ES-401 **Written Examination Quality Checklist** **Form ES-401-6**

Facility: QBE Date of Exam: 6/1/2021 Exam Level: RO [X] SRO [ ]

Item Description				Initial a	Initial b*	Initial c*#
1.	Questions and answers are technically accurate and applicable to the facility.			✓	✓	RWB
2.	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available. c. Correct answer explanation and distractor analysis provided (ES-401, D.2.g)			✓	✓	RWB
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			✓	✓	RWB
4	The sampling process was random and systematic. (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).			✓	✓	RWB
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, or ✓ the audit exam was completed before the license exam was started, or __ the examinations were developed independently, or __ the licensee certifies that there is no duplication, or __ other (explain).			✓	✓	RWB
6.	Bank use meets limits (no more than 75% from the bank, at least 10% new, and the rest new or modified); enter the actual RO/SRO-only question distribution(s) at right.	Bank: 27 / 14	Modified: 9 / 16	New: 48 / 11	✓	✓	RWB (1)
7.	Between 38 and 45 questions of the questions on the RO exam and at least 13 questions of the questions on the SRO-only portion of the exam are written at the comprehension/analysis level (see ES-401, D.2.c); enter the actual RO/SRO-only question distribution(s) at right.	Memory: 24 / 6	C/A: 51 / 19		✓	✓	1 RWB (1)
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.				✓	✓	RWB
9.	Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.				✓	✓	RWB
10.	Question psychometric quality and format meet the guidelines in Appendix B.				✓	✓	RWB
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.				✓	✓	RWB

	Printed Name/Signature	Date
a. Author	ANDREW OVERBO	3-18-2021
b. Facility Reviewer (*)	David O. Haberkorn	3-18-2021
c. NRC Chief Examiner (#)	RANDAL DEAN BAKER	5/5/2021
d. NRC Regional Supervisor	Patricia J. Pelke Digitally signed by Patricia J. Pelke Date: 2021.05.28 15:24:27 -05'00'	

Note: * The facility reviewer's initials or signature are not applicable for NRC-developed examinations.
Independent NRC reviewer initials items in Column "c"; chief examiner concurrence is required.

(1) QUANTITIES MODIFIED BASED ON FINAL APPROVED EXAM. RWB