

EXAMINATION OUTLINE CROSS-REFERENCE:	Level:	RO	SRO
	Tier #		1
	Group #		3
	K/A#	028-AK2.02	
	Importance Rating		2.7
Proposed Question: See Attached			
Proposed Answer: See attached			
Explanation (Why the distractors are incorrect): Loss of pressure in the sensing leg will result in lowering level indication.			
Technical Reference(s): DB-OP-06003.03, Step 2.2.9 <div style="float: right; text-align: right;"> Reference Attached: _____ (Attach if not previously provided) </div>			
Proposed references to be provided to applicants during examination:			
Learning Objective (As available): OPS-GOP-113-05K			
Question Source:	Bank # _____	(Note changes or attach parent)	
	Modified Bank # _____		
	New <u> X </u>		
Question History	Previous NRC Exam _____		
	Previous Quiz / Test _____		
Question Cognitive Level:	Memory or Fundamental Knowledge _____		
	Comprehension or Analysis <u> X </u>		
10 CFR Part 55 Content:	55.41 <u> X </u>		
	55.43 _____		
Comments (Why is it an upper level question): The examinee has to diagnose the drop in reference leg pressure is what's causing indicated level to drop.			

Question:

The following plant conditions exist:

- Reactor is at 100% power.
- Pressurizer level is 220 inches on the chart recorder.

The pressurizer level on the chart recorder has dropped to 70 inches indicated over 5 minutes.

Unidentified leakage has risen by 0.5 gpm.

Which one of the following statements is correct concerning the decrease in pressurizer level?

- a. A leak on the pressurizer level reference leg has occurred.
- b. A leak on the pressurizer level sensing leg has occurred.
- c. Pressurizer level temperature compensation has failed low.
- d. Pressurizer level temperature compensation has failed high.

Answer:

- b.

EXAMINATION OUTLINE CROSS-REFERENCE:	Level:	RO	SRO
	Tier #		1
	Group #		3
	K/A#	BW/E13-EK1.02	
	Importance Rating		3.6
Proposed Question: See Attached			
Proposed Answer: See attached			
Explanation (Why the distractors are incorrect): a. Two MU pumps are capable of 200 gpm through a single injection line. b. The dry SG would terminate the overcooling in excess of Tech. Specs. d. One MU pump through a single injection line is capable of 140 gpm.			
Technical Reference(s): DB-OP-02000.05, C-1, Specific Rule 4		Reference Attached: _____ (Attach if not previously provided)	
Proposed references to be provided to applicants during examination:			
Learning Objective (As available): OPS-GOP-301-03S			
Question Source:	Bank # _____ Modified Bank # _____ New <u> X </u>	(Note changes or attach parent)	
Question History	Previous NRC Exam _____ Previous Quiz / Test _____		
Question Cognitive Level:	Memory or Fundamental Knowledge _____ Comprehension or Analysis <u> X </u>		
10 CFR Part 55 Content:	55.41 <u> X </u> 55.43 _____		
Comments (Why is it an upper level question): The examinee must be able to determine that a 300 gpm leak would require both injection lines of makeup or HPI would initiate, either of which requires entry into PTS.			

Question:

Specific Rule 4, PTS Requirements, would need to be invoked in which one of the following conditions if a loss of offsite power occurs:

- a. 200 gpm RCS leak
- b. An overcooling with a dry SG
- c. An SG tube rupture of 300 gpm
- d. A 140 gpm RCS leak with a loss of 4.16 KV Bus C-1

Answer:

- c.

EXAMINATION OUTLINE CROSS-REFERENCE:	Level:	RO	SRO
	Tier #		1
	Group #		3
	K/A#	BW/A05-GEN-2.2.21	
	Importance Rating		3.5
Proposed Question: See Attached			
Proposed Answer: See attached			
Explanation (Why the distractors are incorrect): a. Must have two off-site AC sources. b. Does not meet T.S. 3.8.1.1 requirements. c. Does not meet T.S. 3.8.1.1 requirements.			
Technical Reference(s): T.S. 3.8.1.1		Reference Attached: _____ (Attach if not previously provided)	
Proposed references to be provided to applicants during examination:			
Learning Objective (As available): OPS-GOP-438-02A			
Question Source:	Bank # _____ Modified Bank # _____ New <u> X </u>	(Note changes or attach parent)	
Question History	Previous NRC Exam _____ Previous Quiz / Test _____		
Question Cognitive Level:	Memory or Fundamental Knowledge <u> X </u> Comprehension or Analysis _____		
10 CFR Part 55 Content:	55.41 _____ 55.43 <u> X </u>		
Comments (Why is it an upper level question): This is an SRO level question due to interpretation of T.S. being required.			

Question:

The plant is at 100% power. The air start valves for EDG 1 have been closed to allow for barring of the EDG.

Which one of the following is required once the air start valves are closed?

- a. Verify the remaining EDG and one off-site AC circuit operable.
- b. Verify any two of the AC power sources operable.
- c. Verify one of the off-site AC circuits and one 4.16 KV bus tie transformer.
- d. Verify the remaining EDG and two off-site AC circuits operable.

Answer:

- d.