

Facility: NMP-1Date of Examination: 5/21/2013

(w)

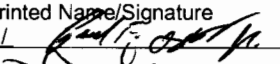
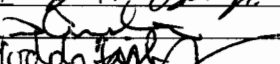
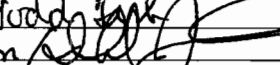
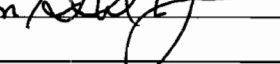
Developed by: Written - Facility ☒ NRC ☐ // Operating - Facility ☒ NRC ☐5/13-17/2013

(o)

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

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

[Applies only] {Does not apply} to examinations prepared by the NRC.

Facility: Nine Mile Point Unit 1		Date of Examination: May 2013			
Item	Task Description	Initials			
		a	b*	c#	
1. W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	PF1	CS	TF	
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	PF1	CS	TF	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	PF1	CS	TF	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	PF1	CS	TF	
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	CS	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.	PF1	CS	TF	
	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	CS	TF	
3. W / T	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	PF1	CS	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	PF1	CS	TF	
	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	CS	TF	
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	CS	TF	
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	PF1	CS	TF	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	PF1	CS	TF	
	d. Check for duplication and overlap among exam sections.	PF1	CS	TF	
	e. Check the entire exam for balance of coverage.	PF1	CS	TF	
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	PF1	CS	TF	
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Supervisor		Printed Name/Signature Paul Fayette Isham Jr. /  Aaron Armstrong /  TODD FISH /  Donald Jackson / 		Date 2/5/2013 2/20/13 2/25/13 3/4/13	
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 May 13th & 20th, 2013 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 5/13 + 5/20/2013. 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. Hooper Jr.	Exam Developer		5/7/12		5/22/13	①
2. PAUL ISHAM	EXAM DEVELOPER		8/3/12		5/22/13	①
3. Jeff Pedersen	Sim Support		8/12/12		5/24/13	
4. Jason Armstrong	LOR Supervisor		8/6/12		5/22/13	
5. Mike Alexander	LOR Exam Developer		8/7/12		5/23/13	
6. John Pizzu	LOR Exam Developer		9/14/12		5/23/13	
7. Claire Malone	Clerical Support		9/14/12		5/22/13	
8. John Arcip	Ops Review		9/27/12		5/28/13	
9. Albert Neven	Sim Support		10/22/12		5/22/13	
10. Enrique Benavides	Sim Support		10/23/12		5/22/13	
11. BEN LIBERA	SIM SUPPORT		10/24/12		5/22/13	
12. DERY BARRES	RP Support		12/5/12		5/22/13	
13. MICHAEL O'BRIEN	OPS		12/19/12		5/22/13	②
14. Geoff Lavallee	OPS		12/19/12		6/7/13	②
15. CHRIS GRAPES	OPS		12-19-12		5/28/13	③

NOTES:

① PER TELECOM

② PER EMAIL

1. Pre-ExaminationMay 13th + 20th 2013

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of _____ 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.

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Philip Nichols	OPS SRO		1/3/13		6/3/13 (2)
2. DAVID MADON	REACTOR OPERATOR		1/2/13		6/2/13 (2)
3. DAVE BALLARD	REACTOR OPERATOR		1/3/13		6/7/13 (2)
4. LAMON DORSE	REACTOR OPERATOR		1/4/13		6/7/13
5. Terry Bickman	OPS CRO		1/7/13		6/7/13
6. DON CRISA	OPS SRO		2/1/13		6/7/13 (2)
7. RICHT DELEND	REACTOR OPERATOR		2-12-13		9/30/13 (2)
8. Kevin Mattessich	SRO		2/12/13		5/28/13
9. Nathan Lilienthal	SRO		2/18/13		9/30/13 (2)
10. Christine Jones	SRO		2-18-13		6/4/13 (2)
11. Joseph Blakely	RO		19 FEB 13		5/30/13 (2)
12. KIP HILTON	RO		19 FEB 13		6/7/13 (2)
13. Jim Vaughn	SRO		3-7-13		5/30/13 (2)
14. Christopher W. Dico	CRO / OPS		3-7-13		5-30-13
15. Robert R. Kellogg	CRO		3-8-13		7/7/13

NOTES:

(2) PER EMAIL

1. Pre-ExaminationMAY 13th + 20th

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of _____ 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

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE NOTE
1. Charles D. Millard	Sc. Project Mgr. - initial trng		3/14/13		5/24/13
2. David M. Hill	Operations Instructor		3/27/13		5/21/2013
3. Stephen Everchuk	Re Operator		4/8/13		5/31/13 (2)
4. ROBERT TRACZ	Rx OPER		4-8-13		5-28-2013
5. Ryan C. Hamilton	Shift Manager		4-8-13		5/25/13
6. Terry Helter	Shift Manager		4-25-13		6/3/13 (2)
7. R.W. Ouelton	GS Ops Planning		5/2/13		6/3/13 (2)
8. Benjamin Geiss	Shift Manager		5/2/13		6/3/13 (2)
9. Ian VanBrocklin	Operations Instructor		5/9/13		5/22/13
10. Rebecca Powell	IT OPERATIONS MGT		5/12/13		5/21/13
11. David Britt	SOIT		5/13/13		5/22/13
12. Matt McDonald	Instructor		5/13/13		5/21/13
13. TOM MEYER	INSTRUCTOR		5/13/13		5/21/13
14. JEFF MYER	INSTRUCTOR		5/13/13		5/21/13
15. Raymond Deane	Mgr, TRAINING		5/13/13		5/21/13

NOTES:


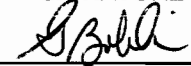
② PER EMAIL

1. Pre-ExaminationMAY 17th + 20th

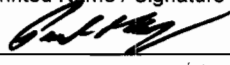
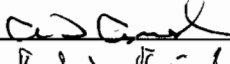
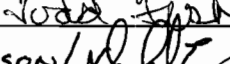
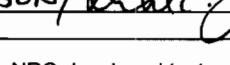
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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	G. Babin	Exam Review		5/17/13		5/24/13	
2.							
3.							
4.							
5.							
6.							
7.							
8.							
9.							
10.							
11.							
12.							
13.							
14.							
15.							

NOTES:

Facility: Nine Mile Point Unit 1		Date of Examination: May 2013		Operating Test Number: LC1 11-01	
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).	PF1	CO	TF	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	PF1	CO	TF	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	PF1	CO	TF	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	PF1	CO	TF	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	PF1	CO	TF	
2. Walk-Through 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 	PF1	CO	TF	
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.	PF1	CO	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.		PF1	CO	TF	
Printed Name / Signature		Date			
a.	Author Paul F. Isham Jr. / 	4/30/13			
b.	Facility Reviewer(**) Aaron Armstrong / 	5/2/13			
c.	NRC Chief Examiner (#) Todd Fish / 	5/8/13			
d.	NRC Supervisor Donald Jackson / 	5/9/13			
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					

Facility: Nine Mile Point Unit 1 Date of Exam: May 2013 Scenario Numbers: 1 / 2 / 3 / 4 / 5 Operating Test No.: LC1 11-01				
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.	PF1	CD	TF
2.	The scenarios consist mostly of related events.	PF1	CD	TF
3.	Each event description consists of <ul style="list-style-type: none"> the point in the scenario when it is to be initiated the malfunction(s) 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) 	PF1	CD	TF
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	PF1	CD	TF
5.	The events are valid with regard to physics and thermodynamics.	PF1	CD	TF
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	PF1	CD	TF
7.	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.	PF1	CD	TF
8.	The simulator modeling is not altered.	PF1	CD	TF
9.	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.	PF1	CD	TF
10.	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.	PF1	CD	TF
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	PF1	CD	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).	PF1	CD	TF
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	PF1	CD	TF
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes	--	--
1.	Total malfunctions (5-8)	7 / 9 / 7 / 6 / 7	PF1	CD
2.	Malfunctions after EOP entry (1-2)	4 / 3 / 2 / 2 / 2	PF1	CD
3.	Abnormal events (2-4)	2 / 3 / 3 / 3 / 2	PF1	CD
4.	Major transients (1-2)	1 / 1 / 1 / 1 / 1	PF1	CD
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 1 / 2 / 2	PF1	CD
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 1 / 1 / 2	PF1	CD
7.	Critical tasks (2-3)	2 / 3 / 2 / 3 / 3	PF1	CD

Facility: Nine Mile Point Unit 1			Date of Exam: May 2013			Operating Test No.: LC1 11-01											
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			5						
		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 1 & RO 3	RX							1						1	1	1	0
	NOR			1										2	2	1	1
	I/C			2, 3, 5, 6, 8					4, 6, 7					4, 5, 6, 8	12	4	2
	MAJ			4					5					7	3	2	1
	TS														0	2	2
RO 2 & RO 4	RX											1		1	1	1	0
	NOR													0*	1	1	1
	I/C					4, 5, 6, 9, 10			1, 3, 4, 6			4, 5, 8, 9		13*	4	4	2
	MAJ					7			5			7		3	2	2	1
	TS														0	2	2
RO 5	RX		1											1	1	1	0
	NOR													0*	1	1	1
	I/C		3, 5, 7			4, 5, 6, 9, 10			1, 3, 4, 6					12*	4	4	2
	MAJ		4			7			5					3	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 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.

Facility: Nine Mile Point Unit 1				Date of Exam: May 2013				Operating Test No.: LC1 11-01									
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			5						
		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 6	RX							1						1	1	1	0
	NOR			1										1	1	1	1
	I/C			2, 3, 5, 6, 8					4, 6, 7					8	4	4	2
	MAJ			4					5					2	2	2	1
	TS														0	2	2
RO 7	RX		1											1	1	1	0
	NOR													0*	1	1	1
	I/C		3, 5, 7				4, 5, 6, 9, 10							8*	4	4	2
	MAJ		4				7							2	2	2	1
	TS														0	2	2
RO 8	RX					1								1	1	1	0
	NOR			1										1	1	1	1
	I/C			2, 3, 5, 6, 8		3, 5, 8, 9								9	4	4	2
	MAJ			4		7								2	2	2	1
	TS														0	2	2
ISRO 1 & ISRO 3	RX					1								1	1	1	0
	NOR	1												1	1	1	1
	I/C	2, 3, 5, 6, 7, 8				3, 5, 8, 9		1, 2, 3, 4, 6, 7						16	4	4	2
	MAJ	4				7		5						3	2	2	1
	TS	1, 2, 3						2, 3						5	0	2	2

Facility: Nine Mile Point Unit 1				Date of Exam: May 2013				Operating Test No.: LC1 11-01											
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			5								
		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		
ISRO 2 & ISRO 4	RX		1		1								1			3	1	1	0
	NOR												2			1	1	1	1
	I/C		3, 5, 7		2, 3, 4, 5, 6, 8, 9, 10								3, 4, 5, 6, 8, 9			17	4	4	2
	MAJ		4		7								7			3	2	2	1
	TS				2, 4								3, 5			4	0	2	2
ISRO 5	RX					1										1	1	1	0
	NOR	1														1	1	1	1
	I/C	2, 3, 5, 6, 7, 8				3, 5, 8, 9										10	4	4	2
	MAJ	4				7										2	2	2	1
	TS	1, 2, 3														3	0	2	2
USRO 1	RX				1											1	1	1	0
	NOR															0*	1	1	1
	I/C				2, 3, 4, 5, 6, 8, 9, 10				1, 2, 3, 4, 6, 7							14*	4	4	2
	MAJ				7				5							2	2	2	1
	TS				2, 4				2, 3							4	0	2	2
USRO 2	RX				1											1	1	1	0
	NOR	1														1	1	1	1
	I/C	2, 3, 5, 6, 7, 8			2, 3, 4, 5, 6, 8, 9, 10											14	4	4	2
	MAJ	4			7											2	2	2	1
	TS	1, 2, 3			2, 4											5	0	2	2

Facility: Nine Mile Point Unit 1 Date of Examination: May 2013 Operating Test No.: LC1 11-01

Competencies	APPLICANTS															
	RO 1 & RO 3				RO 2 & RO 4				RO 5				RO 6			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	5	1	2	3	5	1	2	3	5	1	2	3	5
	BOP		ATC	BOP		BOP	BOP	ATC	ATC	BOP	BOP		BOP		ATC	
Interpret/Diagnose Events and Conditions	2, 3, 4, 5, 6, 8		4, 5, 6, 7	3, 4, 5, 6, 7, 8		2, 4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6	4, 5, 7, 8, 9	3, 4, 5, 7	2, 4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6		2, 3, 4, 5, 6, 8		4, 5, 6, 7	
Comply With and Use Procedures (1)	1, 2, 3, 4, 5, 6, 8		1, 4, 5, 6, 7	2, 3, 4, 5, 6, 7, 8		2, 4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6	1, 4, 5, 7, 8, 9	1, 3, 4, 5, 7	2, 4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6		1, 2, 3, 4, 5, 6, 8		1, 4, 5, 6, 7	
Operate Control Boards (2)	1, 2, 3, 4, 5, 6, 8		1, 4, 5, 6, 7	2, 4, 5, 6, 7, 8		4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6	1, 4, 5, 7, 8, 9	1, 3, 4, 5, 7	4, 5, 6, 7, 9, 10	1, 3, 4, 5, 6		1, 2, 3, 4, 5, 6, 8		1, 4, 5, 6, 7	
Communicate and Interact	All		All	All		All	All	All	All	All	All		All		All	
Demonstrate Supervisory Ability (3)																
Comply With and Use Tech. Specs. (3)																

Notes:

- (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 Examination: May 2013 Operating Test No.: LC1 11-01																
Competencies	APPLICANTS															
	RO 7				RO 8				ISRO 1 & ISRO 3				ISRO 2 & ISRO 4			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	5	1	2	3	5	1	2	3	5	1	2	3	5
	ATC	BOP			BOP	ATC			SRO	ATC	SRO		ATC	SRO		SRO
Interpret/Diagnose Events and Conditions	3, 4, 5, 7	2, 4, 5, 6, 7, 9, 10			2, 3, 4, 5, 6, 8	3, 5, 7, 8, 9			2, 3, 4, 5, 6, 7, 8	3, 5, 7, 8, 9	All		3, 4, 5, 7	2, 3, 4, 5, 6, 7, 8, 9, 10		3, 4, 5, 6, 7, 8, 9
Comply With and Use Procedures (1)	1, 3, 4, 5, 7	2, 4, 5, 6, 7, 9, 10			1, 2, 3, 4, 5, 6, 8	1, 3, 5, 7, 8, 9			All	1, 3, 5, 7, 8, 9	All		1, 3, 4, 5, 7	All		All
Operate Control Boards (2)	1, 3, 4, 5, 7	4, 5, 6, 7, 9, 10			1, 2, 3, 4, 5, 6, 8	1, 3, 5, 7, 8, 9				1, 3, 5, 7, 8, 9			1, 3, 4, 5, 7			
Communicate and Interact	All	All			All	All			All	All	All		All	All		All
Demonstrate Supervisory Ability (3)									All		All			All		All
Comply With and Use Tech. Specs. (3)									2, 3		2, 3			2, 4		3, 5

Notes:

- (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 Examination: May 2013 Operating Test No.: LC1 11-01														
Competencies	APPLICANTS													
	ISRO 5				USRO 1				USRO 2					
	SCENARIO				SCENARIO				SCENARIO					
	1	2	3	5	1	2	3	5	1	2	3	5		
	SRO	ATC				SRO	SRO		SRO	SRO				
Interpret/Diagnose Events and Conditions	2, 3, 4, 5, 6, 7, 8	3, 5, 7, 8, 9				2, 3, 4, 5, 6, 7, 8, 9, 10	All			2, 3, 4, 5, 6, 7, 8	2, 3, 4, 5, 6, 7, 8, 9, 10			
Comply With and Use Procedures (1)	All	1, 3, 5, 7, 8, 9				All	All			All	All			
Operate Control Boards (2)		1, 3, 5, 7, 8, 9												
Communicate and Interact	All	All				All	All			All	All			
Demonstrate Supervisory Ability (3)	All					All	All			All	All			
Comply With and Use Tech. Specs. (3)	2, 3					2, 4	2, 3			2, 3	2, 4			

Notes:

(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: May 2013		Exam Level: RO/SRO		
Item Description				Initial		
				a	b*	c*
1.	Questions and answers are technically accurate and applicable to the facility.			PF1	CS	TF
2.	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.			PF1	CS	TF
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			PF1	CS	TF
4.	The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).					TF
5.	Question duplication from the license screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> the audit exam was systematically and randomly developed; or <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input checked="" type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)			PF1	CS	TF
6.	Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right.	Bank 16% / 24%	Modified 13% / 4%	New 71% / 72%	PF1	CS TF
7.	Between 50 and 60 percent of the questions on the RO exam are written at the comprehension / analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory 45% / 32%	C/A 55% / 68%		PF1	CS TF
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			PF1	CS	TF
9.	Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.			PF1	CS	TF
10.	Question psychometric quality and format meet the guidelines in ES Appendix B.			PF1	CS	TF
11.	The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.			PF1	CS	TF

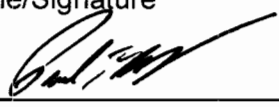
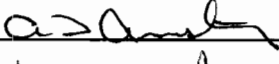
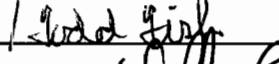
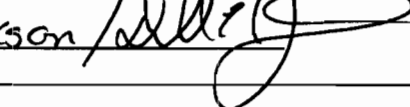
	Printed Name / Signature	Date
a. Author	Paul F. Isham Jr. /	5/6/13
b. Facility Reviewer (*)	Aaron Armstrong /	5/7/13
c. NRC Chief Examiner (#)	Todd FISH /	5/8/13
d. NRC Regional Supervisor	Donald Jackson /	5/9/13

Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations.
Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.

* - Note - Values are percentages vice distribution. 5/9/13

Facility: Nine Mile Point Unit 1 Date of Exam: 5/21/2013 Exam Level: RO ☒ SRO ☒

Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	PFI	CSC	TF
2. Answer key changes and question deletions justified and documented (NONE)	PFI	CSC	NA
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	PFI	CSC	MP / TF
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 (NONE)	PFI	CSC	NA
5. All other failing examinations checked to ensure that grades are justified (NONE)	PFI	CSC	NA
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	CSC	TF

	Printed Name/Signature	Date
a. Grader	Paul F. Isham Jr. / 	5/22/13
b. Facility Reviewer(*)	Aaron Armstrong / 	5/22/13
c. NRC Chief Examiner (*)	Todd Fish / 	5/28/13
d. NRC Supervisor (*)	Donald Jackson / 	6/3/13
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.		