

| Q# | 1. LOK (F/H) | 2. LOD (1-5) | 3. Psychometric Flaws | | | | | 4. Job Content Flaws | | | | 5. Other | | 6. U/E/S | 7. Explanation |
|------|--------------------|--------------------|-----------------------|------|-----|----------------|---------|----------------------|---------|-------------|---------------|-----------|-------------|-------------|-------------------|
| | | | Stem Focus | Cues | T/F | Cred. Dist. | Partial | Job- Link | Minutia | #/ units | Back- ward | Q= K/A | SRO Only | | |
| 1N99 | H | 3 | | | | | | | | | | | | S | D, CR, 41.10 |
| 2N99 | H | 3 | | | | | | | | | | | | S | D, CR, 41.9 |
| 3N01 | F | 3 | | | | | | | | | | | | S | D, CR, 41.4 |
| 4N99 | F | 3 | | | | | | | | | | | | S | D, CR, 41.13 |
| 5 | H | 3 | | | | | | | | | | | | S | D, CR, 41.10 |
| 6 | F | 3 | | | | | | | | | | | | S | A, CR, 41.10 |
| 7 | H | 3 | | | | | | | | | | | | S | C, CR, 41.10 |
| 8 | H | 3 | | | | | | | | | | | | S | D, CR, 41.4 |
| 9 | H | 3 | | | | | | | | | | | | S | C, CR, 41.10 |

Instructions
[Refer to Section D of ES-401 and Appendix B for additional information regarding each of the following concepts.]

- Enter the level of knowledge (LOK) of each question as either (F)undamental or (H)igher cognitive level.
- Enter the level of difficulty (LOD) of each question using a 1 - 5 (easy - difficult) rating scale (questions in the 2 - 4 range are acceptable).
- Check the appropriate box if a psychometric flaw is identified:
 - The stem lacks sufficient focus to elicit the correct answer (e.g., unclear intent, more information is needed, or too much needless information).
 - The stem or distractors contain cues (i.e., clues, specific determiners, phrasing, length, etc).
 - The answer choices are a collection of unrelated true/false statements.
 - One or more distractors is (are) not credible.
 - One or more distractors is (are) partially correct (e.g., if the applicant can make unstated assumptions that are not contradicted by stem).
- Check the appropriate box if a job content error is identified:
 - The question is not linked to the job requirements (i.e., the question has a valid K/A but, as written, is not operational in content).
 - The question requires the recall of knowledge that is too specific for the closed reference test mode (i.e., it is not required to be known from memory).
 - The question contains data with an unrealistic level of accuracy or inconsistent units (e.g., panel meter in percent with question in gallons).
 - The question requires reverse logic or application compared to the job requirements.
- Check questions that are sampled for conformance with the approved K/A and those that are designated SRO-only (K/A and license level mismatches are unacceptable).
- Based on the reviewer's judgment, is the question as written (U)nacceptable (requiring repair or replacement), in need of (E)ditorial enhancement, or (S)atisfactory?
- At a minimum, explain any "U" ratings (e.g., how the Appendix B psychometric attributes are not being met).

[illegible]

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| 49 | H | 3 | | | | | | | | | | | | S | B, CR, 41.7 |
| 50 | H | 3 | | | | | | | | | | | | S | A, CR, 41.5 |
| 51 | H | 3 | | | | | | | | | | | | S | C, CR, 41.7 |
| 52 | H | 3 | | | | | | | | | | | | S | A, CR, 41.10 |
| 53 | H | 3 | | | | | | | | | | | | S | D, CR, 41.10 |
| 54 | F | 3 | | | | | | | | | | | | S | B, CR, 41.10 |
| 55 | H | 3 | | | | | | | | | | | | S | D, CR, 41.7 |
| 56 | H | 3 | | | | | | | | | | | | S | D, CR, 41.6 |
| 57 | H | 3 | | | | | | | | | | | | S | D, CR, 41.10 |
| 58 | H | 3 | | | | | | | | | | | | S | A, CR, 41.7 |
| 59 | F | 3 | | | | | | | | | | | | S | D, CR, 41.10 |
| 60 | H | 3 | | | | | | | | | | | | S | C, CR, 41.7 |
| 61 | F | 3 | | | | | | | | | | | | S | B, RC, 41.4 |
| 62 | H | 3 | | | | | | | | | | | | S | B, RC, 41.4 |
| 63 | F | 2 | | | | | | | | | | | | S | C, CR, 41.4 |
| 64 | H | 2 | | | | | | | | | | | E | E | D, CR, 41.10 – This is a borderline SRO question. Recommend referencing a control room refueling procedure that contains the same information if possible. Question rewritten |
| 65 | H | 2 | | | | | | | | | | | | S | B, CR, 41.1 |
| 66 | H | 3 | | | | | | | | | | | | S | C, CR, 41.5 |

[illegible]

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|----|--|--------------|-----------------------|------|-----|------------|---------|----------------------|---------|---------|-----------|----------|----------|----------|----------------|
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| 2. | Bank questions are indicated by B ; Modified are indicated by M ; New questions are indicated by N . Those questions that were previously used on an NRC exam are denoted by the question number followed by an N and the last two digits of the year of the exam (e.g. 26N05). | | | | | | | | | | | | | | |
| 3. | Comment resolution is indicated in <i>blue</i> . | | | | | | | | | | | | | | |
| 4. | Average difficulty is 2.91 on the RO exam and 2.88 on the SRO exam. Both these values are within the 2.8 – 3.2 difficulty band typically seen on an average exam by this reviewer. | | | | | | | | | | | | | | |
| 5. | The 10CFR55.41/43 question distribution for RO and SRO is: | | | | | | | | | | | | | | |
| | 41.1 = 2 | | | | | | | | | | | | | | |