

Facility: <u>Harris 2014-301</u>		Date of Examination: <u>2/28/14</u>
Examinations Developed by: <u>Facility</u>		NRC
<u>Written</u> <u>Operating Test</u>		Written / Operating Test

  

Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	PGC
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	PGC
-120	3. Facility contact briefed on security and other requirements (C.2.c)	PGC
-120	4. Corporate notification letter sent (C.2.d)	PGC
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	PGC
{-75}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	PGC
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	PGC
{-45}	8. Proposed examinations (including <del>written</del> , walk-through JPMs, and <del>scenarios</del> , as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6), and reference materials due (C.1.e, f, g and h; C.3.d)	PGC
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	PGC
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	PGC
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	PGC
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	PGC
-7	13. <del>Written examinations and</del> operating tests approved by NRC supervisor (C.2.i; C.3.h)	PGC
-7	14. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 4; ES-202, C.2.e; ES-204)	PGC
-7	15. <del>Proctoring/written exam administration guidelines reviewed with facility licensee</del> (C.3.k)	NA
-7	16. Approved <del>scenarios</del> , job performance measures, and questions distributed to NRC examiners (C.3.i)	PGC

\* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.  
 [Applies only] {Does not apply} to examinations prepared by the NRC.

Facility: <u>Harris</u>		Date of Examination: <u>2-27-14</u>		
Item	Task Description	Initials		
		a	b*	c#
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	NA		
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D 1 of ES-401 and whether all K/A categories are appropriately sampled.			
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.			
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.			
2. S I M U L A T O R	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.	NA		
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.			
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.			
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.			
	b. Verify that the administrative outline meets the criteria specified on Form ES-301-1: (1) the tasks are distributed among the topics as specified on the form (2) at least one task is new or significantly modified (3) no more than one task is repeated from the last two NRC licensing examinations			
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.			
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.			
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.			
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.			
	d. Check for duplication and overlap among exam sections.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (RO or SRO).			
a. Author		Printed Name/Signature		Date
b. Facility Reviewer (*)		SCOTT RUA		1-22-2014
c. NRC Chief Examiner ( )		Phillip G. Cepchast		2-24-14
d. NRC Supervisor		MICHAEL T. WIDMAYER		02/25/14
Note: # Independent NRC reviewer initial items in Column "b"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				

# Harris 2014 NRC Retest JPM Exam

ES-201

Examination Security Agreement

Form ES-201-3

## 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of Feb 24, 2014 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

## 2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of Feb 24, 2014. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. <u>Archie Lucky</u>	<u>Instructor/Facility Author</u>	<u>Archie Lucky</u>	<u>1-13-14</u>	<u>Archie Lucky</u>	<u>3/4/14</u>
2. <u>Scott Riva</u>	<u>MOLEMAN Supervisor</u>	<u>Scott Riva</u>	<u>1-13-14</u>	<u>Scott Riva</u>	<u>3-5-14</u>
3. <u>TRUC DUONG</u>	<u>SIM ENG 1</u>	<u>TRUC DUONG</u>	<u>1-13-14</u>	<u>TRUC DUONG</u>	<u>3-4-14</u>
4. <u>Ken Rice</u>	<u>SIM SUPPORT</u>	<u>Ken Rice</u>	<u>1-13-14</u>	<u>Ken Rice</u>	<u>3-4-14</u>
5. <u>Ron L. Wright</u>	<u>SIM Support</u>	<u>Ron L. Wright</u>	<u>1-13-14</u>	<u>Ron L. Wright</u>	<u>3/4/14</u>
6. <u>Ken Oliver</u>	<u>Instructor</u>	<u>Ken Oliver</u>	<u>1-13-14</u>	<u>Ken Oliver</u>	<u>3/4/14</u>
7. <u>Andrew Lee</u>	<u>ADMIN</u>	<u>Andrew Lee</u>	<u>1-10-14</u>	<u>Andrew Lee</u>	<u>3/4/14</u>
8. <u>Taylor Lane</u>	<u>OPS</u>	<u>Taylor Lane</u>	<u>1-22-14</u>	<u>Taylor Lane</u>	<u>3/4/14</u>
9. <u>Scott Scott</u>	<u>MOB NUC OPS TRNG</u>	<u>Scott Scott</u>	<u>01/22/14</u>	<u>Scott Scott</u>	<u>3/5/2014</u>
10. <u>Simon Williams</u>	<u>CRS</u>	<u>Simon Williams</u>	<u>1/21/14</u>	<u>Simon Williams</u>	<u>3/4/14</u>
11. <u>Mark Christopher</u>	<u>CRS</u>	<u>Mark Christopher</u>	<u>1/21/14</u>	<u>Mark Christopher</u>	<u>3/4/14</u>
12. <u>Randal Atkins</u>	<u>CRS</u>	<u>Randal Atkins</u>	<u>1/21/14</u>	<u>Randal Atkins</u>	<u>3/4/14</u>
13. <u>JP M. Nunez</u>	<u>EP SACT</u>	<u>JP M. Nunez</u>	<u>2/10/14</u>	<u>JP M. Nunez</u>	<u>3/5/14</u> ①
14.					
15.					

NOTES:

① Signed off via telecom (on vacation, sent email - attached) - has now signed in person

Facility: <u>Harris Nuclear Plant</u>		Date of Examination: <u>February 28, 2014</u>
Examination Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>		Operating Test Number: <u>2014-301</u>

  

Administrative Topic (see Note)	Type Code*	Describe activity to be performed
Conduct of Operations	M, R	During a loss of shutdown cooling, determine the time that the RCS will reach core boiling and core boil-off conditions (JPM ADM-005-c-SRO)  <i>K/A G2.1.20</i>
Conduct of Operations	N	Determine the amount of RCS inventory that will be drained from RCS during the performance of GP-008, Draining the RCS (JPM ADM-070-a-SRO)  <i>K/A G2.2.25</i>
Equipment Control	P, R	Review (for approval) a completed surveillance procedure for PORV block valves. (JPM ADM-035-b SRO)  <i>K/A G 2.2.12</i>
Radiation Control	D, R	Given a Declared Emergency, Determine the Dose Rate, Dose Limit, and the Number of People to Perform a Task. (JPM ADM-046-c)  <i>K/A G2.3.4</i>
Emergency Procedures/Plan	N	Given a set of conditions, Classify an Event and make a Protective Action Recommendation. (JPM ADM-071-a-SRO)  <i>KA G2.4.41</i>

  

NOTE: All items (5 total) are required for SROs. RO applicants require only 4 items unless they are retaking only the administrative topics, when all 5 are required.

  

* Type Codes & Criteria:	(C)ontrol room, (S)imulator, or Class(R)oom (D)irect from bank ( $\leq 3$ for ROs; $\leq 4$ for SROs & RO retakes) (N)ew or (M)odified from bank ( $\geq 1$ ) (P)revious 2 exams ( $\leq 1$ ; randomly selected)	1 3 1
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## 2013 HNP NRC Retest Exam SRO Admin JPM Summary

**2013 NRC Retest SRO A1-1** – During a loss of shutdown cooling, determine the time that the RCS will reach core boiling and core boil-off conditions. (SRO JPM ADM-005-c-SRO) Modified

*K/A G2.1.20 - Ability to interpret and execute procedure steps.  
(CFR: 41.10 / 43.5 / 45.12) RO 4.6 SRO 4.6*

This bank JPM was modified by changing the dates and times of plant shutdown and values of the core thermocouples. These changes have made the calculated answer substantially different than the bank JPM answer.

The applicant will be provided with initial plant conditions. A plant shutdown for refueling is in progress with the Reactor Vessel head off when a loss of RHR has occurred. The crew is implementing AOP-020, Loss of RCS Inventory or Residual Heat Removal While Shutdown. The SRO applicants must first determine which of the four plant curves to use (H-X-8 through H-X-11) and then calculate the time the RCS will reach core boiling and core boil-off based on the figures.

**2013 NRC Retest SRO A1-2** – Determine the amount of RCS inventory that will be drained from RCS during the performance of GP-008, Draining the RCS (JPM ADM-070-a-SRO) New

*K/A G2.1.25 - Ability to interpret reference materials, such as graphs, curves, tables, ect.  
(CFR: 41.10 / 43.5 / 45.12) RO 3.9 SRO 4.2*

The applicant will be provided with initial plant conditions. A plant shutdown for refueling is in progress with the RCS drain down required from a starting point of mid-loop level and drain down to -70" below the flange. They will be required to calculate the amount of RCS volume in gallons that this drain down will accomplish using GP-008 Attachment 5.

**2013 NRC Retest SRO A2** - Review (for approval) a completed surveillance procedure for PORV block valves. (JPM ADM-035-b SRO) Previous - 2011 NRC Exam randomly selected

*K/A G2.2.12 - Knowledge of surveillance procedures.  
(CFR: 41.10 / 45.13) RO 3.7 SRO 4.1*

The applicant will be provided with a handout of a completed copy of a PORV Block Valve full stroke quarterly surveillance. The procedure contains three (3) errors that the candidate must identify.

**2013 NRC Exam Retest SRO A3** - Given an emergency situation, determine the applicable dose limit and the number of people that will be required to perform the task, with no one exceeding the limit. (JPM ADM-046-c) Direct

*KA G2.3.4 - Knowledge of radiation exposure limits under normal or emergency conditions.  
(CFR: 41.12 / 43.4 / 45.10) RO 3.2 SRO 3.7*

Given an accident and a personnel rescue or protection of valuable equipment scenario, determine stay time and the number of people required to complete the task without exceeding the facility limit.

## **2013 HNP NRC Retest Exam SRO Admin JPM Summary**

**2013 NRC Exam Retest SRO A4** - Given a set of conditions, Classify an Event and make a Protective Action Recommendation. (JPM ADM-071-a-SRO) New

*K/A G2.4.41 - Knowledge of the emergency action level thresholds and classifications  
(CFR: 41.10 / 43.5 / 45.11) RO 2.9 SRO 4.6*

This is a two part JPM.

### **Part 1.**

The applicant will be provided a set of plant conditions and will be required to evaluate the EAL Network to determine if a classification is required. Part 1 of this JPM will be required to be completed within 15 minutes.

### **Part 2.**

If the applicant determines that the classification is a General Emergency the examiner will then provide the applicant with a wind speed and direction and direct the applicant to perform a Protective Action Recommendation (PAR). Part 2 of this JPM will also require the applicant to complete their evaluation within 15 minutes.

# Control Room/In-Plant Systems Outline

Form ES-301-2

Facility: <u>Harris Nuclear Plant</u>		Date of Examination: <u>February 28, 2014</u>
Exam Level: RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>		Operating Test No.: <u>2014-301</u>
Control Room Systems <sup>®</sup> (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)		
System / JPM Title	Type Code*	Safety Function
a. Vent An Unisolable SI Accumulator during a Steam Generator Tube Rupture Event (JPM-CR-284-a) <i>K/A 006 A4.02</i>	A, EN, N, L, S	2
b. Transfer to Hot Leg Recirculation (JPM-CR-066-d) <i>K/A 011 EK3.13</i>	A, EN, M, L, S	3
c. Fuel Handling Accident with Fuel Handling In Progress – Dropped Fuel Assembly (JPM CR-035-b) <i>K/A 034 A2.01</i>	A, P, L, S	8
In-Plant Systems <sup>®</sup> (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)		
d. Local Makeup to the VCT Using the Manual Emergency Boration Valve (JPM IP-088-a) <i>K/A 004 A2.14</i>	D, E, R	1
i. Perform Local Actions for Placing an OT (JPM IP-209-b) <i>K/A 012 A4.04</i>	D, E	7
All RO and SRO-I control room (and in-plant) systems must be different and serve different safety functions; all 5 SRO-U systems must serve different safety functions; in-plant systems and functions may overlap those tested in the control room.		
* Type Codes	Criteria for RO / SRO-I / SRO-U	
(A)lternate path	4-6 / 4-6 / 2-3	3
(C)ontrol room		
(D)irect from bank	≤ 9 / ≤ 8 / ≤ 4	2
(E)mergency or abnormal in-plant	≥ 1 / ≥ 1 / ≥ 1	2
(EN)gineered safety feature	- / - / ≥ 1	2
(L)ow-Power / Shutdown	≥ 1 / ≥ 1 / ≥ 1	3
(N)ew or (M)odified from bank including 1(A)	≥ 2 / ≥ 2 / ≥ 1	2
(P)revious 2 exams	≤ 3 / ≤ 3 / ≤ 2	1
(R)CA	≥ 1 / ≥ 1 / ≥ 1	1
(S)imulator		

## 2013 HNP NRC Retest Exam SRO Simulator and In-Plant JPM Summary

### **JPM a – Vent An Unisolable SI Accumulator during a Steam Generator Tube Rupture Event** (JPM-CR-284-a) New

*K/A 006 A4.02: Emergency Core Cooling System (ECCS) - Ability to manually operate and/or monitor in the control room: Valves  
(CFR: 41.7 / 45.5 to 45.8) RO 4.0 SRO 3.8*

The candidate will be assigned the OATC position. The initial conditions are a Steam Generator tube rupture has occurred on the 'A' SG. The crew entered AOP-016, Excessive Primary Plant Leakage. During the implantation of AOP-016 RCS leakage exceeded VCT makeup capability and the crew manually tripped the Reactor and Safety Injected. The crew entered EOP-E-0. After identifying the 'A' Steam Generator as ruptured the crew transitioned to and are implementing EOP-E-3, Steam Generator Tube Rupture. The CRS will direct the candidate to continue with E-3 starting at step 90 to check if SI accumulators should be isolated. The candidate will check RCS pressure below 1000 psig (Yes) then contact an Aux Operator to locally unlock and close both breakers for each SI accumulator discharge valve. After the discharge valves are energized the candidate will shut each SI accumulator discharge valve (1SI-246, 1SI-247 and 1SI-248). The 'A' Accumulator discharge valve (1SI-246, Accum 1-A-SA Disc Vlv) will not shut and require the candidate to implement the RNO action to vent the unisolable Accumulator using OP-110, Safety Injection, section 8.3. The OP will require the candidate to shut 1SI-287, Accum N2 Supply Isol valve and open 1SI-295, Accumulator 'A' N2 Supply and Vent valve. They will then slowly adjust HC-936, 1SI-298 Accum Vent Press Cntl control potentiometer output signal to open 1SI-298 and vent the Accumulator to Containment. The goal is to vent the 'A' Accumulator to 0 psig. Verification of 'A' Accumulator pressure reduction will be available by observation of MCB pressure indications, ERFIS screen plots, OSI-PI screen plots and annunciators. After the examiner observes both a low pressure alarm for the 'A' Accumulator (ALB-01-7-1, ACCUMULATOR TANK A HIGH-LOW PRESS, setpoint = 602 psig) and approximately a 5 psig pressure reduction a cue for using "time compression" can be given stating that the 'A' accumulator pressure now reads 0 psig. The candidate will then secure the vent process. The JPM will end when the 'A' Accumulator line up is restored.

### **JPM b – Transfer to Hot Leg Recirculation** (JPM-CR-066-d) Modified

*K/A 011 EK3.3 EPE: Loss of Emergency Coolant Recirculation- Knowledge of the reasons for the following responses as they apply to the (Loss of Emergency Coolant Recirculation): Manipulation of controls required to obtain desired operating results during abnormal, and emergency situations.  
(CFR: 41.5 / 41.10, 45.6, 45.13) RO 3.8 SRO 3.8*

The candidate will be assigned the OATC position. The turnover will be that the plant has experienced a Large Break LOCA 6.5 hours ago. The ESF equipment is presently aligned per EOP ES-1.3, Transfer to Cold Leg Recirculation. Enough time has passed since the LOCA to now require implementation of EOP ES-1.4, Transfer to Hot Leg Recirculation. The candidate will be required to complete this lineup. Modification of the JPM includes a failure of one of the Hot Leg injection valves to open (1SI-107). The candidate will be required to implement RNO actions to reopen the previously shut alternate high head SI to cold leg valve 1SI-52 and restart the Train A CSIP. Additionally, the RNO action statement directs consulting the plant operations staff to evaluate the use of Attachment 1 to open valves under pressure locking conditions. The implementation of the attachment will be directed after the candidate completes the 'B' train equipment lineup. The JPM will end when the Hot Leg lineup is complete and both the 'A' and the 'B' CSIPs are in operation.



**2013 HNP NRC Retest Exam  
SRO Simulator and In-Plant JPM Summary**

**JPM c – Fuel Handling Accident with Fuel Handling In Progress – Dropped Fuel Assembly** (JPM CR-035-b) – 2012 NRC Exam JPM randomly selected from bank

*K/A 034 A2.01 Ability to (a) predict the impacts of the following malfunctions or operations on the Fuel Handling System ; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Dropped fuel element*  
(CFR: 41.5 / 43.5 / 45.3 / 45.13) RO 3.6 SRO 4.4

Initial conditions presented to the candidate will be that the plant is in Mode 6 and a core off-load is in progress. RCS temperature is 120°F and the refueling cavity water level is 23'6". The Containment area radiation monitors have gone into high alarm and are trending up. The Control Room has just received notice of a dropped fuel assembly. At this point the candidate will assume the watch. The candidate will be expected to identify that entry conditions to AOP-013 are met and obtain a copy of the AOP. The applicant will perform section 3.0 and transition to section 3.2 for a Fuel Handling Accident in Containment. The candidate will be expected to make a PA announcement and evacuate personnel from the Containment by sounding the Containment Evacuation alarm. While continuing with the AOP they will encounter an Air Handler that did not auto secure and a damper that failed to reposition. They will have to place the components in the correct alignment and report the failures to the CRS.

**JPM d – Local Makeup to the VCT Using the Manual Emergency Boration Valve**

(JPM IP-088-a) Direct - NOTE: This JPM will be performed in the RCA.

*004 A2.14 Ability to (a) predict the impacts of the following malfunctions or operations on the CVCS; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those malfunctions or operations: Emergency boration*  
(CFR: 41.5/ 43/5 / 45/3 / 45/5) RO 3.8 SRO 3.9

The candidate will be informed that the Reactor Makeup Control System has malfunctioned requiring the candidate to locally makeup to the VCT in accordance with Attachment 2 of AOP-003, Malfunction of Reactor Makeup Control. Without a procedure the candidate will be directed by the Main Control Room to locate the manual Emergency Boration and Reactor Makeup Water valves and then simulate positioning these valves to the Control Rooms mark.

**JPM e – Perform Local Actions for Placing an OTΔT Channel in Test** (JPM IP-209-b) Direct

*K/A 012 A4.04 Ability to manually operate and/or monitor in the control room: Bistable, trips, reset and test switches*  
(CFR: 41.7 / 45.5 to 45.8) RO 3.3 SRO 3.3

The candidate will be given initial conditions of the plant was operating at 100% power when Loop 1 Hot Leg temperature input to Tav<sub>g</sub> and OTΔT failed low. They will also be told that all Master Test Switches are to be placed in test for troubleshooting and that the Control Room has placed Rod Control in MANUAL. The candidate will be directed to perform the local actions per OWP-RP-01 for troubleshooting and tripping bistables for Loop 1 Tav<sub>g</sub> and OTΔT to meet Technical Specifications. They will be instructed to inform the Control Room when all switches have been positioned to allow the Control Room to complete the actions required in the Control Room.

Facility: <u>Harris Nuclear Plant</u>		Date of Examination: <u>2-27-14</u>		Operating Test Number: <u>HR 2014301</u>	
1. General Criteria			Initials		
			a	b*	c#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
d.	<del>Overlap with the written examination</del> and between different parts of the operating test is within acceptable limits.	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
2. Walk-Through Criteria			--	--	--
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>• initial conditions</li> <li>• initiating cues</li> <li>• references and tools, including associated procedures</li> <li>• reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee</li> <li>• operationally important specific performance criteria that include: <ul style="list-style-type: none"> <li>- detailed expected actions with exact criteria and nomenclature</li> <li>- system response and other examiner cues</li> <li>- statements describing important observations to be made by the applicant</li> <li>- criteria for successful completion of the task</li> <li>- identification of critical steps and their associated performance standards</li> <li>- restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	<u>L</u>	<u>Sm</u>	<u>Ph</u>	
3. Simulator Criteria			--	--	--
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.			<u>NA</u>	<u>→</u>	
		Printed Name / Signature		Date	
a.	Author	<u>Archibute Lucky</u>		<u>2-12-2014</u>	
b.	Facility Reviewer(*)	<u>Scott R. A. [Signature]</u>		<u>2-12-14</u>	
c.	NRC Chief Examiner (#)	<u>Philip G. Capelhart</u>		<u>2-24-14</u>	
d.	NRC Supervisor	<u>NANCY T. WIDMANN</u>		<u>02/25/14</u>	
<p>NOTE: * The facility signature is not applicable for NRC-developed tests.</p> <p># Independent NRC reviewer initial items in column "c"; chief examiner concurrence required.</p>					