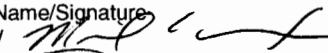


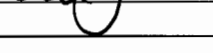


Facility: <u>NMP 2</u>		Date of Examination: <u>Dec 2017</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's 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).	TF
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f).	TF
-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).	TF
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3).	NA
-210	5. Corporate notification letter sent (C.2.e).	TF
-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).	TF
-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).	TF
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d-e).	TF
-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).	TF
-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).	NA
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	TF
-50	12. Written exam and operating test reviews completed (C.3.f).	TF
-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.	TF
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202).	TF
-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).	TF
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j-k; C.3.h).	TF
-7	17. Request facility licensee management feedback on the examination (C.2.l).	TF
-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).	TF
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k).	TF
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i).	TF
* 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: Nine Mile Point Unit 2		Date of Examination: December 2017		
Item	Task Description	Initials		
		a	b*	c**
WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	MA	CBX	TF
	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.	MA	CBX	TF
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	MA	CBX	TF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	MA	CBX	TF
SIMULATOR	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.	MA	CBX	TF
	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.	MA	CBX	TF
	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).	MA	CBX	TF
WALKTHROUGH	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.	MA	CBX	TF
	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.	MA	CBX	TF
	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.	MA	CBX	TF
GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	MA	CBX	TF
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	MA	CBX	TF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	MA	CBX	TF
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	MA	CBX	TF
	e. Check the entire exam for balance of coverage.	MA	CBX	TF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	MA	CBX	TF
a. Author: Michael C. Alexander /  b. Facility Reviewer (*): John B. Toothaker /  c. NRC Chief Examiner (#): Todd Fish /  d. NRC Supervisor: Donald Jackson / 		Date: 7/14/17 7/14/17 7/31/17 8/3/17		

\* Not applicable for NRC-prepared examination outlines.  
 # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.

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 TBD in Fall/Winter 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 12/11/17. 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. Tom Hecker	Exam Developer	<i>[Signature]</i>	3/29/16	<i>[Signature]</i>	12/18/17 ①
2. Mike Alexander	Exam Author	<i>[Signature]</i>	5/16/16	<i>[Signature]</i>	12/18/17 N/A
3. PAUL ISHAM	Exam Author	<i>[Signature]</i>	5/24/16	<i>[Signature]</i>	12/18/17 N/A
4. Enrique Benedicto	Sim Support	<i>[Signature]</i>	3/28/17	<i>[Signature]</i>	12/19/17 N/A
5. Albert Neven	Sim Support	<i>[Signature]</i>	3/28/17	<i>[Signature]</i>	12/19/17 N/A
6. KEVIN MADSEN	Sim Support	<i>[Signature]</i>	4/7/17	<i>[Signature]</i>	12/19/17 N/A
7. John J. Rozell	Exam Developer	<i>[Signature]</i>	4/7/17	<i>[Signature]</i>	12/19/17 N/A
8. John Toothaker	Facility Rep	<i>[Signature]</i>	5/24/17	<i>[Signature]</i>	12/19/17 ②
9. Fred Bruns	OTPS	<i>[Signature]</i>	6/26/17	<i>[Signature]</i>	12/19/17 N/A
10. PERE LIBERA	Sim Support	<i>[Signature]</i>	8/10/17	<i>[Signature]</i>	12/19/17 N/A
11. BOB SPOONER	RO VALIDATOR	<i>[Signature]</i>	9/28/17	<i>[Signature]</i>	12/19/17 ②
12. Kenneth P. Charles	RO Validation	<i>[Signature]</i>	8/28/17	<i>[Signature]</i>	12/19/17 ①
13. Enrique Benedicto	Sim Support	<i>[Signature]</i>	8/28/17	<i>[Signature]</i>	12/19/17 N/A
14. KEVIN MADSEN	Sim Support	<i>[Signature]</i>	8/28/17	<i>[Signature]</i>	12/19/17 N/A
15. JUSTIN WILCOX	RO VALIDATOR	<i>[Signature]</i>	8/29/17	<i>[Signature]</i>	12/18/17 N/A ①

NOTES:

① Per email

② Per Telecom

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. <u>DAN DEANETTE</u>	RO VALIDATOR		8-27-17		12/19/17	①
2. <u>DAN CIEANELLI</u>	SRO VALIDATOR		8-29-17		12/18/17	①
3. <u>Paul Fenn</u>	SRO VALIDATOR		8/30/17		12/18/17	①
4. <u>LEWIS MASON</u>	OPE INSTRUCTOR		8/31/17		12/18/17	N/A
5. <u>DAVID BOTTOFF</u>	RO VALIDATOR		9/6/17		12/18/17	①
6. <u>J TITUS</u>	RO Validator		9/6/17		12/18/17	①
7. <u>Ryan Lown</u>	SRO VALIDATOR		9/12/17		12/19/17	②
8. <u>Robert Pellegrino</u>	Exam Team Member / CERT LEAD		09/18/17		12/18/17	N/A
9. <u>Chris Andrews</u>	RO Validator		9-20-17		12/18/17	N/A ①
10. <u>Chris Marchand</u>	SRO Validator		9/20/17		12/18/17	①
11. <u>Cori Jones</u>	SRO Validator		9/22/17		12/18/17	①
12. <u>Chris Skram</u>	SRO Validator		11/23/17		12/18/17	②
13. <u>BRIAN J MOORE</u>	RO VALIDATOR		10/23/17		12/18/17	①
14. <u>DOUGLAS E. MIZENBER</u>	RO VALIDATOR		10/23/2017		12/19/17	①
15. <u>Michael Starns</u>	SRO Validator		12/1/17		12/19/17	①

NOTES:

① Per email

② Per Telecom

ES-201

## Examination Security Agreement


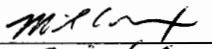
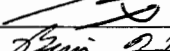
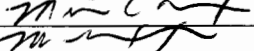


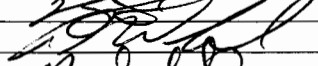

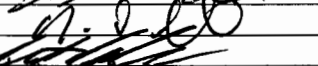

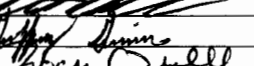
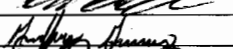

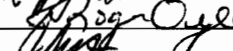
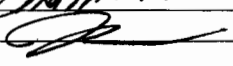
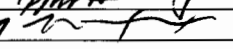
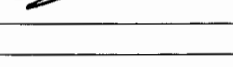


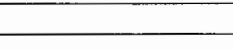


Form ES-201-3

1. Pre-Examination

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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 12/11/17. 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. CARL CLAWSON	SRO VALIDATOR		12/04/17		12/19/17	①
2. D. TRUZZO	RO VALIDATOR		12/5/17		12/18/17	①
3. Ben Bernier	RO Validator		12-5-17		12/19/17	①
4. Roy Koger	ILT LEAD		12/7/17		12/19/17	N/A
5. Patrick Winkler	SM / ILT Trainer		12/11/17		12/18/17	①
6. Nils Dahlin	Instructor		12/11/17		12/19/17	①
7. Marka Bulger	Instructor		12/11/17		12/19/17	N/A
8. George Giorio	INSTRUCTOR		12/6/17		12/19/17	N/A
9. Roger Orzell	Instructor		12/11/17		12/19/17	N/A
10. JIM BARNABY	TRAINING DIRECTOR		12/11/17		12/19/17	N/A
11. John Esberg	Instructor		12/12/17		12/19/17	②
12. Roger Orzell						
13.						
14.						
15.						

NOTES:

① Per email

② Per Telecon

Facility: <b>Nine Mile Point Unit 2</b>		Date of Examination: <b>Dec 2017</b>		Operating Test Number: <b>LC2 16-1</b>	
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).	me	QSK	TF	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	me	QSK	TF	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	me	QSK	TF	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	me	QSK	TF	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	me	QSK	TF	
2. Walkthrough 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>	me	QSK	TF	
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.	me	QSK	TF	
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.		me	QSK	TF	
		Printed Name/Signature		Date	
a.	Author	Mike Alexander / <i>[Signature]</i>		12/6/17	
b.	Facility Reviewer (*)	John Toothaker / <i>[Signature]</i>		12/6/17	
c.	NRC Chief Examiner (#)	Toon Fish / <i>[Signature]</i>		12/7/17	
d.	NRC Supervisor	Dwight Jackson / <i>[Signature]</i>		12/6/17	
<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: <b>Nine Mile Point Unit 2</b> Date of Exam: <b>Dec 2017</b> Scenario Numbers: <b>1/2/3/4/5</b> Operating Test No.: <b>LC2 16-1</b>				
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.	meA	QPA	TF
2.	The scenarios consist mostly of related events.	meA	QPA	TF
3.	Each event description consists of the following: <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>	meA	QPA	TF
4.	The events are valid with regard to physics and thermodynamics.	meA	QPA	TF
5.	Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	meA	QPA	TF
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.	meA	QPA	TF
7.	The simulator modeling is not altered.	meA	QPA	TF
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.	meA	QPA	TF
9.	Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.	meA	QPA	TF
10.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	meA	QPA	TF
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.)	meA	QPA	TF
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).	meA	QPA	TF
13.	Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	meA	QPA	TF
14.	The level of difficulty is appropriate to support licensing decisions for each crew position.	meA	QPA	TF
<b>Target Quantitative Attributes per Scenario (See Section D.5.d)</b>		<b>Actual Attributes</b>	--	--
1.	Malfunctions after EOP entry (1-2)	1/3/2/2/3	meA	QPA
2.	Abnormal events (2-4)	6/4/5/4/4	meA	QPA
3.	Major transients (1-2)	1/2/1/1/1	meA	QPA
4.	EOPs entered/requiring substantive actions (1-2)	2/2/1/2/2	meA	QPA
5.	Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)	1/0/1/1/1	meA	QPA
6.	Preidentified critical tasks ( $\geq 2$ )	3/2/4/4/2	meA	QPA
<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: Nine Mile Point Unit 2				Date of Exam: December 2017				Operating Test No.: LC2 16-1										
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							
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N							
		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					
																R	I	U
RO 5	RX								4						1	1	1	0
	NOR												1		1	1	1	1
	I/C			4,5,6,9					3,6,7,9				3,5,7,8		12	4	4	2
	MAJ			8					8				6		3	2	2	1
	TS															0	2	2
RO 6	RX											5		1	1	1	0	
	NOR						1				1			2	1	1	1	
	I/C						4,5,7				5,6,9		2,4,7,8	10	4	4	2	
	MAJ						6,8				8		6	4	2	2	1	
	TS														0	2	2	
RO 3 & RO 4	RX								4					1	1	1	0	
	NOR						1							1	1	1	1	
	I/C			4,5,6,9			4,5,7		3,6,7,9					11	4	4	2	
	MAJ			8			6,8		8					4	2	2	1	
	TS														0	2	2	
RO 2	RX					2								1	1	1	0	
	NOR										1			1	1	1	1	
	I/C			4,5,6,9		3,5,7					5,6,9			10	4	4	2	
	MAJ			8		6,8					8			4	2	2	1	
	TS														0	2	2	
RO 1	RX		1											1	1	1	0	
	NOR						1							1	1	1	1	
	I/C		2,3,7				4,5,7							6	4	4	2	
	MAJ		8				6,8							3	2	2	1	
	TS														0	2	2	
ISRO 2 & ISRO 4 & ISRO 6	RX	1				2		4						3	1	1	0	
	NOR							1						1	1	1	1	
	I/C	2,3,4,5,6,7,9				3,5,7		2,3,4,5,6,7,9						17	4	4	2	
	MAJ	8				6,8		8						4	2	2	1	
	TS	3,4,6						2,3,4						6	0	2	2	

Facility: Nine Mile Point Unit 2				Date of Exam: December 2017				Operating Test No.: LC2 16-1											
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						
																R	I	U	
ISRO 7	RX		1		2								5			3	1	1	0
	NOR				1								1			2	1	1	1
	I/C		2,3,7		3,4,5 7								2,3,4 5,7,8			13	4	4	2
	MAJ		8		6,8								6			4	2	2	1
	TS				3,5								3,5			4	0	2	2
ISRO 3 & ISRO 5	RX		1		2											2	1	1	0
	NOR				1							1				2	1	1	1
	I/C		2,3,7		3,4,5 7						5,6,9					10	4	4	2
	MAJ		8		6,8						8					4	2	2	1
	TS				3,5											2	0	2	2
ISRO 1	RX	1			2					4						3	1	1	0
	NOR				1											1	1	1	1
	I/C	2,3,4 5,6,7 9			3,4,5 7					3,6,7 9						15	4	4	2
	MAJ	8			6,8					8						4	2	2	1
	TS	3,4,6			3,5											5	0	2	2

Facility: Nine Mile Point Unit 2				Date of Exam: December 2017				Operating Test No.: LC2 16-1									
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(*)		
		5			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				
		R	I	U													
Spare	RX	2	2												1	1	0
	NOR	1		1											1	1	1
	I/C	3,4,5 6,8,9 10	5,6,8 9,10	3,4,8 9,10											4	4	2
	MAJ	7	7	7											2	2	1
	TS	1,3,4													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: Nine Mile Point Unit 2 Date of Examination: December 2017 Operating Test No.: LC2 16-1

Competencies	APPLICANTS															
	RO 5				RO 6				RO 3 & RO 4				RO 2			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
	BOP		ATC	BOP		BOP	BOP	ATC	BOP	BOP	ATC		BOP	ATC	BOP	
Interpret/Diagnose Events and Conditions	4,5,6,8,9		3,6,7,8,9	3,5,6,7,8		4,5,6,7,8	5,6,8,9	2,4,6,7,8	4,5,6,8,9	4,5,6,7,8	3,6,7,8,9		4,5,6,8,9	3,5,6,7,8	5,6,8,9	
Comply with and Use Procedures (1)	4,5,6,8,9		3,4,6,7,8,9	1,3,5,6,7,8		1,4,5,6,7,8	1,5,6,8,9	2,4,5,6,7,8	4,5,6,8,9	1,4,5,6,7,8	3,4,6,7,8,9		4,5,6,8,9	2,3,5,6,7,8	1,5,6,8,9	
Operate Control Boards (2)	4,5,6,8,9		3,4,6,7,8,9	1,3,5,6,7,8		1,4,5,6,7,8	1,5,6,8,9	2,4,5,6,7,8	4,5,6,8,9	1,4,5,6,7,8	3,4,6,7,8,9		4,5,6,8,9	2,3,5,6,7,8	1,5,6,8,9	
Communicate and Interact	All		All	All		All	All	All	All	All	All		All	All	All	
Demonstrate Supervisory Ability (3)																
Comply with and Use TS (3)																

## Notes:

- (1) Includes TS compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Facility: Nine Mile Point Unit 2      Date of Examination: December 2017      Operating Test No.: LC2 16-1

Competencies	APPLICANTS															
	RO 1				ISRO 2 & ISRO 4 & ISRO 6				ISRO 3 & ISRO 5				ISRO 1			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1 ATC	2 BOP	3	4	1 SRO	2 ATC	3 SRO	4	1 ATC	2 SRO	3 BOP	4	1 SRO	2 SRO	3 ATC	4
Interpret/Diagnose Events and Conditions	2,3,7,8	4,5,6,7,8			2,3,4,5,6,7,8,9	3,5,6,7,8	2,3,4,5,6,7,8,9		2,3,7,8	3,4,5,6,7,8	5,6,8,9		2,3,4,5,6,7,8,9	3,4,5,6,7,8	3,6,7,8,9	
Comply with and Use Procedures (1)	1,2,3,7,8	1,4,5,6,7,8			All	2,3,5,6,7,8	All		1,2,3,7,8	All	1,5,6,8,9		All	All	3,4,6,7,8,9	
Operate Control Boards (2)	1,2,3,7,8	1,4,5,6,7,8				2,3,5,6,7,8			1,2,3,7,8		1,5,6,8,9				3,4,6,7,8,9	
Communicate and Interact	All	All			All	All	All		All	All	All		All	All	All	
Demonstrate Supervisory Ability (3)					All		All			All			All	All		
Comply with and Use TS (3)					3,4,6		2,3,4			3,5			3,4,6	3,5		

## Notes:

- (1) Includes TS compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.

Facility: Nine Mile Point Unit 2    Date of Examination: December 2017    Operating Test No.: LC2 16-1

Competencies	APPLICANTS															
	ISRO 7															
	SCENARIO															
	1 ATC	2 SRO	3 SRO	4 SRO												4
Interpret/Diagnose Events and Conditions	2,3,7,8	3,4,5,6,7,8		2,3,4,5,6,7,8												
Comply with and Use Procedures (1)	1,2,3,7,8	All		All												
Operate Control Boards (2)	1,2,3,7,8															
Communicate and Interact	All	All		All												
Demonstrate Supervisory Ability (3)		All		All												
Comply with and Use TS (3)		3,5		3,5												

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: **Nine Mile Point Unit 2** Date of Exam: **12/18/17** Exam Level: RO ☒ SRO ☒

Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	McA	AK	TF
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)	McA	N/R	NA
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	McA	AK	TF
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	N/A	N/A	NA
5. All other failing examinations checked to ensure that grades are justified	N/A	N/A	NA
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	McA	AK	TF

	Printed Name/Signature	Date
a. Grader	Michael C. Alexander / <i>McA</i>	12/19/17
b. Facility Reviewer(*)	Steve N. Caldar / <i>AK</i>	12-19-17
c. NRC Chief Examiner (*)	TODD FISH / <i>Todd Fish</i>	1/5/2018
d. NRC Supervisor (*)	Donald E Jackson / <i>DEJ</i>	1/16/18

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