

Facility: Nine Mile Point Unit 1		Date of Examination: 2/6/17
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
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	F
-150	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	F
-150	3. Facility contact briefed on security and other requirements (C.2.c)	F
-150	4. Corporate notification letter sent (C.2.d)	F
[-120]	5. Reference material due (C.1.e; C.3.c; Attachment 3)	F
{-90}	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, ES-401-1/2, ES-401N-1/2, ES-401-3, ES-401N-3, ES-401-4, and ES-401N-4, as applicable (C.1.e and f; C.3.d)	F
{-85}	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	F
{-60}	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, ES-401N-6, and any Form ES-201-2, ES-201-3, ES-301-1, or ES-301-2 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	F
-45	9. Written exam and operating test reviews completed. (C.3.f)	F
-30	10. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	F
-21	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	F N/A
-21	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	F
-14	13. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	F
-14	14. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	F
-7	15. Facility licensee management queried regarding the licensee's views on the examination. (C.2.j)	F N/A
-7	16. 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)	F
-7	17. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	F
-7	18. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	F
<p>* 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.</p> <p>[Applies only] {Does not apply} to examinations prepared by the NRC.</p>		

Facility:		Date of Examination:		
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 or ES-401N.	PF1	W	BF
	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.	PF1	W	BF
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	PF1	W	BF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	PF1	W	BF
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.	PF1	W	BF
	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.	PF1	W	BF
	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.	PF1	W	BF
3. W A L K T H R O U G H	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.	PF1	W	BF
	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	PF1	W	BF
	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.	PF1	W	BF
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.	PF1	W	BF
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	PF1	W	BF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	PF1	W	BF
	d. Check for duplication and overlap among exam sections.	PF1	W	BF
	e. Check the entire exam for balance of coverage.	PF1	W	BF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	PF1	W	BF
a. Author <u>Paul Isham</u> b. Facility Reviewer (*) <u>Pat O'Brien</u> c. NRC Chief Examiner (#) <u>BRIAN FULLER</u> d. NRC Supervisor <u>DONALD JACKSON</u>		Printed Name/Signature Date <u>10/10/16</u> <u>10/25/16</u> <u>10/31/16</u> <u>10/31/16</u>		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines.				

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 February 6 & 13, 2017 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 \_\_\_\_\_. 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. Thomas R. Harper Jr	Exam Developer	<i>[Signature]</i>	7/21/16			
2. PAUL ISHAM	EXAM AUTHOR	<i>[Signature]</i>	1/18/16			
3. MIKE ALEXANDER	EXAM AUTHOR	<i>[Signature]</i>	1/18/16			
4. Enrique Perez CB	Sim Support	<i>[Signature]</i>	4/15/16			
5. Albert Neveu	Sim Coordinator	<i>[Signature]</i>	4/15/16			
6. Jeff Pedersen	Sim Coordinator	<i>[Signature]</i>	4/18/16			
7. Patrick O'Brien	Facility Rep/ OPS Review	<i>[Signature]</i>	5/25/16			
8. John J. Rizzo Jr	EXAM DEVELOPER	<i>[Signature]</i>	5/26/16			
9. FRED J. BRUNS	OTPS	<i>[Signature]</i>	7/13/16			
10. RON JOHNSON	OPS VALIDATOR SRO	<i>[Signature]</i>	8/17/16			
11. BRIAN BALZER	OPS VALIDATOR SRO	<i>[Signature]</i>	8/17/16			
12. Joshua K. Huse	OPS VALIDATOR RO	<i>[Signature]</i>	8/18/16			
13. Kevin Hinar	OPS VALIDATOR SRO	<i>[Signature]</i>	8/23/16			
14. Phil Carroll	OPS VALIDATOR SRO	<i>[Signature]</i>	8/23/16			
15. ELLIOTT HURLEY	ADMIN SPEC	<i>[Signature]</i>	8/23/16			

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/4/17 + 2/13/17 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 \_\_\_\_\_. 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.	PETE LIBERA	Sim Support	Pete Libera	8/23/16			
2.	Gerald Bobba	Sim Support	Gerald Bobba	8/23/16			
3.	James Luke Revel	SRO / FEIN SRO	James Luke Revel	8/30/16			
4.	Gregory Sings	SRO / US	Gregory Sings	8/30/16			
5.	Berry Henderson	RO	Berry Henderson	8/30/16			
6.	Karl Graham	RO	Karl Graham	8/30/16			
7.	Jeffrey Stun	RP instructor	Jeffrey Stun	11/13/16			
8.	Kelly Weitz	SRO	Kelly Weitz	11/30/16			
9.	Philip Nichols	SRO	Philip Nichols	11/30/16			
10.	B. Westermann	Instructor	B. Westermann	11/30/16			
11.	James Quare	RO	James Quare	1/3/17			
12.	Justin Farele	SRO	Justin Farele	1/3/17			
13.	Leah Mason	OPS INT	Leah Mason	1/4/17			
14.							
15.							

NOTES:

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 February 6 & 13, 2017 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 2/6/17 + 2/13/17. 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. Thomas R. Harper Jr.	Exam Developer	[Signature]	2/21/15	[Signature]	2/13/17 ①
2. PAUL ISHAM	EXAM AUTHOR	[Signature]	1/18/16	[Signature]	2/13/17
3. MIKE ALEXANDER	EXAM AUTHOR	[Signature]	1/18/16	[Signature]	2/13/17
4. Enrique Beredob	Sim Support	[Signature]	4/11/16	[Signature]	2/13/17
5. Albert Neven	Sim Coordinator	[Signature]	4/15/16	[Signature]	2/13/17
6. Jeff Pedersen	Sim Coordinator	[Signature]	4/18/16	[Signature]	2/14/17
7. Patrick O'Brien	Facility Rep/ OPS Review	[Signature]	5/25/16	[Signature]	2/15/17
8. John J. Rizzo Jr.	Exam Developer	[Signature]	5/26/16	[Signature]	2/13/17
9. FRED J. BRUNS	OTPS	[Signature]	7/13/16	[Signature]	2/14/17 ①
10. RON JOHNSON	OPS VALIDATOR SRO	[Signature]	8/17/16	[Signature]	2/14/17 ①
11. BRIAN BALZER	OPS VALIDATOR SRO	[Signature]	2/17/17	[Signature]	2/14/17 ①
12. John K. Huse	OPS VALIDATOR RO	[Signature]	8/18/16	[Signature]	2/14/17
13. Kevin Hiner	OPS VALIDATOR SRO	[Signature]	8/25/16	[Signature]	2/14/17 ①
14. Phil Carroll	OPS VALIDATOR SRO	[Signature]	8/25/16	[Signature]	2/14/17
15. ELIZABETH HURLEY	ADDED SPEC	[Signature]	8/23/16	[Signature]	2/13/17

NOTES:

① PER EMAIL



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/6/17 + 2/13/17 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 2/6/17 + 2/13/17. 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>PETE LIBERA</u>	<u>Sim Support</u>	<u>Pete Libera</u>	<u>8/23/16</u>	<u>Pete Libera</u>	<u>2/13/17</u>	
2.	<u>Gerald Bobka</u>	<u>Sim Support</u>	<u>Gerald Bobka</u>	<u>8/23/16</u>	<u>Gerald Bobka</u>	<u>2/14/17</u>	①
3.	<u>James Luke Revel</u>	<u>SRO / FEIN SRO</u>	<u>James Luke Revel</u>	<u>8/23/16</u>	<u>James Luke Revel</u>	<u>2/14/17</u>	①
4.	<u>Gabe Bixby</u>	<u>SRO / US</u>	<u>Gabe Bixby</u>	<u>8/30/16</u>	<u>Gabe Bixby</u>	<u>2/15/17</u>	①
5.	<u>Gerry Henderson</u>	<u>RO</u>	<u>Gerry Henderson</u>	<u>8/30/16</u>	<u>Gerry Henderson</u>	<u>2/15/17</u>	①
6.	<u>Ken Graham</u>	<u>RO</u>	<u>Ken Graham</u>	<u>8/30/16</u>	<u>Ken Graham</u>	<u>2/15/17</u>	①
7.	<u>Lerrick Stein</u>	<u>RP instructor</u>	<u>Lerrick Stein</u>	<u>11/18/16</u>	<u>Lerrick Stein</u>	<u>2/14/17</u>	①
8.	<u>Kelly Weitz</u>	<u>SRO</u>	<u>Kelly Weitz</u>	<u>11/30/16</u>	<u>Kelly Weitz</u>	<u>2/14/17</u>	①
9.	<u>Philip Nichols</u>	<u>SRO</u>	<u>Philip Nichols</u>	<u>11/30/16</u>	<u>Philip Nichols</u>	<u>2/14/17</u>	①
10.	<u>B. Westerman</u>	<u>Instructor</u>	<u>B. Westerman</u>	<u>11/30/16</u>	<u>B. Westerman</u>	<u>2/14/17</u>	①
11.	<u>Jesse Quae</u>	<u>RO</u>	<u>Jesse Quae</u>	<u>1/3/17</u>	<u>Jesse Quae</u>	<u>2/14/17</u>	①
12.	<u>Estin Faria</u>	<u>RO</u>	<u>Estin Faria</u>	<u>1/3/17</u>	<u>Estin Faria</u>	<u>2/14/17</u>	①
13.	<u>William Mason</u>	<u>OPS INST</u>	<u>William Mason</u>	<u>1/4/17</u>	<u>William Mason</u>	<u>2/14/17</u>	①
14.	<u>Jan VanBracklin</u>	<u>OPS INST</u>	<u>Jan VanBracklin</u>	<u>2/6/17</u>	<u>Jan VanBracklin</u>	<u>2/15/17</u>	
15.	<u>Rebecca Powell</u>	<u>instructor</u>	<u>Rebecca Powell</u>	<u>2/6/17</u>	<u>Rebecca Powell</u>	<u>2/15/17</u>	

NOTES:

① PER EMAIL

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 2/6/17 + 2/13/17 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 2/6/17 + 2/13/17 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>JEFF PUISS</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>2/6/17</u>	<u>[Signature]</u>	<u>2/13/17</u>	
2. <u>JAMES PROCTOR</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>2/6/17</u>	<u>[Signature]</u>	<u>2/13/17</u>	
3. <u>THOMAS MEYER</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>2/6/17</u>	<u>[Signature]</u>	<u>2/13/17</u>	
4. <u>greg raba (a.)</u>	<u>OPS Instructor</u>	<u>greg raba</u>	<u>2-13-17</u>	<u>greg raba</u>	<u>2-13-17</u>	
5. _____	_____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____	_____

NOTES:

Facility: Nine Mile Point Unit 1		Date of Examination: February 2017		Operating Test Number: LC1 15-1	
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).	PM	W	BF	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	PM	W	BF	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	PM	W	BF	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	PM	W	BF	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	PM	W	BF	
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>	PM	W	BF	
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.	PM	W	BF	
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.		PM	W	BF	
<div style="display: flex; justify-content: space-between;"> <div> <p>Printed Name / Signature</p> <p>a. Author <u>Paul Isham /</u></p> <p>b. Facility Reviewer(*) <u>Pat O'Brien /</u></p> <p>c. NRC Chief Examiner (#) <u>Brian Fuller</u></p> <p>d. NRC Supervisor <u>DONALD JACKSON</u></p> </div> <div> <p>Date</p> <p><u>11/30/16</u></p> <p><u>12/5/16</u></p> <p><u>1/25/17</u></p> <p><u>2/2/17</u></p> </div> </div>					
<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>					



Facility: Nine Mile Point 1 Date of Exam: February 2017 Scenario Numbers: 1/2/3/4 Operating Test No.: LC1 15-1

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.	PM	W	BF	
2.	The scenarios consist mostly of related events.	PM	W	BF	
3.	Each event description consists of <ul style="list-style-type: none"> <li>the point in the scenario when it is to be initiated</li> <li>the malfunction(s) or conditions that are entered to initiate the event</li> <li>the symptoms/cues that will be visible to the crew</li> <li>the expected operator actions (by shift position)</li> <li>the event termination point (if applicable)</li> </ul>	PM	W	BF	
4.	The events are valid with regard to physics and thermodynamics.	PM	W	BF	
5.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	PM	W	BF	
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.	PM	W	BF	
7.	The simulator modeling is not altered.	PM	W	BF	
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.	PM	W	BF	
9.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.	PM	W	BF	
10.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	PM	W	BF	
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.)	PM	W	BF	
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).	PM	W	BF	
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	PM	W	BF	
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes	--	--	
1.	Malfunctions after EOP entry (1-2)	3/2/4/2	PM	W	BF
2.	Abnormal events (2-4)	4/3/3/3	PM	W	BF
3.	Major transients (1-2)	1/1/1/1	PM	W	BF
4.	EOPs entered/requiring substantive actions (1-2)	2/2/2/1	PM	W	BF
5.	EOP contingencies requiring substantive actions (0-2)	1/1/1/2	PM	W	BF
6.	EOP based Critical tasks (2-3)	2/2/2/3	PM	W	BF
NOTE: <ul style="list-style-type: none"> <li>* The facility signature is not applicable for NRC-developed tests.</li> <li># Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.</li> </ul>					

Facility: Nine Mile Point Unit 1			Date of Exam: February 2017			Operating Test No.: LC1 15-1									
A P P L I C A N T	E V E N T  T Y P E	Scenarios													
		3			4			1			T O T A L	M I N I M U M (*)			
		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					
		R	I	U											
RO 1 & RO 3	RX		2									1	1	1	0
	NOR						1					1	1	1	1
	I/C		3,5,7,8				4,5,8					7	4	4	2
	MAJ		4				7					2	2	2	1
RO 2 & RO 4	RX					2						1	1	0	1
	NOR			1							1	2	1	1	1
	I/C			2,3,5,6,8		3,6,8				5,6,8		11	4	2	4
	MAJ			4		7				7		3	2	1	2
ISRO 1 & ISRO 2	RX	2			2				2			3	1	1	0
	NOR	1			1							2	1	1	1
	I/C	2,3,5,6,7,8			3, 4, 5,6,8				3,4,5,8			15	4	4	2
	MAJ	4			7				7			3	2	2	1
	TS	1,2,3			3,4							5	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 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 Instant SRO *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 instrument or component malfunctions on a 1-for-1 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 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.



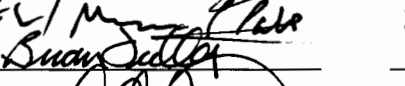


Facility: Nine Mile Point Unit 1      Date of Examination: February 2017      Operating Test No.: LC1 15-1												
Competencies	APPLICANTS											
	RO 1 & RO 3				RO 2 & RO 4				ISRO 1 & ISRO 2			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
			ATC	BOP	BOP		BOP	ATC	ATC		SRO	SRO
Interpret/Diagnose Events and Conditions			3,4,5,7,8	4,5,7,8	5,6,7,8		2,3,4,5,6,8	3,6,7,8	3,4,5,7,8		2,3,4,5,6,7,8	3,4,5,6,7,8
Comply With and Use Procedures (1)			2,3,4,5,7,8	1,4,5,7,8	1,4,5,7,8		1,2,3,4,5,6,8	2,3,6,7,8	2,3,4,5,7,8		All	All
Operate Control Boards (2)			2,3,4,5,7,8	1,4,5,7,8	1,4,5,7,8		1,2,3,4,5,6,8	2,3,6,7,8	2,3,4,5,7,8			
Communicate and Interact			All	All	All		All	All	All		All	All
Demonstrate Supervisory Ability (3)											All	All
Comply With and Use Tech. Specs. (3)											1,2,3	3,4
<b>Notes:</b> (1) Includes Technical Specification 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.*

Facility: **Nine Mile Point Unit 1** Date of Exam: **2/13/17** Exam Level: RO ☒ SRO ☒

Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	PFI	all	MP F
2. Answer key changes and question deletions justified and documented	PFI	nl	MP F
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	PFI	nl	MP F
4. Grading for all borderline cases (80 $\pm$ 2% overall and 70 or 80, as applicable, $\pm$ 4% on the SRO-only) reviewed in detail	PFI	nl	MP F
5. All other failing examinations checked to ensure that grades are justified	N/A	N/A	MP F
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	PFI	nl	MP F

	Printed Name/Signature	Date
a. Grader	Paul Isham / 	2/14/17
b. Facility Reviewer(*)	Pat O'Brien /  MANAN PATEL / 	2/15/17 2/16/17
c. NRC Chief Examiner (*)	Brian Fuller / 	2/16/17
d. NRC Supervisor (*)	Donald Jackson / 	2/16/17

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