

Facility: <u>Indian Point Unit 2</u>		Date of Examination: <u>02/04/2019</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-240	1. Examination administration date confirmed (C.1.a; C.2.a-b). For NRC-prepared exams, arrangements are made for the facility to submit reference materials (C.1.e; C.3.c; Attachment 3).	<i>Re</i> 06/09/2018
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f).	<i>Re</i> 07/09/2018
-210	3. Facility contact briefed on security and other requirements (C.2.c). As applicable, the facility contact submits to the NRC any prescreened K/As for elimination from the written examination outline, with a description of the facility's prescreening process (ES-401, D.1.b).	<i>Re</i> 06/13/2018
-343	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3). 0	<i>Re</i> N/A
-210	5. Corporate notification letter sent (C.2.e).	<i>Re</i> 07/10/2018
-195	6. NRC-developed written examination outline (ES-401-1/2 or ES-401N-1/2 and ES-401-3 or ES-401N-3) sent to facility contact (must be on the exam security agreement) (C.1.e-f; C.2.h; C.3.d-e).	<i>Re</i> 05/21/2018
-150	7. Operating test outline(s) and other checklists due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, and ES-D-1, as applicable (C.1.e-f; C.3.d-e).	<i>Re</i> 09/06/2018
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d-e).	<i>Re</i> 10/11/2018
-75	9. Proposed examinations (written, JPMs, and scenarios, as applicable) and outlines (Forms ES-301-1, ES-301-2, ES-D-1, ES-401-1/2 or ES-401N-1/2, and ES-401-3 or ES-401N-3); supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, ES-401-6, ES-401N-6, and any Form ES-201-2 and ES-201-3 updates); and reference materials due (C.1.e-h; C.3.d).	<i>Re</i> 11/21/2018
-75	10. Examinations prepared by the NRC are approved by the NRC supervisor and forwarded for facility licensee review (C.1.i; C.2.h; C.3.f-g).	<i>Re</i> 11/21/2018
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	<i>Re</i> 12/06/2018
-50	12. Written exam and operating test reviews completed (C.3.f).	<i>Re</i> 12/16/2018
-35	13. Examination review results discussed between the NRC and facility licensee (C.1.i; C.1.k-l; C.2.h; C.3.g). The NRC and the facility licensee conduct exam preparatory week.	<i>Re</i> 12/31/2018 12/17/2018
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202).	<i>Re</i> 01/05/2019
-14	15. Final license applications and waiver/excusal requests, as applicable (NRC Form 398), due and Form ES-201-4 prepared (C.1.m; C.2.k; ES-202).	<i>Re</i> 01/21/2019
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j-k; C.3.h).	<i>Re</i> 01/28/2019
-7	17. Request facility licensee management feedback on the examination (C.2.l).	<i>Re</i> 01/28/2019
-7	18. Final applications reviewed; one or two (if more than 10) applications audited to confirm qualifications/eligibility; and examination approval and waiver/excusal letters sent (C.2.k; Attachment 5; ES-202, C.3.j; ES-204).	<i>Re</i> 01/28/2019
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k).	<i>Re</i> 01/28/2019
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i).	<i>Re</i> 01/28/2019

* Target dates are based on facility-prepared examinations and the examination date identified in the corporate notification letter. These dates are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.

Facility: ENTERGY INDIAN POINT 2		Date of Examination: 2-4-19		
Item	Task Description	Initials		
		a	b*	c**
W R I T T E N	1. a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	SMF	DP	AS
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 or ES-401N and whether all K/A categories are appropriately sampled.	SMF	DP	AS
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	SMF	DP	AS
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	SMF	DP	AS
S I M U L A T O R	2. 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.	SMF	DP	AS
	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.	SMF	DP	AS
	c. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D and in Section D.5, "Specific Instructions for the 'Simulator Operating Test,'" of ES-301 (including overlap).	SMF	DP	AS
W A L K T H R O U G H	3. a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: (1) The outline(s) contains 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 applicant's 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 radiologically controlled area tasks meets the criteria on the form.	SMF	DP	AS
	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.	SMF	DP	AS
	c. Determine whether there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	SMF	DP	AS
G E N E R A L	4. a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	SMF	DP	AS
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	SMF	DP	AS
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	SMF	DP	AS
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	SMF	DP	AS
	e. Check the entire exam for balance of coverage.	SMF	DP	AS
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	SMF	DP	AS
a. Author <u>Tim Jenkins</u> b. Facility Reviewer (*) <u>David S. Scheppert / David J. Lynch</u> c. NRC Chief Examiner (#) <u>Peter Presby / Peter J. Presby</u> d. NRC Supervisor <u>Donald Jackson / Donald Jackson</u>		Printed Name/Signature Date <u>9/4/18</u> <u>9/4/18</u> <u>10/11/18</u> <u>11/26/18</u>		
* Not applicable for NRC-prepared examination outlines. # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.				

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 2/4/19 & 2/11/19 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's 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's 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 2/4/19 & 2/11/19. 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. Gerald S. Gauding	Exam Developer	<i>Gerald S. Gauding</i>	5/14/18			①
2. Tim Jenkins	Exam Lead	<i>Tim Jenkins</i>	5/14/18	<i>Tim Jenkins</i>	2/15/19	
3. Kurt James	OPS REVIEWER	<i>Kurt James</i>	6/14/18	<i>Kurt James</i>	2/10/19	
4. Adam HuKill	Facility Reviewer	<i>Adam HuKill</i>	6-19-18			①
5. David Scheppert	Facility Reviewer	<i>David Scheppert</i>	8-2-18			①
6. William Swanson	Exam Developer	<i>William Swanson</i>	2/14/18	<i>William Swanson</i>	2/15/19	
7. Rick Murray	CORP OPS TRAINING	<i>Rick Murray</i>	2/14/18	<i>Rick Murray</i>	2/15/19	①
8. Ryan Pelkey	EXAM REVIEWER	<i>Ryan Pelkey</i>	2/14/18	<i>Ryan Pelkey</i>	14 FEB 19	①
9. Gabriel Kimich	EXAM REVIEWER	<i>Gabriel Kimich</i>	1 Nov 18			①
10. William Lucas	EXAM VALIDATOR	<i>William Lucas</i>	5 Nov 18	<i>William Lucas</i>	2/15/19	
11. Chris Borden	Exam Validator	<i>Chris Borden</i>	11/7/18	<i>Chris Borden</i>	2/18/19	
12. Bill Martine	Exam Reviewer	<i>Bill Martine</i>	11/7/18	<i>Bill Martine</i>	2/15/19	
13. Jim Buchal	Exam Reviewer	<i>Jim Buchal</i>	11/8/18	<i>Jim Buchal</i>	2-15-19	
14. Joe Johnson	Exam Reviewer	<i>Joe Johnson</i>	11/14/18			①
15. Nicolas Chase	Exam Validator	<i>Nicolas Chase</i>	1/11/19			①

NOTES:

① Email Response ATTACHED

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 2/4/19 & 2/11/19 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's 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's 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 2/4/19 & 2/11/19. 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. DAVE OWEN	EXAM VALIDATOR	<i>D. Owen</i>	1/4/19	<i>D. Owen</i>	2-19-19	
2. John Baker	Exam Validation	<i>J. Baker</i>	1/4/19	<i>J. Baker</i>	2/14/19	
3. Brian Ravenscroft	Exam Validation	<i>B. Ravenscroft</i>	1/4/19	<i>B. Ravenscroft</i>	2/19/19	
4. James Keedy	Exam Validation	<i>J. Keedy</i>	1/4/19	<i>J. Keedy</i>	2/19/19	
5. DARTIAN BARR	EXAM VALIDATION	<i>D. Barr</i>	1-8-19	<i>D. Barr</i>	2-19-19	
6. WESLEY O'BRIEN	RP SUPERVISOR	<i>W. O'Brien</i>	1-22-19	<i>W. O'Brien</i>	2/19/19	①
7. Julie Kelly	Admin	<i>J. Kelly</i>	1-29-19	<i>J. Kelly</i>	2/19/19	
8. Larry Gullik	Simulator	<i>L. Gullik</i>	1/29/19	<i>L. Gullik</i>	2/19/19	
9. James Tomapat	Exam Validation	<i>J. Tomapat</i>	1/31/19	<i>J. Tomapat</i>	2/15/19	
10. DAVID AXELBY	SIMULATOR	<i>D. Axelby</i>	1/31/19	<i>D. Axelby</i>	2/19/19	
11. CLAYTON GIBBS	Exam Validation	<i>C. Gibbs</i>	2/19/19	<i>C. Gibbs</i>	2/19/19	
12. Gary Martin Jr	RD / Exam Validation	<i>G. Martin Jr</i>	2/19/19	<i>G. Martin Jr</i>	2/19/19	
13. CHARLIE KOSIS	EXAM ADMINISTRATION	<i>C. Kosis</i>	2/19/19	<i>C. Kosis</i>	2/19/19	
14. J						
15.						

NOTES: ① Email Response Attached

OPERATING EXAM

ES-201

1




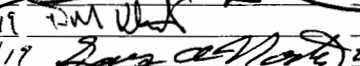
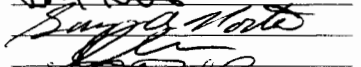
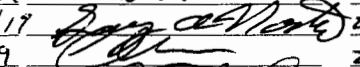
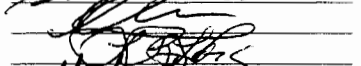
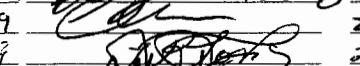
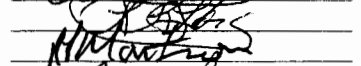
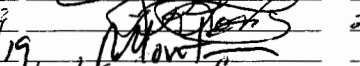
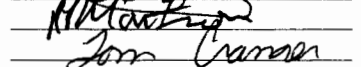
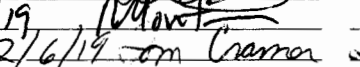
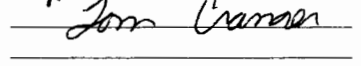
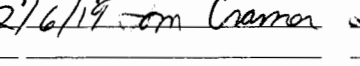
Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 2/4/19 & 2/11/19 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's 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's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. CLIFTON GATES	OPERATIONS/TRAINING		2/4/19		2/11/19	
2. DM KIMBLE	TRAINING		2/4/19		2/14/19	
3. Gary Norton	Training		2/4/19		2/11/19	
4. CHARLES KOCIS	TRAINING		2/4/19		2/11/19	
5. L. Russell Long	OPS/TWG		2/4/19		2/11/19	
6. Rich Montross	Trng		2/4/19		2/15/19	
7. Tom Cramer	Atom Training		2/6/19		2/11/19	
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						

NOTES:

Suneson, Robert R

From: Suneson, Robert R
Sent: Tuesday, February 19, 2019 9:01 AM
To: Chase, Nicolas T; Schepperly, David; O'Brien, Wesley; Axelby, David R; Johnson, Joseph S; Bohren, Christopher
Cc: Suneson, Robert R
Subject: Unit 2 ILO Examination

Gentlemen the exam on Unit 2 is complete and you are required to sign off the security agreement. This is confirming to the best of your knowledge, you did not divulge to any unauthorized persons any information concerning the NRC license examinations administered during the weeks of 2/4/2019-2/15/2019. From the date entered into this security agreement until the completion of the examination administration, you did not instruct, evaluate, or provide performance feedback to those applicants who were administered these license examinations. Respond with the voting button or a response to me.

You may also come to my desk and physically sign off of the agreement.
Thanks Sunny

Please dispose of your badges.

Bob Suneson
IPEC ILO Program Lead
914-254-2635
845-401-6987 (Cell)
845-440-3807 (Home)
sunbson@mac.com

Suneson, Robert R

From: Chase, Nicolas T
Sent: Saturday, February 23, 2019 1:50 AM
To: Suneson, Robert R
Subject: Yes: Unit 2 ILO Examination

Suneson, Robert R

From: Johnson, Joseph S
Sent: Wednesday, February 20, 2019 8:00 AM
To: Suneson, Robert R
Subject: Yes: Unit 2 ILO Examination

Suneson, Robert R

From: O'Brien, Wesley
Sent: Tuesday, February 19, 2019 12:59 PM
To: Suneson, Robert R
Subject: Yes: Unit 2 ILO Examination

Jenkins, Tim M

From: Jenkins, Tim M
Sent: Friday, February 15, 2019 12:59 PM
To: 'gerrr1979@aol.com'; Murray, Richard; Kimich, Gabriel; 'adamhukill@gmail.com'
Subject: IPEC Unit 2 Security Agreement

Tracking:	Recipient	Response
	'gerrr1979@aol.com'	
	Murray, Richard	
	Kimich, Gabriel	Yes: 2/15/2019 1:55 PM
	'adamhukill@gmail.com'	

Gentlemen the exam on Unit 2 is complete and you are required to sign off the security agreement. This is confirming to the best of your knowledge, you did not divulge to any unauthorized persons any information concerning the NRC license examinations administered during the weeks of 2/04/2019-2/15/2019. From the date entered into this security agreement until the completion of the examination administration, you did not instruct, evaluate, or provide performance feedback to those applicants who were administered these license examinations. Respond with the voting button or a response to me.

You may also come to my desk and physically sign off of the agreement.

Thanks Tim

Please return your badges to my desk during the next cycle.

Jenkins, Tim M

From: Adam Hukill <adamhukill@gmail.com>
Sent: Friday, February 15, 2019 1:15 PM
To: Jenkins, Tim M
Subject: Re: IPEC Unit 2 Security Agreement

EXTERNAL SENDER. DO NOT click links, or open attachments, if sender is unknown, or the message seems suspicious in any way. DO NOT provide your user ID or password.

Hi Tim,

I didn't see a vote button, but I did not assist in any way. Did everyone make it thru?

Adam

On Feb 15, 2019, at 12:58 PM, Jenkins, Tim M <TJenkin@entergy.com> wrote:

Gentlemen the exam on Unit 2 is complete and you are required to sign off the security agreement. This is confirming to the best of your knowledge, you did not divulge to any unauthorized persons any information concerning the NRC license examinations administered during the weeks of 2/04/2019-2/15/2019. From the date entered into this security agreement until the completion of the examination administration, you did not instruct, evaluate, or provide performance feedback to those applicants who were administered these license examinations. Respond with the voting button or a response to me.

You may also come to my desk and physically sign off of the agreement.

Thanks Tim

Please return your badges to my desk during the next cycle.

This message is intended for the exclusive use of the intended addressee. If you have received this message in error or are not the intended addressee or his or her authorized agent, please notify me immediately by e-mail, discard any paper copies and delete all electronic files of this message.

Jenkins, Tim M

From: Gerald Gauding <gerrr1979@aol.com>
Sent: Friday, February 15, 2019 1:31 PM
To: Jenkins, Tim M
Subject: Re: IPEC Unit 2 Security Agreement

EXTERNAL SENDER. DO NOT click links, or open attachments, if sender is unknown, or the message seems suspicious in any way. DO NOT provide your user ID or password.

I do so confirm.

Sent from my iPhone

On Feb 15, 2019, at 12:58 PM, Jenkins, Tim M <TJenkin@entergy.com> wrote:

Gentlemen the exam on Unit 2 is complete and you are required to sign off the security agreement. This is confirming to the best of your knowledge, you did not divulge to any unauthorized persons any information concerning the NRC license examinations administered during the weeks of 2/04/2019-2/15/2019. From the date entered into this security agreement until the completion of the examination administration, you did not instruct, evaluate, or provide performance feedback to those applicants who were administered these license examinations.
Respond with the voting button or a response to me.

You may also come to my desk and physically sign off of the agreement.

Thanks Tim

Please return your badges to my desk during the next cycle.

This message is intended for the exclusive use of the intended addressee. If you have received this message in error or are not the intended addressee or his or her authorized agent, please notify me immediately by e-mail, discard any paper copies and delete all electronic files of this message.

Jenkins, Tim M

From: Murray, Richard
Sent: Friday, February 15, 2019 2:20 PM
To: Jenkins, Tim M
Subject: Re: IPEC Unit 2 Security Agreement

Tim you can sign me off I have complied with the security agreement.

Rick Murray

Sent from my Verizon, Samsung Galaxy smartphone

----- Original message -----

From: "Jenkins, Tim M" <TJenkin@entergy.com>
Date: 2/15/19 11:58 AM (GMT-06:00)
To: "gerrr1979@aol.com" <gerrr1979@aol.com>, "Murray, Richard" <rmurra3@entergy.com>, "Kimich, Gabriel" <gkimich@entergy.com>, "adamhukill@gmail.com" <adamhukill@gmail.com>
Subject: IPEC Unit 2 Security Agreement

Gentlemen the exam on Unit 2 is complete and you are required to sign off the security agreement. This is confirming to the best of your knowledge, you did not divulge to any unauthorized persons any information concerning the NRC license examinations administered during the weeks of 2/04/2019-2/15/2019. From the date entered into this security agreement until the completion of the examination administration, you did not instruct, evaluate, or provide performance feedback to those applicants who were administered these license examinations. Respond with the voting button or a response to me.

You may also come to my desk and physically sign off of the agreement.

Thanks Tim

Please return your badges to my desk during the next cycle.

Suneson, Robert R

From: Schepperly, David
Sent: Tuesday, February 19, 2019 5:46 PM
To: Suneson, Robert R
Subject: Yes: Unit 2 ILO Examination

Facility: IPEC Unit 2		Date of Examination: Feb. 4, 2019		Operating Test Number: 1	
1. General Criteria			Initials		
			a	b*	c*
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	DAF	DAF	AS	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	DAF	DAF	AS	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	DAF	DAF	AS	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	DAF	DAF	AS	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	DAF	DAF	AS	
2. Walkthrough Criteria			--	--	--
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 	DAF	DAF	AS	
b.	Ensure that any changes from the previously approved systems and administrative walkthrough outlines (Forms ES-301-1 and ES-301-2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last two NRC examinations) specified on those forms and Form ES-201-2.	DAF	DAF	AS	
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.		DAF	DAF	AS	
a.	Author	Tim Jenkins	Printed Name/Signature		Date
b.	Facility Reviewer (*)	David Schepperly	David Schepperly		11/14/18
c.	NRC Chief Examiner (#)	Peter Presby	Peter Presby		11/26/18
d.	NRC Supervisor	Donald Jackson	Donald Jackson		11/26/18
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.</p>					

Facility: IPEC Unit 2		Date of Exam: 2-4-2019		Scenario Numbers: 1 / 2 / 3		Operating Test No.: 1	
QUALITATIVE ATTRIBUTES			Initials				
			a	b*	c*		
1. The initial conditions are realistic in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.			DNF	DNF	B		
2. The scenarios consist mostly of related events.			DNF	DNF	B		
3. Each event description consists of the following: <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) or conditions that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 			DNF	DNF	B		
4. The events are valid with regard to physics and thermodynamics.			DNF	DNF	B		
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			DNF	DNF	B		
6. If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.			NA	NA	NA		
7. The simulator modeling is not altered.			DNF	DNF	B		
8. The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			DNF	DNF	B		
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.			DNF	DNF	B		
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			DNF	DNF	B		
11. The scenario set provides the opportunity for each applicant to be evaluated in each of the applicable rating factors. (Competency rating factors as described on Forms ES-303-1 and ES-303-3.)			DNF	DNF	B		
12. Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).			DNF	DNF	B		
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.			DNF	DNF	B		
14. The level of difficulty is appropriate to support licensing decisions for each crew position.			DNF	DNF	B		
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes	--	--	--		
1.	Malfunctions after EOP entry (1-2)	3 / 3 / 3	DNF	DNF	B		
2.	Abnormal events (2-4)	2 / 2 / 2	DNF	DNF	B		
3.	Major transients (1-2)	2 / 2 / 2	DNF	DNF	B		
4.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2	DNF	DNF	B		
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	1 / 1 / 1	DNF	DNF	B		
6.	Preidentified critical tasks (≥ 2)	3 / 3 / 2	DNF	DNF	B		
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.</p>							

Facility: IPEC Unit 2		Date of Exam: 2-4-2019	Scenario Numbers: 4 / 5 /	Operating Test No.: 1
QUALITATIVE ATTRIBUTES		Initials		
		a	b*	c*
1. The initial conditions are realistic in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.		SMF	DB	LB
2. The scenarios consist mostly of related events.		SMF	DB	LB
3. Each event description consists of the following: <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) or conditions that are entered to initiate the event the symptoms/cues that will be visible to the crew the expected operator actions (by shift position) the event termination point (if applicable) 		SMF	DB	LB
4. The events are valid with regard to physics and thermodynamics.		SMF	DB	LB
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.		SMF	DB	LB
6. If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.		NA	NA	NA
7. The simulator modeling is not altered.		SMF	DB	LB
8. The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.		SMF	DB	LB
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.		SMF	DB	LB
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).		SMF	DB	LB
11. The scenario set provides the opportunity for each applicant to be evaluated in each of the applicable rating factors. (Competency rating factors as described on Forms ES-303-1 and ES-303-3.)		SMF	DB	LB
12. Each applicant will be significantly involved in the minimum number of transients and events specified on Form ES-301-5 (submit the form with the simulator scenarios).		SMF	DB	LB
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.		SMF	DB	LB
14. The level of difficulty is appropriate to support licensing decisions for each crew position.		SMF	DB	LB
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes	--	--
1. Malfunctions after EOP entry (1-2)	2 / 1 /	SMF	DB	LB
2. Abnormal events (2-4)	2 / 4 /	SMF	DB	LB
3. Major transients (1-2)	1 / 2 /	SMF	DB	LB
4. EOPs entered/requiring substantive actions (1-2)	2 / 1 /	SMF	DB	LB
5. Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	0 / 1 /	SMF	DB	LB
6. Preidentified critical tasks (≥ 2)	2 / 2 /	SMF	DB	LB
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.</p>				

Facility: IPEC Unit 2			Date of Exam: 2-4-2019									Operating Test No.: 1						
A P P L I C A N T	E V E N T T Y P E	Scenarios													T O T A L	M I N I M U M (*) R I U		
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input type="checkbox"/>	RX				2									1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR	2											1	2	1	1	1	
SRO-U <input type="checkbox"/>	I/C	1 6 7			1 3 5 6								2 3 5 6	11	4	4	2	
	MAJ	3 5			4 8								4	5	2	2	1	
	TS	1 2											2 3	4	0	2	2	
RO <input type="checkbox"/>	RX							2						1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR	2			2									2	1	1	1	
SRO-U <input type="checkbox"/>	I/C	1 6 7			1 3 5 6			1 4 5						10	4	4	2	
	MAJ	3 5			4 8			3 6						6	2	2	1	
	TS	1 2			1 3									4	0	2	2	
RO <input type="checkbox"/>	RX											1		1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR	2			2									2	1	1	1	
SRO-U <input type="checkbox"/>	I/C	1 6 7			1 3 5 6								2 3 5	10	4	4	2	
	MAJ	3 5			4 8								4	5	2	2	1	
	TS	1 2			1 3									4	0	2	2	
RO <input type="checkbox"/>	RX		2											1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR							2					1	3	1	1	1	
SRO-U <input type="checkbox"/>	I/C		1 4					1 7					2 3 5 6	8	4	4	2	
	MAJ		3 5					3 6					4	5	2	2	1	
	TS							1 2					2 3	4	0	2	2	

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: IPEC Unit 2			Date of Exam: 2-4-2019									Operating Test No.: 1						
A P P L I C A N T	E V E N T T Y P E	Scenarios												T O T A L	M I N I M U M(*)			
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input type="checkbox"/>	RX												1		1	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR					2		2							2	1	1	1
SRO-U <input type="checkbox"/>	I/C					1 7		1 7					2 3 5		7	4	4	2
	MAJ					4 8		3 6					4		5	2	2	1
	TS							1 2							2	0	2	2
RO <input type="checkbox"/>	RX												1		1	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR				2					2					2	1	1	1
SRO-U <input type="checkbox"/>	I/C				1 3 5 6					1 7			2 3 5		9	4	4	2
	MAJ				4 8					3 6			4		5	2	2	1
	TS				1 3										2	0	2	2
RO <input type="checkbox"/>	RX					2									2	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR									2			1		2	1	1	1
SRO-U <input type="checkbox"/>	I/C					1 3 5 6				1 7			2 3 5 6		10	4	4	2
	MAJ					4 8				3 6			4		5	2	2	1
	TS									1 2			2 3		4	0	2	2
RO <input type="checkbox"/>	RX																	
SRO-I <input type="checkbox"/>	NOR																	
SRO-U <input type="checkbox"/>	I/C																	
	MAJ																	
	TS																	

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: IPEC Unit 2			Date of Exam: 2-4-2019									Operating Test No.: 1						
A P P L I C A N T	E V E N T T Y P E	Scenarios													T O T A L	M I N I M U M(*) R I U		
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO	RX		2											1	1	1	0	
<input checked="" type="checkbox"/> SRO-I	NOR									2				1	1	1	1	
<input type="checkbox"/> SRO-U	I/C		1 4						1 7					2 3 6	4	4	2	
	MAJ		3 5						3 6					4	2	2	1	
	TS													0	0	2	2	
RO	RX								2					1	1	1	0	
<input checked="" type="checkbox"/> SRO-I	NOR			2		2								2	1	1	1	
<input type="checkbox"/> SRO-U	I/C			1 6 7		1 7			1 4 5					8	4	4	2	
	MAJ			3 5		4 8			3 6					6	2	2	1	
	TS													0	0	2	2	
RO	RX		2											1	1	1	0	
<input checked="" type="checkbox"/> SRO-I	NOR					2			2					2	1	1	1	
<input type="checkbox"/> SRO-U	I/C		1 4			1 7			1 7					6	4	4	2	
	MAJ		3 5			4 8			3 6					6	2	2	1	
	TS													0	0	2	2	
RO	RX								2					1	1	1	0	
<input checked="" type="checkbox"/> SRO-I	NOR			2									1	2	1	1	1	
<input type="checkbox"/> SRO-U	I/C			1 6 7					1 4 5					2 3 6	9	4	4	
	MAJ			3 5					3 6				4	5	2	2	1	
	TS													0	0	2	2	

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
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- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

A P P L I C A N T	E V E N T T Y P E	Scenarios													T O T A L	M I N I M U M(*) R I U		
		1			2			3			4							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input checked="" type="checkbox"/>	RX					2								1	1	1	0	
SRO-I <input type="checkbox"/>	NOR			2										1	2	1	1	
SRO-U <input type="checkbox"/>	I/C			1 6 7		1 3 5 6								2 3 6	10	4	4	
	MAJ			3 5		4 8								4	5	2	2	
	TS													0	0	2	2	
RO <input type="checkbox"/>	RX														1	1	0	
SRO-I <input type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	
RO <input type="checkbox"/>	RX														1	1	0	
SRO-I <input type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	
RO <input type="checkbox"/>	RX														1	1	0	
SRO-I <input type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the at-the-controls (ATC) and balance-of-plant (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: IPEC Unit 2		Date of Examination: 2-4-2019				Operating Test No.: 1										
Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	0	1 3-6 8		0	0	0	1-5		0	0		2 4	1-5 7		0	0
Comply with and Use Procedures (1)	1-7	2		1-6	1-7	1-8	1-7		1-7	1-8		1-6	1-7		1-8	1-6
Operate Control Boards (2)	0	1-5 8		0	0	0	1-5		0	0		1-4	1-5 7		0	0
Communicate and Interact	1-7	1-8		1-6	1-7	1-8	1-7		1-7	1-8		1-6	1-7		1-8	1-6
Demonstrate Supervisory Ability (3)	1-7	0		1-6	1-7	1-8	0		1-7	1-8		0	0		1-8	1-6
Comply with and Use TS (3)	1 2	0		2 3	1-2	1 3	0		1-2	1 3		0	0		1 3	2 3
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: IPEC Unit 2		Date of Examination: 2-4-2019		Operating Test No.: 1												
Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions		5	0	2 4 6		0	2 6 7	2 4		0	0	0				
Comply with and Use Procedures (1)		1-8	1-7	1-2 4-6		1-8	1-7	1-6		1-8	1-8	1-6				
Operate Control Boards (2)		1-5 8	0	1 2 4 6		0	1 2 4 6	1-4		0	0	0				
Communicate and Interact		1-5 8	1-7	1-6		1-8	1-7	1-6		1-8	1-8	1-6				
Demonstrate Supervisory Ability (3)		0	1-7	0		1-8	0	0		1-8	1-8	1-6				
Comply with and Use TS (3)		0	1-2	0		1 3	0	0		1 3	1 3	2 3				
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: IPEC Unit 2		Date of Examination: 2-4-2019				Operating Test No.: 1										
Competencies	APPLICANTS															
	RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	1-5 7		2 6 7	2-3	6	5	1-5		1-5 7	5	2 6 7		2 6 7		1-5	2-3
Comply with and Use Procedures (1)	1-7		1-7	1-6	1-7	1-8	1-7		1-7	1-8	1-7		1-7		1-7	1-6
Operate Control Boards (2)	1-5 7		1 2 4 6	1-6	1-6	1-5 8	1-5		1-5 7	1-5 8	1 2 4 6		1 2 4 6		1-5	1-6
Communicate and Interact	1-7		1-7	1-6	1-7	1-5 8	1-7		1-7	1-5 8	1-7		1-7		1-7	1-6
Demonstrate Supervisory Ability (3)	0		0	0	0	0	0		0	0	0		0		0	0
Comply with and Use TS (3)	0		0	0	0	0	0		0	0	0		0		0	0
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

Instructions:

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Forms ES 303 1 and ES 303 3 describe the competency rating factors.)

Facility: IPEC Unit 2		Date of Examination: 2-4-2019		Operating Test No.: 1												
Competencies	APPLICANTS															
	RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	2 6 7	1 3- 6 8		2-3												
Comply with and Use Procedures (1)	1-7	2		1-6												
Operate Control Boards (2)	1 2 4 6	1-5 8		1-6												
Communicate and Interact	1-7	1-8		1-6												
Demonstrate Supervisory Ability (3)	0	0		0												
Comply with and Use TS (3)	0	0		0												
Notes: (1) Includes TS compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

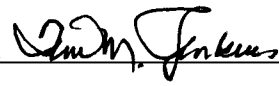
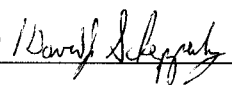
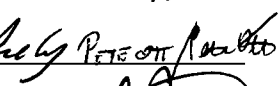
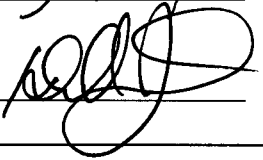
Instructions:

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Facility: IPEC Unit 2		Date of Examination: 2-4-2019		Operating Test No.: 1												
Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4

Facility: <u>IPEC Unit 2</u>		Date of Exam: <u>2/15/19</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
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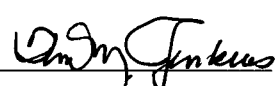
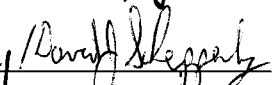
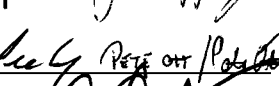

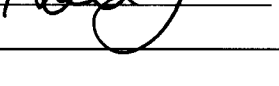
Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	DJF	DJJ	LJ/RO
2. Proposed answer key changes and question deletions justified and documented (facility reviewer initials not required (N/R) if NO post-examination comments are submitted)	DJF	DJJ	LJ/RO
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	DJF	DJJ	LJ/RO
4. Grading for all borderline cases (80% \pm 2% overall and 70% or 80%, as applicable, \pm 4% on the SRO-only exam) reviewed in detail	DJF	DJJ	LJ/RO
5. All other failing examinations checked to ensure that grades are justified	DJF	DJJ	LJ/RO
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by one-half or more of the applicants	DJF	DJJ	LJ/RO

	Printed Name/Signature	Date
a. Grader	<u>Tim M. Jenkins</u> 	<u>2/25/19</u>
b. Facility Reviewer(*)	<u>David Schepperly</u> 	<u>2/27/19</u>
c. NRC Chief Examiner (*)	<u>Peter Presby</u>  <small>PETE OFF / NRC</small>	<u>3/15/19</u> <u>3/25/19</u>
d. NRC Supervisor (*)	<u>Donald Jackson</u> 	<u>3/25/19</u>

(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.

Facility: <u>IPEC Unit 2</u>		Date of Exam: <u>2/15/19</u>		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	
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Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	<u>DMT</u>	<u>DJS</u>	<u>R/cr</u>
2. Proposed answer key changes and question deletions justified and documented (facility reviewer initials not required (N/R) if NO post-examination comments are submitted)	<u>DMT</u>	<u>DJS</u>	<u>R/cr</u>
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>DMT</u>	<u>DJS</u>	<u>R/cr</u>
4. Grading for all borderline cases (80% \pm 2% overall and 70% or 80%, as applicable, \pm 4% on the SRO-only exam) reviewed in detail	<u>DMT</u>	<u>DJS</u>	<u>R/cr</u>
5. All other failing examinations checked to ensure that grades are justified	<u>DMT</u>	<u>DJS</u>	<u>R/cr</u>
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