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 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397
 AUTH. NAME: SORENSEN, G.C. AUTHOR AFFILIATION: Washington Public Power Supply System
 RECIP. NAME: SCHWENCER, A. RECIPIENT AFFILIATION: Licensing Branch 2

SUBJECT: Notifies of intentions to eliminate fuel oil purifiers as existing Tech Spec ensures adequate fuel oil quality.

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 TITLE: Licensing Submittal: PSAR/FSAR Amdts & Related Correspondence

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Washington Public Power Supply System

P.O. Box 968 3000 George Washington Way Richland, Washington 99352 (509) 372-5000

November 17, 1983
G02-83-1069

8311220444 831117
PDR ADCK 05000397
A PDR

Docket No. 50-397

Director of Nuclear Reactor Regulation
Attention: Mr. A. Schwencer, Chief
Licensing Branch No. 2
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Schwencer:

Subject: NUCLEAR PROJECT NO. 2
DIESEL ENGINE FUEL OIL STORAGE
AND TRANSFER SYSTEM

- References:
- 1) Letter, G02-82-238, G. D. Bouchey (SS) to A. Schwencer (NRC), "Nuclear Project No. 2, PSB Mechanical SER Open Items", dated February 19, 1982
 - 2) Letter, G02-82-507, G. D. Bouchey (SS) to A. Schwencer (NRC), "Nuclear Project No. 2, SER License Condition No. 9", dated June 4, 1982
 - 3) NUREG-0892, WNP-2 Safety Evaluation Report, Supplement 1, dated August 1982

Reference 1 responded to Power System Branch concerns with regard to fuel oil tank cleaning and corrosion protection and proposed the use of fuel oil purification units in lieu of providing internal tank coatings. Reference 2 forwarded the Supply System position with regard to internal corrosion protection for the fuel oil storage tanks:

- o designed corrosion allowance meets ANSI N195 section 7.5,
- o ten (10) year draining and cleaning per Regulatory Guide 1.137, c.2.f,
- o area environmental conditions (evidenced by historical corrosion records of local similar tanks provided in reference 2) do not promote excessive corrosion,
- o technical specification requirements to maintain full tanks to limit contamination,
- o use of fuel oil purification units,
- o use of materials and external coatings resistant to corrosion, and
- o technical specification purity requirements.

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A. Schwencer

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November 17, 1983

DIESEL ENGINE FUEL OIL STORAGE AND TRANSFER SYSTEM

Additionally, technical specification surveillance requirement 4.8.1.1.2 d. has increased sampling frequencies, purity requirements, and more analysis performed on fuel oil receipt and storage than what was anticipated at the time the use of purifiers was proposed. These requirements make the use of purifiers unnecessary. Hence, use of fuel oil purifiers provides no real benefit to ensuring fuel oil purity.

As a result, the Supply System intends to eliminate the fuel oil purifiers as the existing technical specification ensures adequate fuel oil quality. In addition, reference 3, section 9.5.4.2 described the basis by which the NRC staff concluded that the fuel oil system, without fuel oil purifiers, is acceptable. Also, the WNP-2 plant specific technical specifications, currently in staff proof and review process, do not require the use of fuel oil purifiers.

In summary, the Supply System does not intend to install the proposed fuel oil purifiers based on the fact that there are no technical or regulatory requirements. Should you have any further questions, please contact Mr. P. L. Powell, Manager, WNP-2 Licensing.

Very truly yours,



G. C. Sorensen, Manager
Regulatory Programs

PLP/tmh

cc: R Auluck - NRC
WS Chin - BPA
AD Toth - NRC Site



11

DATE 03/08/84
PLANT NAME WNP-2
UTILITY WPPSS
O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: SHIFT MANAGER
(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	24	30	30	-	-	-				
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	-	96 72	-	96 72	-	30 23				
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	-	72	66	-	-	-				
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	-	-	-	-	-	18 13.5				
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PWS) (OTHER)	.50 0.25	36 MONTHS	40/61 35	-	-	48/36 33	65/7 34.5	0/48 12				
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/3 9	0/3 9	0/4 9	0/1 3	0/3 9	0/.5 1.5				
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)	18/82 24	18/50 24	18/40 24	18/0 12	18/50 24	18/0 12				
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	7 3.5	7 3.5	6 3	5 2.5	5 2.5	6 3				
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	12 9	24 12	12 9	-	24 12				
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	-	-	-	-	156 12	-				
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	-	-	12 3	-	-	-				
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)		12 MONTHS (12 MONTHS) (6 MONTHS)	-	6	12	12	-	-				
TOTAL NUCLEAR PLANT EXPERIENCE:			95.5	219.5	159	143.5	182	77.5				
HOT PARTICIPATION EXPERIENCE			95	660	372	450	-	230				
TIME > 201 PHR/8HR (WKS)			Yes	Yes	Yes	Yes	No	Yes				
STARTUP & SHUTDOWN (YES/NO)			24	168	70	92	-	53				
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, except for one shift.

DATE 3/8/84

PLANT NAME WNP-2

UTILITY WPPSS

O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: CONTROL ROOM OPERATOR (RO)
(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	-	-	-	-	-	-	-	-	-	-
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	-	-	-	-	-	-	-	-	-	-
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	-	-	-	-	-	-	-	-	-	-
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOW, PPWS) (OTHER)	.0.50 0.25	36 MONTHS	-	-	0/84 21	24/72 30	42/18 25.5	0/84 21	-	0/60 15	-	-
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/6 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 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)	18/64 24	18/30 24	18/17 21	18/34 24	18/58 24	18/56 24	18/38 24	18/54 24	-	-
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	14 7	7 3.5	8 4	9 4.5	13 6.5	10 5	8 4	11 5.5	-	-
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	-	6	-	-	-	-	45 11	-	-
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	-	-	1.5	-	-	-	-	-	-	-
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	-	-	-	-	-	-	-
TOTAL NUCLEAR PLANT EXPERIENCE:			40	36.5	62.5	67.5	65	59	37	64.5	-	-
<u>HOT PARTICIPATION EXPERIENCE</u>												
TIME > 20% PHR/BWR (WKS)			-	-	-	-	-	-	-	-	-	-
STARTUP & SHUTDOWN (YES/NO)			No	No	No	No	No	No	No	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:

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.
- ☒ c. Do not plan to use shift advisors, except for one shift.

[illegible]

DATE 3/8/84
PLANT NAME WNP-2
UTILITY WPPSS
O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: Control Room Operator (SRO's)
(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	-	-	-	-	-	-	-	-	-	-
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, FWS) (OTHER)	0.50 0.25	36 MONTHS	-	0/92 23	0/72 18	18/53 22	32/64 32	24/48 24	0/103 26	24/47 24	-	-
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/3 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 9	0/3 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)	18/27 24	18/21 22.5	18/25 24	18/25 24	18/11 17.5	18/24 24	18/18 21	18/11 17.5	-	-
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	9 4.5	10 5	8 4	7 3.5	7 3.5	8 4	7 3.5	8 4	-	-
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	-	-	-	12	-	-	-	-	-
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	43 11	16 4	-	-	-	-	-	-	-	-
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	-	-
TOTAL NUCLEAR PLANT EXPERIENCE:			48.5	63.5	55	58.5	74	61	59.5	60.5	-	-
<u>HOT PARTICIPATION EXPERIENCE</u>												
TIME > 20% PHR/BWR (WKS)			-	-	-	-	60	-	-	-	-	-
STARTUP & SHUTDOWN (YES/NO)			No	No	No	No	Yes	No	No	No	-	-
MONTHS ON SHIFT			-	-	-	-	23	-	-	-	-	-

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, except for one shift

DATE 03/08/84
PLANT NAME WNP-2
UTILITY WPPSS
O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: CONTROL ROOM SUPERVISOR
(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	-	-	-	-	-	-	-	-	-	-
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	-	-	-	-	-	-	-	-	-	-
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	-	-	-	-	-	-	-	-	-	-
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	-	18 14	-	-	-	-	-	-	-	-
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOOM, PPWS) (OTHER)	.0.50 0.25	36 MONTHS	-	0/34 9	40/98 36	-	0/72 18	-	-	-	-	-
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/3 9	0/1 3	0/3 9	0/3 9	0/3 9	0/3 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)	18/20 22	18/0 12	18/31 24	18/40 24	18/54 24	18/52 24	-	-	-	-
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	5.5 3	6 3	10 5	4 2	11 5.5	11 5.5	-	-	-	-
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	6 4.5	-	-	-	-	-	-	-	-
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	90 12	-	-	14 12	-	-	-	-	-	-
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)	12	-	-	12	-	-	-	-	-	-
TOTAL NUCLEAR PLANT EXPERIENCE:			58	45.5	74	59	56.5	38.5	-	-	-	-
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PHR/DWR (WKS)			-	78	-	-	-	-	-	-	-	-
STARTUP & SHUTDOWN (YES/NO)			No	Yes	No	No	No	No	-	-	-	-
MONTHS ON SHIFT			-	18	-	-	-	-	-	-	-	-

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, except for one shift.

DATE 03/08/84
PLANT NAME WNP-2
UTILITY WPPSS
O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: SHIFT SUPPORT SUPERVISOR
(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	-	-	-	-	-	-	-	-	-	-
2. OTHER COMMERCIAL SRO	.75	NO LIMIT	-	-	-	-	-	-	-	-	-	-
3. SAME TYPE COMMERCIAL RO	1.00	NO LIMIT	-	-	-	68	-	-	-	-	-	-
4. OTHER COMMERCIAL RO	0.75	NO LIMIT	-	12	19	-	-	-	-	-	-	-
5. NAVY (MILITARY) NUCLEAR (RO, EWS, EOW, PWS) (OTHER)	.0.50 0.25	36 MONTHS	0/93	0/84	42/18	-	28/18	-	-	-	-	-
			23	21	25.5	-	18.5	-	-	-	-	-
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/3.5	0/1	0/3	0/3	0/1	-	-	-	-	-
			10.5	3	9	9	3	-	-	-	-	-
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)	18/0	18/0	18/25	18/23	18/0	18/0	-	-	-	-
			12	12	24	24	12	12	-	-	-	-
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	5	5.5	8	6	4	5	-	-	-	-
			2.5	3	4	3	2	2.5	-	-	-	-
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	46	12	60	12	-	-	-	-	-
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	-	-	-	-	48	12	-	-	-	-
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)	12	-	12	-	12	-	-	-	-	-
TOTAL NUCLEAR PLANT EXPERIENCE:			60	60	74.5	116	59.5	14.5	-	-	-	-
HOT PARTICIPATION EXPERIENCE												
TIME > 20% PHR/BWR (WKS)			-	78	-	215	150	-	-	-	-	-
STARTUP & SHUTDOWN (YES/NO)			No	Yes	No	Yes	Yes	No	-	-	-	-
MONTHS ON SHIFT			-	18	-	128	12	-	-	-	-	-

* Shift Advisor -
not licensed.

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, except for one shift.

DATE 03/08/84
PLANT NAME WNP-2
UTILITY WPPSS
O.L. DATE 12/20/83

OPERATING SHIFT EXPERIENCE

JOB TITLE: SHIFT TECHNICAL ADVISOR
(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	-	-	-	-	-	-	-	-	-	-
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	-	-	66/18 36	-	-	-	-	-	-	-
6. SIMULATOR (REFERENCE PLANT) (SIMILAR)	5.00 3.00	12 MONTHS (12 MONTHS) (9 MONTHS)	0/3 9	0/.25 1	0/3 9	0/3 9	0/3 9	0/3 9	0/3 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)	2	2	2	2	2	-	-	-	-	-
8. LICENSED CLASSROOM TRAINING AND EXAM (OWN PLANT)	0.50	9 MONTHS	4 2	2 1	10 5	2 1	7 3.5	4 2	9 4.5	-	-	-
9. PARTICIPATION AT OPERATING PLANT	0.75	12 MONTHS	-	-	12	12	-	12	-	-	-	-
10. OTHER NUCLEAR PLANT EXPERIENCE	0.25	12 MONTHS	78 12	126 12	120 12	52 12	120 12	60 12	258 12	-	-	-
11. CONDUCTING LICENSE TRAINING	0.25	9 MONTHS	-	-	-	-	-	8 2	-	-	-	-
12. DEGREE (ENGINEERING, APPLIED SCIENCE OR EQUIVALENT) (BACHELORS DEGREE) (ASSOCIATES DEGREE)	-	12 MONTHS (12 MONTHS) (6 MONTHS)	12	12	12	12	12	12	12	-	-	-
TOTAL NUCLEAR PLANT EXPERIENCE:			37	28	88	48	38.5	49	37.5	-	-	-
HOT PARTICIPATION EXPERIENCE			-	-	52	60	-	48	-	-	-	-
TIME > 201 PWR/BWR (WKS)			No	No	Yes	Yes	No	Yes	No	-	-	-
STARTUP & SHUTDOWN (YES/NO)			-	-	24	15	-	48	-	-	-	-
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, except for one shift.

