Form 2.3-4 Written Examination Quality Checklist

Facility: Byron Date of Exam: 10/16/23 Exam Level: RO ☒ SRO ☒

Item Description				(Y)es / (N)o a	b*	c#
1. Questions and answers are technically accurate and applicable to the facility. Each question includes a technical reference.				B	✓	Y
2. a. All questions reference NRC knowledge and abilities (K/As) requirements. b. Facility learning objectives are referenced as available. c. All questions include an explanation of the correct answer explanation and a distractor analysis.				B	✓	Y
3. Senior reactor operator (SRO) questions test at the SRO license level.				B	✓	Y
4. The sampling process was random and systematic. (If more than four reactor operator (RO) or two SRO questions were repeated from the last two NRC licensing exams, including full (100-question) retake examinations, consult the NRC Office of Nuclear Reactor Regulation operator licensing program office.)				B	✓	Y
5. Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: __ The audit exam was systematically and randomly developed. __ The audit exam was completed before the license exam was started. __ The examinations were developed independently. ✓ The licensee certifies that there is no duplication. __ Other (explain):				B	✓	Y
6. Bank use meets limits (no more than 75% from the bank, at least 10% new (at the comprehension/analysis level), and the rest new or modified); enter the actual RO/SRO-only question distribution >	Bank 28/10	Modified 10/4	New 37/11			
	34/13	11/4	30/8	B	✓	Y
7. Between 38 and 45 questions of the questions on the RO exam and at least 13 of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level; enter the actual RO/SRO-only question distribution >	Memory		C/A			
	34/9		41/16	B	✓	Y
8. References/handouts provided do not give away answers or aid in the elimination of distractors.				B	✓	Y
9. Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the K/A statements' assigned tier; deviations are justified.				B	✓	Y
10. Question psychometric quality and format meet the instructions and guidelines in ES-4.2.				B	✓	Y
11. The exam contains the required number of one-point, multiple-choice items; the total is correct and agrees with the value on the cover sheet.				B	✓	Y

	Printed Name/Signature	Date
a. Author	Barry Mingus /	7-31-23
b. Facility Reviewer (*)	AUSTIN WILKE /	8/1/23
c. NRC Reviewer (#)	Travis D. Iskierka-Boggs Digitally signed by Travis D. Iskierka-Boggs Date: 2023.09.14 09:02:45 -04'00'	
NRC Chief Examiner	Travis D. Iskierka-Boggs Digitally signed by Travis D. Iskierka-Boggs Date: 2023.09.14 09:03:08 -04'00'	
NRC Regional Supervisor	April M. Nguyen Digitally signed by April M. Nguyen Date: 2023.10.04 10:56:28 -05'00'	

* The facility licensee signature is not applicable for NRC-developed tests.
# An independent NRC reviewer performs steps in column c. This may be the NRC Chief Examiner if he/she did not develop the written examination under review.