4.5					
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	8/4		24/9	9/4.5	10/5					
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	4/3	9/6.7	6/4.5	21/12	60.2/12					
0. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	10/2.5	3/.7	3/.7	26/6.5						
1. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS				.3/.1	8/2					
2. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)				20/2						
TOTAL NUCLEAR PLANT EXPERIENCE:			149.1	88.1	136.9	111.5	120.5					
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS)												
STARTUP & SHUTDOWN (YES/NO)												
MONTHS ON SHIFT												

NOTE 1: SEE "INSTRUCTIONS FOR USE OF NUCLEAR POWER PLANT EXPERIENCE FACTORS FOR OPERATING SHIFT POSITIONS (OL APPLICANTS)"

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