

**Questions Missed by 50% or Greater of Candidates  
November 2006 Waterford 3 Written Examination**

Qst #	Question Analysis
2	Missed by 5 of 9 candidates. All 5 candidates selected A as the answer. There is no correct answer for this question. A request for NRC review and suggested actions is being submitted on a separate document.
3	Missed by 6 of 9 candidates. 5 candidates selected D as the answer, and 1 candidate selected B. The question tested at a higher cognitive level than required by the referenced objective. A request for NRC review and suggested actions is being submitted on a separate document.
5	Missed by 5 of 9 candidates. 4 candidates selected D as the answer, and 1 candidate selected B. A recent procedure revision makes answers C and D both correct answers. A request for NRC review and suggested actions is being submitted on a separate document.
17	Missed by 5 of 9 candidates. 2 candidates selected C as the answer, 2 candidates selected B, and 1 candidate selected A. The required knowledge is considered too detailed and infrequently used to be expected to be performed from memory. A request for NRC review and suggested actions is being submitted on a separate document.
33	Missed by 7 of 9 candidates. 5 candidates selected D as the answer, and 2 candidates selected B. D is incorrect. The SITs would inject a large volume of cold water into the RCS if pressure were reduced far enough, but this is NOT mentioned as a major concern in the TG. B is incorrect. The SD states that SITs are used to supply borated water to the reactor vessel during the blowdown phase of a LB LOCA. The TG for this step states that this protection is NOT required below 1000 psia. Waterford has determined that this question is valid.
38	Missed by 6 of 9 candidates. All 6 candidates selected A as the answer. 2200°F is the temperature when zirc hydriding becomes self-sustaining, not clad melting threshold. Waterford has determined that this question is valid.
42	Missed by 5 of 9 candidates. 4 candidates selected A as the answer, and 1 candidate selected D. A is incorrect; OP-005-004 requires <100 psid prior to opening MSIV, not <250 psid. D is incorrect; SBCS are verified to be in AUTO prior to pressurizing main steam system. Waterford has determined that this question is valid.
64	Missed by 6 of 9 candidates. All 6 candidates selected D as the answer. The question tested at a different level than required by the referenced objective. A request for NRC review and suggested actions is being submitted on a separate document.
65	Missed by 5 of 9 candidates. 3 candidates selected C as the answer, 1 candidate selected B, and 1 candidate selected A. The question requires memorization of RM indicating range and setpoints. Waterford has determined that this question is valid.
72	Missed by 5 of 9 candidates. 4 candidates selected B as the answer, and 1 candidate selected A. A and B are incorrect. 60 minutes is only 25 rem; 50 rem is the extremity limit for PSEs. A is also incorrect because the Operations Manager authorization is not required for Planned Special Exposures. Waterford has determined that this question is valid.
79	Missed by 2 of 4 candidates. 2 candidates selected C as the answer. OI-038-000 step 5.4.31 for HPSI Throttle Criteria states that at least one charging pump must remain in operation unless this creates a challenge to the pressurizer safety valves. Waterford has determined that this question is valid.

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<b>Qst #</b>	<b>Question Analysis</b>
83	Missed by 2 of 4 candidates. 2 candidates selected A as the answer. OP-003-010, SG Blowdown, Caution for section 8.12 indicates that draining to Main Condenser is preferable to Regen Waste Tank to prevent rad release to RAB. Waterford has determined that this question is valid.
94	Missed by 2 of 4 candidates. 1 candidate selected A as the answer, and 1 candidate selected C. A is incorrect; OP-901-502 Immediate actions are not performed in a security event. OPS must coordinate with Security prior to CR evacuation. C is incorrect; OP-901-523 directs entry into E <sub>1</sub> , Fire section of OP-901-502. Waterford has determined that this question is valid.
99	Missed by 3 of 4 candidates. All 3 candidates selected A as the answer. OP-002-010 Precaution 3.1.6 states that only one sample pump is needed to commence Purge. Waterford has determined that this question is valid.