



Nuclear Division
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

March 26, 1984

Operating Shift Experience

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

Dear Mr. Denton:

As a member of the utility group on operating shift experience for plants with Near Term Operating Licenses (NTOL), Duquesne Light Company forwards the attached experience tables relative to personnel at the Beaver Valley Power Station (BVPS). This information is intended to provide the Commissioners and Staff with a better understanding of our individual experience base and need for advisors. Please note that for the purpose of this transmittal, no credit is shown for experience at the Shippingport Atomic Power Station.

Duquesne Light Company does not plan to use Shift Advisors unless some unforeseen circumstance arises, rather we would draw from the experience base indicated in the attachment to support the startup and operation of Beaver Valley Power Station, Unit No. 2. If you have any questions relative to the attached experience tables, please contact Mr. T. D. Jones, Manager of Nuclear Operations Department.

Very truly yours,


J. J. Carey

Attachments

cc: Hugh Thompson, NRC
Donald F. Schnell, Union Electric

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OPERATING SHIFT EXPERIENCE (as of 3/15/84)

DATE March 23, 1984

PLANT NAME Beaver Valley Power Station

JOB TITLE: SHIFT SUPERVISOR

UTILITY Duquesne Light Company

(Note 2)

O.L. DATE Schedule for Unit 2: 12/1/85 Fuel load, 3/1/86 full power, 5/1/86 commercial

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	35	1	1	58	60	97	1	6	97	0
2. OTHER COMMERCIAL SRO	0.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT				33	12					
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PWS) (OTHER)	0.50 0.25	36 MONTHS										
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	1	4	4	2	1	3	4	1	3	4
7. NUCLEAR PLANT EXPERIENCE ON-SHIFT (OWN PLANT) (LESS THAN 1½ YEARS PRIOR TO F.L.) (MORE THAN 1½ YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)						16			16	
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	9	5	5	9	9	9	5	9	9	6
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS				12						
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	9									
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS					7					
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	12		12	12				12		
TOTAL NUCLEAR PLANT EXPERIENCE: [✓if greater than 24 mos.]			66	10	22	114	101	125	10	28	125	10
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS) [✓if greater than 6 weeks]			✓	4	4	✓	✓	✓	4	✓	✓	0
STARTUP & SHUTDOWN (YES/NO)[✓if on shift for both]			✓	NO	NO	✓	✓	✓	NO	✓	✓	NO
MONTHS ON SHIFT [✓if greater than 6 months]			✓	1	1	✓	✓	✓	1	6	✓	0

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.

OPERATING SHIFT EXPERIENCE (as of 3/15/84)

DATE March 23, 1984

PLANT NAME Beaver Valley Power Station

JOB TITLE: SENIOR OPERATOR

UTILITY Duquesne Light Company

(Note 2)

O.L. DATE Schedule for Unit 2: 12/1/85 Fuel load, 3/1/86 full power, 5/1/86 commercial

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
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT	5	5	34	1	29	1	5	0
2. OTHER COMMERCIAL SRO	0.75	NO LIMIT								
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT							52	
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)	1	1	5	4	7	4	1	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)								
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	9	9	8	5	9	5	9	9
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS							12	
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	3	12			12		4	2
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS					3			
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	12	12	12		6	12	12	
TOTAL NUCLEAR PLANT EXPERIENCE: [✓ if greater than 24 mos.]			30	39	59	10	66	22	31	77
HOT PARTICIPATION EXPERIENCE										
TIME > 20% PWR/BWR (must be greater than 6 weeks)			✓	✓	✓	4	✓	4	✓	0
STARTUP & SHUTDOWN (must be on shift for both)			✓	✓	✓	NO	✓	NO	✓	NO
MONTHS ON SHIFT [✓ if greater than 6 months]			✓	✓	✓	1	✓	1	✓	0

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.

OPERATING SHIFT EXPERIENCE (as of 3/15/84)

DATE March 23, 1984

PLANT NAME Beaver Valley Power Station

UTILITY Duquesne Light Company

JOB TITLE: REACTOR OPERATOR
(Note 2)

O.L. DATE Schedule for Unit 2: 12/1/85 Fuel load, 3/1/86 full power, 5/1/86 commercial

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	*	*	*							
2. OTHER COMMERCIAL SRO	0.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	35	52	52	0	0	6	6	6	6	50
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EDOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS										
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	1	2	2	1	1	1	1	1	1	1
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)										
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	9	9	9	9	9	9	9	9	6	9
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	12	12	12	12	12	12	12	12	12	12
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS										
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)										
TOTAL NUCLEAR PLANT EXPERIENCE: [✓if greater than 24 mos.]			✓	✓	✓	22	22	✓	✓	✓	✓	✓
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS) [✓if greater than 6 weeks]			✓	✓	✓	0	0	✓	✓	✓	✓	✓
STARTUP & SHUTDOWN (YES/NO)[✓if on shift for both]			✓	✓	✓	NO	NO	✓	✓	✓	✓	✓
MONTHS ON SHIFT [✓if greater than 6 months]			✓	✓	✓	0	0	✓	✓	✓	✓	✓

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* Training for up-grade to SRO, expect to examine as SRO in 10/84

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OPERATING SHIFT EXPERIENCE (as of 3/15/84)

DATE March 23, 1984

PLANT NAME Beaver Valley Power Station

JOB TITLE: REACTOR OPERATOR

UTILITY Duquesne Light Company

(Note 2)

O.L. DATE Schedule for Unit 2: 12/1/85 Fuel load, 3/1/86 full power, 5/1/86 commercial

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

ENTER DATA:
MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	11	12	13	14	15	16	17	18	19	20
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT										
2. OTHER COMMERCIAL SRO	0.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	6	50	6	6	6	21	6	6	65	35
4. OTHER COMMERCIAL RO	0.75	NO LIMIT										
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EDOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS										
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	1	1	1	1	1	3	1	1	1	1
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)										
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	9	9	7	9	9	9	9	9	9	9
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	12	12	12	12	12	12	12	12	12	12
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS							2			
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)				6						12
TOTAL NUCLEAR PLANT EXPERIENCE: [✓if greater than 24 mos.]			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS) [✓if greater than 6 weeks]			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
STARTUP & SHUTDOWN (YES/NO) [✓if on shift for both]			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
MONTHS ON SHIFT [✓if greater than 6 months]			✓	✓	✓	✓	✓	✓	✓	✓	✓	✓

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OPERATING SHIFT EXPERIENCE (as of 3/15/84)

DATE March 23, 1984

PLANT NAME Beaver Valley Power Station

JOB TITLE: REACTOR OPERATOR

UTILITY Duquesne Light Company

(Note 2)

O.L. DATE Schedule for Unit 2: 12/1/85 Fuel load, 3/1/86 full power, 5/1/86 commercial

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

ENTER DATA:

MONTHS/MONTHS X WEIGHTING FACTOR

TYPE OF EXPERIENCE	WEIGHTING FACTOR	MAXIMUM CREDIT	21	22	23	24	25	26				
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT		0	0	0	1	1				
2. OTHER COMMERCIAL SRO	0.75	NO LIMIT										
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	5									
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)	1	4	4	4	4	4				
7. NUCLEAR PLANT EXPERIENCE ON-SHIFT (OWN PLANT) (LESS THAN 1½ YEARS PRIOR TO F.L.) (MORE THAN 1½ YEARS PRIOR TO F.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)										
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	8	# 6	# 6	# 6	5	5				
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	12									
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS										
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)										
TOTAL NUCLEAR PLANT EXPERIENCE: [✓if greater than 24 mos.]			✓	10	10	10	10	10				
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PWR/BWR (WKS) [✓if greater than 6 weeks]			✓	0	0	0	4	4				
STARTUP & SHUTDOWN (YES/NO)[✓if on shift for both]			✓	NO	NO	NO	NO	NO				
MONTHS ON SHIFT [✓if greater than 6 months]			✓	0	0	0	1	1				

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

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☒ c. Do not plan to use shift advisors unless some unforeseen circumstance arises.

One month obtaining on-shift experience, use of license pending medical considerations