

Facility: Browns Ferry 2013-302 Retake Exam ~~AND~~ Date of Examination: 9/23/2013

Examinations Developed by: Facility / NRC (circle one)

Target Date*	Task Description / Reference	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a & b)	PGC
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	PGC
-120	3. Facility contact briefed on security & 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 3)]	PGC
{-75}	6. Integrated examination outline(s), 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 & 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 written, walk-through JPMs, and scenarios, 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 & 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 & h; C.3.g)	PGC
-7	13. Written examinations and 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 5, ES-202, C.2.e; ES-204)	PGC
-7	15. Proctoring/written exam administration guidelines reviewed with facility (C.3.k)	NA
-7	16. Approved scenarios, 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} to examinations prepared by the NRC.

Facility: Browns Ferry		Date of Examination: September 23, 2013		
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.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	N/A	N/A	N/A
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	N/A	N/A	N/A
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.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
	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.	N/A	N/A	N/A
3. W /	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.	MD	JH	ASL
	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	MD	JH	ASL
	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.	MD	JH	ASL
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.	MD	JH	ASL
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	MD	JH	ASL
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	MD	JH	ASL
	d. Check for duplication and overlap among exam sections.	MD	JH	ASL
	e. Check the entire exam for balance of coverage.	MD	JH	ASL
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	MD	JH	ASL
Printed Name/ Signature a. Author <u>MICHAEL D. GIBSON</u> b. Facility Reviewer <u>DAVID L. HALENEWORTH</u> c. NRC Chief Examiner <u>PHILLIP G. CARP</u> d. NRC Supervisor <u>MALCOLM T. WIDMANN</u>		Date 8/22/13 8-22-13 9-4-13 9/23/13		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				

ILT 1306 JPM Re-Take

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 9/23/13 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 9/23/13. 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
DK ZIELINSKI	EXAM TEAM	<i>[Signature]</i>	8/7/2013	<i>[Signature]</i>	9/26/13	
MICHAEL D. GIBSON	EXAM TEAM	<i>[Signature]</i>	8/7/13	<i>[Signature]</i>	9/26/13	
DANIEL HULGIN	EXAM TEAM	<i>[Signature]</i>	8/7/13	<i>[Signature]</i>	9/26/13	
CHRIS L. VAUGHN	OPS TEAM	<i>[Signature]</i>	8/7/13	<i>[Signature]</i>	9/26/13	
DAVID MCNEEL	EXAM TEAM	<i>[Signature]</i>	8/7/13	<i>[Signature]</i>	9/26/13	
ADRIE R. CHAMPION	Simulation Services	<i>[Signature]</i>	8/8/13	<i>[Signature]</i>	10-24-13	
VAIL A. MILLER	SIM. SERVICES	<i>[Signature]</i>	8/8/13	<i>[Signature]</i>	9/30/13	
JOE LOTERSKI	SIM. SERVICES	<i>[Signature]</i>	8/8/13	<i>[Signature]</i>	9/30/13	
DANIEL M. SNARE	SIM SERVICES	<i>[Signature]</i>	8-8-13	<i>[Signature]</i>	9-30-13	
WILLIAM J. COX	SIM SERVICES	<i>[Signature]</i>	8-8-13	<i>[Signature]</i>	9-30-13	
THOMAS S. ALBRIGHT	SIM SERVICES	<i>[Signature]</i>	8/19/13	<i>[Signature]</i>	9/30/13	
ANNE BELL	EXAM WRITER	<i>[Signature]</i>	8/21/13	<i>[Signature]</i>	9/30/13	
DAVID C. BINKLEY	ILT SUPERVISOR	<i>[Signature]</i>	8/21/13	<i>[Signature]</i>	9/30/13	
DAVID P. NORTON	SIM SERVICES	<i>[Signature]</i>	8/21/13	<i>[Signature]</i>	9/30/13	
PATRICK J. ARONDE	SIM SERVICES	<i>[Signature]</i>	8/21/13	<i>[Signature]</i>	9/30/13	

NOTES:

ILT 1306 JPM Re-Take

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. DORLAS G. HAKENBERG	FACILITY REP	<i>[Signature]</i>	8-19-13	<i>[Signature]</i>	9-26-13	
2. Jonathan S. Duke	RO	<i>[Signature]</i>	9-18-13	<i>[Signature]</i>	9-26-13	
3. LICHENBERG J. PINEGG	RO	<i>[Signature]</i>	9-12-13	<i>[Signature]</i>	10-15-13	
4. Randy Knibb	INSTRUCTOR	<i>[Signature]</i>	9/16/13	<i>[Signature]</i>	11-4-13	
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NOTES:

ILT 1306 JPM Re-Take

ES-201

Examination Security Agreement

Form ES-201-3

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	D.K. Tolinski	Exam Team	[Signature]	8/7/13	[Signature]	9/24/13	
2.	WILLIAM D. GIBSON	Exam Team	[Signature]	8/7/13	[Signature]	9/24/13	
3.	Michael Hsieh	Exam Team	[Signature]	8/7/13	[Signature]	9/24/13	
4.	Chris L. Venable	Ops. Manager	[Signature]	8/7/13	[Signature]	9/24/13	
5.	David McQuinn	Exam Team	[Signature]	8/7/13	[Signature]	9/24/13	
6.	Robert R. Chapman	Simulator Services	[Signature]	8/7/13	[Signature]	9/24/13	
7.	Van N. Miller	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
8.	Joe Lotoski	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
9.	Daniel M. Stone	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
10.	William J. Cox	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
11.	Thomas S. Abbott	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
12.	Ann Abbott	Exam Writer	[Signature]	8/7/13	[Signature]	9/24/13	
13.	Charles C. Conway	ILT Supervisor	[Signature]	8/7/13	[Signature]	9/24/13	
14.	Wanda Padgett	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	
15.	Patricia Annell	Sim. Services	[Signature]	8/7/13	[Signature]	9/24/13	

NOTES

Facility: Browns Ferry NPPDate of Examination: 9/23/2013

Examination Level: RO

Operating Test Number: 1306 Retake

Administrative Topic	Type Code *	Describe activity to be performed
Conduct of Operations RO A1a	N	2.1.7 2/3-SR-2, Mode 3 Operator Rounds, Table 1.13 through 1.22
Conduct of Operations RO A1b	N	2.1.25 Calculate Time to Reach Temperature Targets for Loss of Fuel Pool Cooling
Equipment Control RO A2	M	2.2.13 Determine the clearance boundary for PCS Head Tank Pump 2B
Radiation Control RO A3	D	2.3.12 Locked High Radiation Area Entry Requirements
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: <ul style="list-style-type: none"> (C)ontrol Room (D)irect from bank (≤ 3 for ROs; ≤ 4 for SROs and RO retakes) (N)ew or (M)odified from bank (≥ 1) (P)revious 2 exams (≤ 1; randomly selected) (S)imulator 		

Reactor Operator

1. 2/3-SR-2, Mode 3 Operator Rounds, Table 1.13 through 1.22
 - New
 - 2-SR-2 or 3-SR-2, Instrument Checks and Observations
 - Perform Operator logs in accordance with SR-2 Instrument Checks and Observations for log tables 1.13 through 1.22. Verify acceptance criteria are satisfied in accordance with notes.
 - 2.1.7 Ability to evaluate plant performance and make operational judgments based on operating characteristics, reactor behavior, and instrument interpretation. Importance RO 4.4
2. Calculate Time to Reach Temperature Targets for Loss of Fuel Pool Cooling
 - New
 - 2/3-AOI-78-1, Fuel Pool Cleanup System Failure
 - Calculates time to reach temperature targets for 125° F, 150° F and 200° F for Unit 2 / 3.
 - 2.1.25 Ability to interpret reference materials, such as graphs, curves, tables, etc. Importance RO 3.9
3. Determine the clearance boundary for PCS Head Tank Pump 2B
 - Modified from Bank
 - Drawings 2-47E814-1, 2-45E779-19, 2-47E610-71-1, 2-45E2750-4, and 2-47E751-3 and 5
 - Determine the components that shall be identified to repair the lube oil cooler for Condensate Booster Pump 2B or 3B
 - 2.2.13 Knowledge of tagging and clearance procedures. Importance RO 4.1
4. Locked High Radiation Area Entry Requirements
 - Direct from Bank
 - Handout JPM 548 RWP and Survey Map
 - NPG-SPP 5.1 Radiological Controls
 - Determine dress out requirements and estimate dose to verify within RWP and quarterly limits.
 - 2.3.12 Knowledge of radiological safety principles pertaining to licensed operator duties, such as containment entry requirements, fuel handling responsibilities, access to locked high-radiation areas, aligning filters, etc. Importance RO 3.2

Facility: Browns Ferry NPPDate of Examination: 9/23/2013Exam Level: ROOperating Test No.: 1306 Retake**Control Room Systems® (8 for RO); (7 for SRO-I); (2 or 3 for SRO-U, including 1 ESF)**

System / JPM Title	Type Code*	Safety Function
a. CRD Pump Trip < 900 PSIG Reactor Pressure	A, L, D, S	1
b. Remove RFPT 'A' from Service	A, D, P, S	2
c. Responds to a Stuck Open SRV	A, D, S	3
d. Control Valve Tightness Test	A, L, D, S	4
e. Vent Drywell IAW 2-AOI-64-1	D, EN, S	5
f. Transfer 4KV Unit Board 2B	D, S	6
g. 2/3-SR-3.3.1.1.8(11) RPS Channel Functional	A, N, S	7
h. Return Drywell Continuous Air Monitor to Service	D, S	9

In-Plant Systems® (3 for RO); (3 for SRO-I); (3 or 2 for SRO-U)

i. Control Room Abandonment Pressure Control	R, D, E	3
j. Reset Battery Chargers 1, 2B and 3 in an SSI Fire	N, E	6
k. Removal of RPS SCRAM Fuses	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	4-6/2-3
(C)ontrol room	
(D)irect from bank	$\leq 9/\leq 8/\leq 4$
(E)mergency or abnormal in-plant	$\geq 1/\geq 1/\geq 1$
(EN)gineered safety feature	- / - / ≥ 1 (control room system)
(L)ow-Power / Shutdown	$\geq 1/\geq 1/\geq 1$
(N)ew or (M)odified from bank including 1(A)	$\geq 2/\geq 2/\geq 1$
(P)revious 2 exams	$\leq 3/\leq 3/\leq 2$ (randomly selected)
(R)CA	$\geq 1/\geq 1/\geq 1$
(S)imulator	

Control Room Systems:**a. CRD Pump Trip < 900 PSIG Reactor Pressure (Unit 2 or 3)**

- Alternate Path / Low Power / Direct from Bank / Simulator
- 2/3-AOI-85-3, CRD System Failure
- 201001 Control Rod Drive Hydraulic System A2.01 Ability to (a) predict the impacts of the following on the CONTROL ROD DRIVE HYDRAULIC SYSTEM; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: Pump Trips IMPORTANCE: RO 3.2
- Operator will continue plant startup by withdrawing control rods. Operator will range IRMs as necessary to avoid a Reactor Scram and allow control rod movement. During control rod withdraw the operating CRD Pump will trip and the standby CRD Pump will fail to start. With Reactor Pressure less than 900 psig and unable to restore charging water pressure above 940 psig the Operator will be required to insert a Reactor Scram.

b. Remove RFPT 'A' from Service (Unit 2 or 3)

- Alternate Path / Previous Exam / Simulator
- 2/3-OI-3, Reactor Feedwater System
- 259001 Reactor Feedwater System A4.04 Ability to manually operate and/or monitor in the Control Room: System valves. IMPORTANCE: RO 3.1
- Operator will be directed remove the 2A/3A RFPT from service in accordance with OI-3, Reactor Feedwater System. The operator will identify that the RFPT A discharge check valve fails to close and take actions in accordance with OI-3

c. Responds to a Stuck Open SRV (Unit 2 or 3)

- Alternate Path / Direct from Bank / Simulator
- 2/3-AOI-1-1, Relief Valve Stuck Open
- 239002 Relief / Safety Valves A2.03 Ability to (a) predict the impacts of the following on the Relief / Safety Valves; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: Stuck open SRV IMPORTANCE: RO 4.1
- Responds to a stuck open SRV IAW AOI-1-1, and closes the SRV when the MSRV AUTO ACTUATION LOGIC INHIBIT, 2-XS-1-202 is placed in INHIBIT.

d. Control Valve Tightness Test (Unit 2 or 3)

- Alternate Path / Low Power / Direct from Bank / Simulator
- 2/3-OI-47 Turbine Generator System
- 245000 Main Turbine Generator and Auxiliary Systems A3.05 Ability to monitor automatic operation of the MAIN TURBINE GENERATOR and AUXILIARY SYSTEMS including: Control valve operation IMPORTANCE: RO 3.0
- Control Valve Tightness Test IAW OI-47 section 6.9, responds to high turbine vibrations and trips the Main Turbine

e. Vent Drywell IAW 2-AOI-64-1 (Unit 2)

- Direct from Bank / Engineered Safety Feature / Simulator
- 2-AOI-64-1 Drywell Pressure and/or Temperature High, or Excessive Leakage into Drywell
- 223001 Primary Containment System and Auxiliaries A4.07 Ability to manually operate and/or monitor in the control room: Drywell pressure IMPORTANCE: RO 4.2
- Vent the Drywell IAW AOI-64-1 and then secure Drywell venting.

f. Transfer 4KV Unit Board 2B (Unit 2)

- Direct from Bank / Simulator
- 0-OI-57A, Switchyard and 4160V AC Electrical System
- 262001 Ability to manually operate and/or monitor in the control room: A4.03 Local operation of breakers IMPORTANCE: RO 3.2
- Operator transfers 4KV Unit Board 2B from the USST to the Start Bus per 0-OI-57A.

g. 2/3-SR-3.3.1.1.8(11) RPS Channel Functional with Rod Drifts (Unit 2 or 3)

- Alternate Path / New / Simulator
- 2/3- SR-3.3.1.1.8(11) Reactor Protection System Manual Scram Functional
- 2/3-AOI-85-5, Rod Drift In
- 201002 Reactor Manual Control System A2.02 Ability to (a) predict the impacts of the following on the Reactor Manual Control System; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: Rod drift alarm IMPORTANCE: RO 3.2 SRO 3.3
- Operator directed to perform RPS channel functional. The A RPS channel will test correctly, when the B channel is tested two control rods will scram. The operator will respond to the rod drift alarm and with more than one control rod inserting the operator will be required to insert a manual reactor scram.

h. Return Drywell Continuous Air Monitor to Service (Unit 2 or 3)

- Direct from Bank / Simulator
- 2/3-AOI-100-1, Reactor Scram
- 272000 Radiation Monitoring System A2.10 Ability to (a) predict the impacts of the following on the Radiation Monitoring System; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: Loss of Coolant Accident IMPORTANCE: RO 3.9
- Operator is directed to restore the Drywell Continuous Air Monitor to service IAW 2/3-AOI-100-1.

In-Plant Systems:**i. Control Room Abandonment Pressure Control**

- **RCA / Direct from bank / Emergency or Abnormal In-Plant**
- AOI-100-2 Control Room Abandonment Section 4.2 steps 2 thru 6
- 295016 Control Room Abandonment AA1.08 Ability to operate and / or monitor the following as they apply to Control Room Abandonment: Reactor Pressure
IMPORTANCE: RO 4.0 SRO 4.0
- The operator will transfer control power for Safety Relief Valves to the Backup Control Panel 2-25-32, close the Main Steam Isolation Valves and control reactor pressure in the directed band with safety relief valves IAW 2-AOI-100-2, Control Room Abandonment.

j. Reset Battery Chargers 1, 2B and 3 in an SSI Fire

- **New / Emergency in Plant**
- 0-SSI-1-5, Unit 1, Reactor Building Fire EL 621 and 639 North of Column Line R
- 295004 Partial or Complete Loss of DC Power AA1.02 Ability to operate and/or monitor the following as they apply to Partial or Complete Loss of DC Power: Systems necessary to assure safe plant shutdown IMPORTANCE: RO 3.8
- Perform field actions to reset Battery Chargers 1, 2B and 3 and to bypass 480V load shed logic for Battery Charger 2B, IAW 0-SSI-1-5.

k. Removal of RPS Scram Fuses (Unit 1, 2, and 3)

- **Direct from Bank / Emergency or Abnormal In-Plant**
- 1/2/3-EOI Appendix-1A Removal and Replacement of RPS Scram Solenoid Fuses
- 212000 Reactor Protection System A2.20 Ability to (a) predict the impacts of the following on the REACTOR PROTECTION SYSTEM; and (b) based on those predictions, use procedures to correct, control, or mitigate the consequences of those abnormal conditions or operations: Full system activation (full-SCRAM) IMPORTANCE: RO 4.1 SRO 4.2
- Operator simulates removing RPS Scram Fuses.

Facility: Browns Ferry		Date of Examination: September 23, 2013		Operating Test Number: ILT1306 JPM Retake	
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).	MD	J	DL	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	MD	J	DL	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1 .a.)	MD	J	DL	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	MD	J	DL	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	MD	J	DL	
2. Walk-Through Criteria			a	b*	c#
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> initial conditions initiating cues references and tools, including associated procedures reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time-critical by the facility licensee operationally important specific performance criteria that include: <ul style="list-style-type: none"> detailed expected actions with exact criteria and nomenclature system response and other examiner cues statements describing important observations to be made by the applicant criteria for successful completion of the task identification of critical steps and their associated performance standards restrictions on the sequence of steps, if applicable 	MD	J	DL	
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.	MD	J	DL	
3. Simulator Criteria			a	b*	c#
The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301 -4 and a copy is attached.			N/A	N/A	N/A
		Printed Name / Signature		Date	
a.	Author	MICHAEL D. GIBSON / <i>Michael D. Gibson</i>		8/22/13	
b.	Facility Reviewed (*)	DOUGLAS G. HARKER / <i>Douglas G. Harker</i>		8-22-13	
c.	NRC Chief Examiner (#)	Philip G. Capchant / <i>Phil G. Capchant</i>		9-4-13	
d.	NRC Supervisor	MICHAEL T. WIDEN / <i>Michael T. Widen</i>		09/09/13	
NOTE: * The facility signature is not applicable for NRC-developed tests.					
# Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					