

WRITTEN EXAM ANALYSIS

Millstone 2 Post-Written Examination Comments

Rev 0

Number	RO or SRO	Comment
2	RO	Issue: Two (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
14	RO	Issue: Three (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
35	RO	Issue: All four examinees missed this question. Question was analyzed and discussed with examinees. The original question was changed from "a Loss of Offsite Power" to "an inadvertent SIAS, CIAS, EBFAS, and UV on Facility 2". In the original version, the "B" RBCCW Pump is deenergized and will NOT restart because its SIAS/LNP Block switch is still in the "BLOCK" position. In the revised version of the question, the "B" RBCCW remains energized because it is still powered by Facility 1 (Bus 24E is tied to Bus 24C). As a result of the revision, choice "A" becomes the correct answer and choice "C" becomes an incorrect answer. This question has been revised in the exam bank. (See attached justification)
		Conclusion: Choices B, C, and D were determined to be incorrect. All four examinees should be given credit for choice A.
51	RO	Issue: Two (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
63	RO	Issue: Three (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
65	RO	Issue: Three (of four) examinees missed this question. Question was analyzed and discussed with examinees.
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66	RO	Issue: Three (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
71	RO	Issue: Three (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.
74	RO	Issue: Two (of four) examinees missed this question. Question was analyzed and discussed with examinees.
		Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.

Number	RO or SRO	Comment
77 (2)	SRO	<p>Issue: Four (of eight) examinees missed this question. Question was analyzed and discussed with examinees. Choice "A" is technically incorrect, resulting in NO correct answer. The original answer did not include the phrase, "<i>and place SDC in service.</i>" In-house validation suggested that this phrase be added to complete the requirement to stabilize the plant; however, SDC cannot be placed in service with Pressurizer Pressure instrument, P-103-1 failed high. As a result of the instrument failure, SDC Isolation valve, SI-651, will be interlocked closed, preventing SDC from being placed in service. This error was not recognized during subsequent validation. This question has been revised in the exam bank. (See attached documentation.)</p> <p>Conclusion: With NO correct answer, this question should be deleted from the exam.</p>
84 (9)	SRO	<p>Issue: Four (of eight) examinees missed this question. Question was analyzed and discussed with examinees.</p> <p>Conclusion: Question, distractors, and correct answer were determined to be valid. No further action is necessary.</p>
98(23)	SRO	<p>Issue: Two (of eight) examinees missed this question. While this does NOT meet the criteria for a required review, the question was analyzed and discussed with examinees. Choice "D" is also a correct answer. The stem of the question asks the examinee what must be done "<i>to limit personnel exposure</i>". Choice "D" states, "<i>One train of CRAC must be operating in Recirculation mode no more than 30 minutes after the event.</i>" This is not an incorrect action in order to limit personnel exposure. From the newest Alternate Source Term (AST) analysis for accidents which required the Control Room Air Conditioning System (CRACS) to be placed in the filtered, recirculation mode, the required time for operator action was changed from the previous 10 minute requirement to "within 1 hour". Since placing the CRAC System in filtered recirculation mode is credited as part of the accident analysis for FHA to limit personnel exposure, and given the absence of any procedure directed time requirement within AOP 2577, it can be argued that choice "D" is also an acceptable answer, since 30 minutes is "within 1 hour" as outlined in the accident analysis. (See attached documentation.)</p> <p>Conclusion: The examinees should be given credit for both choice "A" and choice "D".</p>

The entire exam was reviewed with the examinees to ensure any knowledge deficiencies or concerns were addressed.

All other questions on the written exam are valid as written.