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NLS2020050
August 13, 2020

Thomas J. Farina
Chief Examiner, Region IV
U.S. Nuclear Regulatory Commission
1600 East Lamar Boulevard
Arlington, TX 76011-4511

Subject: Initial Post-Examination Documentation
Cooper Nuclear Station, Docket No. 50-298, DPR-46

Reference: NUREG 1021, Operator Licensing Examination Standards for Power Reactors, Revision 11

Dear Sir:

On August 4, 2020, Reactor Operator and Senior Reactor Operator written examinations were administered at Cooper Nuclear Station (CNS). On August 13, 2020, the following post-examination documentation was transmitted electronically to your office as required by Section ES-501 C.1.b of the reference:

- the graded written examinations (i.e., each applicant's original answer and examination cover sheets) plus a clean copy of each applicant's answer sheet (ES-403, "Grading Initial Site-Specific Written Examinations");
- the master written examination(s) and answer key(s), annotated to indicate any changes made while administering and grading the examination(s) (ES-402, "Administering Initial Written Examinations," and ES-403);
- any questions asked by the applicants and the answers given to the applicants during the written examination (ES-402);
- all examination administration or post-examination review comments made by the facility licensee and the applicants after the written examination and/or operating tests (ES-402);
- the seating chart for the written examination (ES-402);
- a completed Form ES-403-1, "Written Examination Grading Quality Checklist" (ES-403 and Section D.1);

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- the results of any performance analysis that was performed for the written examination, with recommended substantive changes (ES-403);

- original Form ES-201-3, "Examination Security Agreement," with a pre- and post-examination signature by every individual who had detailed knowledge of any part of the operating tests or written examination before they were administered.

There were no changes required to the master examination or answer key during the administration or grading of the examination. There were no substantive comments made by the applicants after the written examination and/or operating tests. A performance analysis of the written examination did not recommend substantive changes to the written examination.

The graded written examinations, questions asked and answers, and written examination performance analysis contain personally identifiable information. As such, we request the NRC to withhold these documents from the public document room per 10 CFR 2.390.

We also request the NRC to withhold the master examination and answer key from the public document room for two years from the date of the exam.

This letter contains no new regulatory commitments. Should you have any questions or require additional information, please contact me at (402) 825-5416 or James Florence, Facility Representative, at (402) 825-5700.

Sincerely,

Linda Dewhirst
Regulatory Affairs and Compliance Manager

/bk

cc: Training Manager
Cooper Nuclear Station

Facility Representative
Cooper Nuclear Station

Operations Training Superintendent
Cooper Nuclear Station

CNS Records

FORM 9 – EXAM ITEM ANALYSIS

Exam ID# CNS 4/2020 ILT NRC Examination

Date Evaluation Instrument Administered: 08/04/2020

Number of Trainees Evaluated: 5

Section A – Any question receiving greater than 50% failure rate ☐ **N/A**

List each question receiving greater than 50% failure rate.

Question Number	Question Failure Rate (%)	Review Conclusion*	Corrective Action
19	60	G	Determined to be a weakness in applicant knowledge. This GAP was resolved during post examination review. No other actions taken.
44	60	G	Determined to be a weakness in applicant knowledge. This GAP was resolved during post examination review. No other actions taken.
52	80	G	Determined to be a weakness in applicant knowledge. This GAP was resolved during post examination review. No other actions taken.

*Review Conclusion

A. Insufficient training for the learning objective tested
B. Learning objectives not adequately covered in the lesson plan
C. Poorly worded or invalid learning objective
D. Poorly worded or invalid test item or answer
E. Incorrect answer in the exam key
F. More than one correct answer
G. Question acceptable
H. Other (state reason in table or on additional sheet)

Section B – Greater than 25% overall exam failure ☒ **N/A**

Conclusion Summary	Corrective Action

Review performed by: Clyde Edgington Date: 08/06/20

Approved by: James B. Florence Date: 08/10/20

Training Supervision

Exam Date: ILT 2020-4 NRC

Individual performance redacted

#2X2	Question Number	Correct Ans	Que Miss %
			RAW POINTS
1	1	b	20.0%
1	2	d	0.0%
1	3	d	40.0%
1	4	a	40.0%
2	5	a	0.0%
1	6	d	0.0%
2	7	c	0.0%
1	8	d	20.0%
1	9	d	0.0%
1	10	a	20.0%
2	11	a	40.0%
1	12	b	20.0%
1	13	a	0.0%
2	14	c	40.0%
2	15	a	0.0%
2	16	b	20.0%
2	17	d	0.0%
2	18	c	0.0%
2	19	c	60.0%
1	20	b	0.0%
2	21	c	20.0%
2	22	d	0.0%
2	23	c	0.0%
1	24	a	0.0%
2	25	d	40.0%
2	26	a	0.0%
1	27	b	0.0%
1	28	c	0.0%
2	29	d	0.0%
1	30	b	20.0%
1	31	c	0.0%
2	32	c	0.0%
1	33	b	20.0%
2	34	c	0.0%
2	35	d	0.0%
1	36	b	0.0%
2	37	d	0.0%
2	38	a	0.0%
2	39	a	0.0%
1	40	c	40.0%
2	41	c	0.0%
1	42	d	40.0%
1	43	a	0.0%
1	44	c	60.0%
1	45	c	0.0%
2	46	c	0.0%
1	47	b	0.0%
2	48	c	40.0%
2	49	c	20.0%
2	50	b	40.0%

Individual performance redacted

2	51	a	20.0%
2	52	b	80.0%
2	53	d	0.0%
1	54	c	0.0%
1	55	d	0.0%
2	56	a	0.0%
2	57	b	0.0%
2	58	b	0.0%
1	59	c	0.0%
1	60	a	40.0%
2	61	a	20.0%
1	62	a	20.0%
2	63	d	0.0%
2	64	c	0.0%
2	65	c	0.0%
2	66	c	20.0%
1	67	a	0.0%
1	68	d	0.0%
1	69	b	0.0%
1	70	a	0.0%
1	71	d	0.0%
1	72	d	0.0%
2	73	b	20.0%
1	74	b	20.0%
2	75	a	0.0%
2	76	b	0.0%
1	77	a	0.0%
1	78	c	0.0%
2	79	d	0.0%
2	80	a	0.0%
2	81	b	0.0%
2	82	d	0.0%
2	83	c	0.0%
1	84	a	0.0%
2	85	b	0.0%
2	86	b	0.0%
1	87	a	0.0%
1	88	d	0.0%
2	89	d	0.0%
1	90	b	0.0%
1	91	a	0.0%
1	92	b	0.0%
1	93	c	0.0%
1	94	c	0.0%
2	95	d	0.0%
2	96	a	0.0%
2	97	c	0.0%
1	98	c	0.0%
2	99	a	0.0%
1	100	b	0.0%
		RO Only	
		SRO ONLY	
		SCORE (%)	

	100	**Total Points**
	100.0	**Average Score on SRO**
	88.7	**Average Score on RO**