

ILLINOIS POWER COMPANY



L-0982

CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

March 9, 1984

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

Dear Mr. Denton:

In response to an industry working group recommendation, Illinois Power Company has completed a review of operating shift experience for the Clinton Station. The results are tabulated in the attached tables.

Personnel have not yet been designated for assignment as Shift Technical Advisors (STA) and therefore data is not yet available for STA operating experience. Engineers with college degrees will be qualified for STA positions and assigned to each shift.

Illinois Power Company will hire shift advisors as necessary, but hopes to minimize the need for these individuals by hiring and/or by providing hot participation at operating plants.

Sincerely yours,

D. F. Hall
Vice President

JRP/psf

attachments

cc Mr. Hugh Thompson
Director, Division of
Human Factor Safety

Mr. Donald F. Schnell
Union Electric Co.

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PDR ADOCK 05000461
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DATE: March 9, 1984PLANT NAME Clinton Power StationUTILITY Illinois PowerO.L. DATE January 1986

OPERATING SHIFT EXPERIENCE

JOB TITLE: Shift Supervisors

(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	0	8/8	0	0	0				
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	0	0	0	0	0	0				
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	0	0	6/6	0	18/18	0				
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	0	0	0	0	0	0				
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOM, PPMS) (OTHER)	0.50 0.25	36 MONTHS	0 48/12	62/31 4/2	0 54/3.5	6/3 76/9	48/24 0	120/36 12/0				
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0 3/9	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6				
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)	38/12 0	26/12 0	24/12 0	24/12 0	36/12 0	44/12 0				
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4/2	4/2	4/2	4/2	4/2	4/2				
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	0	0	9/6.75	0	12/9	1/.75				
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	68/12	38/9.5	88/12	38/9.5	62/12	13/3.25				
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	0	0	0	0	0	0				
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	2/6	90/9	45/45	2/6	42/4	40/4				
TOTAL NUCLEAR PLANT EXPERIENCE:			83	71.5	70.75	57.3	97	64				
<u>HOT PARTICIPATION EXPERIENCE</u>												
TIME > 20% PWR/RWR (WKS)			96		45		58					
STARTUP & SHUTDOWN (YES/NO)			YES		YES		YES					
MONTHS ON SHIFT			30		14		18					

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 SUPERVISORS (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.

DATE: MARCH 9, 1984

OPERATING SHIFT EXPERIENCE

Sheet 1 of 2PLANT NAME Clinton Power StationUTILITY Illinois PowerO.L. DATE January 1986

NUCLEAR POWER PLANT EXPERIENCE

FOR OPERATING SHIFT POSITIONS (NOTE 1)

JOB TITLE: Assistant 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	0	0	0	0	0	0	0	0	0	0
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	0	0	0	0	0	0	0	0	0	0
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	0	0	0	0	0	0	0	0	0	0
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	0	0	0	0	0	0	0	0	0	0
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS	0 24/6	108/36 0	60/30 0	84/36 0	80/36 3/0	52/26 9/2.25	54/27 3/.75	30/15 5/1.25	30/15 60/15	6/3 60/15
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6
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)	18/9 0	15/7.5 0	24/12 0	44/12 0	20/10 0	36/12 0	27/12 0	20/10 0	32/12 0	24/12 0
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4/2 27/12	4/2 0	4/2 0	4/2 0	4/2 0	4/2 0	4/2 0	4/2 0	4/2 0	4/2 0
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	9/2.25	10/2.5	36/9	11/2.75	11/2.75	25/6.25	10/2.5	36/9	14/3.5	39/9.75
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	0	0	0	0	0	0	0	0	0	0
11. CONDUCTING LICENSE TRAINING	0.25	2 MONTHS	0	0	0	0	0	0	0	0	0	0
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	2/6	0	30/3	49/5	2/0	0	4/12	42/4	70/7	*/11
TOTAL NUCLEAR PLANT EXPERIENCE:			43.25	52	62	63.75	56.75	54.5	62.25	47.25	60.5	58.75
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)"

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.

* 2 year degree plus 54 hours

DATE March 6, 1984

OPERATING SHIFT EXPERIENCE

Sheet 2 of 2

PLANT NAME Clinton Power Station

UTILITY Illinois Power

O.L. DATE January 1986

NUCLEAR POWER PLANT EXPERIENCE
FOR OPERATING SHIFT POSITIONS (NOTE 1)JOB TITLE: Assistant Shift Supervisor
(NOTE 2)

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	0									
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	0									
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	0									
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	0									
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOM, PPW)	0.50	36 MONTHS	0									
(OTHER)	0.25		52/13									
6. SIMULATOR (REFERENCE PLANT)	5.00	12 MONTHS (12 MONTHS)	0									
(SIMILAR)	3.00	(9 MONTHS)	2/6									
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO F.L.)	0.75	24 MONTHS (12 MONTHS)	24/12									
(MORE THAN 1 1/2 YEARS PRIOR TO F.L.)	0.50	(12 MONTHS)	0									
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4/2									
			0									
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS										
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	38/9.5									
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	0									
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT)		12 MONTHS										
(BACHELORS DEGREE)		(12 MONTHS)	2/6									
(ASSOCIATES DEGREE)		(6 MONTHS)										
TOTAL NUCLEAR PLANT EXPERIENCE:			48.5									
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)"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.

PLANT NAME Clinton Power StationUTILITY Illinois PowerO.L. DATE January 1986

OPERATING SHIFT EXPERIENCE

Sheet 1 of 2JOB TITLE: CRO

(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	0	0	0	0	0	0	0	0	0	0
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	0	0	0	0	0	0	0	0	0	0
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	0	0	0	0	0	0	0	0	0	0
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	0	0	0	0	0	0	0	0	0	0
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS	16/8 27/6.75	6/3 50/12.5	0 86/21.5	7/3.5 52/13	7/3.5 66/16.5	72/36 26/0	1/1.5 71/17.75	6/3 50/12.5	36/18 0	82/36 0
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6
7. NUCLEAR PLANT EXPERIENCE ON SHIFT (OWN PLANT) (LESS THAN 1 1/2 YEARS PRIOR TO P.L.) (MORE THAN 1 1/2 YEARS PRIOR TO P.L.)	0.75 0.50	24 MONTHS (12 MONTHS) (12 MONTHS)	15/7.5 0	16/8 0	10/5 0	24/12 0	16/8 0	15/7.5 0	13/6.5 0	16/8 0	32/12 0	19/9.5 0
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2	4/2
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	0	0	0	0	0	0	0	0	0	0
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	9/2.25	13/3.25	1/1.25	6/1.5	7/1.75	8/2	5/1.25	11/2.75	6/1.5	9/2.25
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	0	0	0	0	0	0	0	0	0	0
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	0	19/2	30/3	0	2/6	70/7	0	18/1.8	38/3.8	21/2
TOTAL NUCLEAR PLANT EXPERIENCE:			32.5	36.75	37.75	38	43.75	60.5	34	36.05	43.3	57.75
HOT PARTICIPATION EXPERIENCE												
TIME x 20% PWR/PUR (WKS)												
STARTUP & SHUTDOWN (YES/NO)												
MONTHS ON SHIFT												

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

CHECK ONE OF THE FOLLOWING:

NOTE 2: INCLUDE ALL SHIFT SUPERVISORS (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.

PLANT NAME Clinton Power Station
UTILITY Illinois Power

O.L. DATE January 1986

OPERATING SHIFT EXPERIENCE

Sheet 2 of 2

JOB TITLE: CRO
(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	11	12	13	14	15	16	17	18	19	20
1. SAME TYPE COMMERCIAL SRO	1.00	NO LIMIT	0	0	0	0	0					
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	0	0	0	0	0					
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	0	0	0	0	0					
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	0	0	0	0	0					
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PPWS) (OTHER)	0.50 0.25	36 MONTHS	47/23.5 0	48/24 0	73/36 24/0	60/30 12/3	55/13.75 0					
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0 2/6	0 2/6	0 2/6	0 2/6	0 2/6					
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)	38/12 0	36/12 0	16/8 0	10/5 0	19/9.5 0					
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4/2	4/2	4/2	4/2	0					
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	0	0	0	0	0					
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	18/9	18/9	2/.5	4/1	8/2					
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	0	0	0	0	0					
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	10/1	80/8	0	14/1.4	0					
TOTAL NUCLEAR PLANT EXPERIENCE:			53.5	61	52.5	42.4	31.25					
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)"

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 information is received.