Facility: Turkey Point Date of Examination: Jan 2019

Developed by: Written: Facility ■ NRC ☐ // Operating Facility ■ NRC ☐

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).	
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f).	
-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).	
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3).	
-210	5. Corporate notification letter sent (C.2.e).	
-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).	
-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).	
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d–e).	
-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).	
-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).	
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	
-50	12. Written exam and operating test reviews completed (C.3.f).	
-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.	
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202).	
-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).	
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j–k; C.3.h).	
-7	17. Request facility licensee management feedback on the examination (C.2.l).	
-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).	
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k).	
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i).	

* 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.

ES-201 **Examination Outline Quality Checklist** **Form ES-201-2**

Facility: Turkey Point Unit 3, Unit 4 Date of Examination: 01/07/2019

Item	Task Description	Initials a	Initials b*	Initials c**
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.			
	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.			
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.			
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.			
2. 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.			
	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.			
	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).			
3. 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.			
	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.			
	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.			
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.			
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.			
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.			
	d. Check for duplication and overlap among exam sections and the last two NRC exams.			
	e. Check the entire exam for balance of coverage.			
	f. Assess whether the exam fits the appropriate job level (RO or SRO).			

		Printed Name/Signature	Date
a.	Author	[illegible]	12/12/18
b.	Facility Reviewer (*)	C. TRENT / [illegible]	12/13/18
c.	NRC Chief Examiner (#)	David R. Lanyi / [illegible]	12/18/18
d.	NRC Supervisor	Gerald J. McCoy / [illegible]	1/5/2018

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

MASTER SECURITY AGREEMENT

The Master Security Agreement is used for those personnel having both knowledge of and unrestricted access to Exam Sensitive Material.

1. Pre-Examination (Review TR-AA-220-1002, Attachment 1 for pre-job briefing requirements)

I acknowledge that I have acquired specialized knowledge about the **L-18-1 NRC Exam** scheduled for the date(s) of **01/07/19-01/25/19** as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any persons who have not been authorized by the Exam Project Manager. I understand that I am not to instruct or provide performance feedback to those individuals scheduled to be administered this examination from this date until completion of examination administration. I also understand that I am not to evaluate individuals scheduled to be administered this examination from this date until the date of administration. Acting as a simulator booth operator or communicator is acceptable if I do not select the training content or provide direct or indirect feedback to an examinee. Furthermore, I am aware of the physical security measures and requirements (as documented in procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examination and/or an enforcement action against my facility or me. I will immediately report to the Exam Project Manager any indications or suggestions that examination security may have been compromised.

Furthermore, I agree to **NOT** discuss any aspects associated with the contents of this examination with **ANY** examinee until completion of their examination administration. I further understand that violation of the conditions of this agreement may result in cancellation of the examination and/or enforcement action against the facility licensee or me.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the examination administered during the date(s) of **01/07/19-01/25/19**. From the date that I entered into this security agreement until completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those individuals who were administered this examination.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	VAL MIKLAUSICH	EXAM PROJECT MANAGER		5/15/18		1/24/19	
2.	ENRIQUE SOCIAS	EXAM DEVELOPER		5/15/18		1/24/19	
3.	Tim Hodge	Developer		5/15/18		1/24/19	
4.	JOSEPH McKEE	DEVELOPER		5/15/18		1/24/19	
5.	JOSEPH. G. ARSENAULT	DEVELOPER	ON FILE	5/29/18	ON FILE	1/28/19	
6.	Robert Strusinski	US / SRO		6/13/18		2/11/19	

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
7.	James Salicun	US/SRO		6/13/18		2/11/19	
8.	Chad Hellman	RCO		6/13/18		2/26/19	
9.	Edward G Reim	RCO		6/13/18		2-11-19	
10.	FRANK LEON	SIM. ENGR.		6-14-18		1-29-19	
11.	David Monfries	Sim Maintenance.		6-14-18		1-29-19	
12.	TRAVIS OURET	FLEET OPS TRN MGR		6/21/18	ON FILE	1/29/19	
13.	GEORGE MOYSSIDI	SIMULATOR ENGINEER		7/2/2018		1-25-19	
14.	CHRISTOPHER TRENT	EPOS		7/2/18		2/4/19	
15.	Nancy Jones	US / SRO		8/13/18		2/4/19	
16.	Rolando Iglesias	RCO		8/13/18		2/4/19	
17.	José A Vasquez	CRS/SM		8/13/18		2/4/19	
18.	Jesse Enrique	RCO		8/13/18		2/4/19	
19.	Steven Corrigan	US/SRO		08/13/18		02/04/19	
20.	TOM WENDELN	SIM ENGR		8/14/18		1-29-19	
21.	N. Michalski	RCO		8-20-18		1-29-19	
22.	GLENN W. BURGE	SRO		8/20/18		2/11/19	
23.	Joseph McGuinness	US/SRO		8/20/18		2/11/19	
24.	Karl Frater	RCO		8/27/18		2-18-19	
25.	S. CHOI	RCO		8/27/18		1/25/19	
26.	Nathan Herbig	RCO		8-27-18		2-13-19	

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
27.	A. Chomat	Unit Supervisor / SRO	A. Chomat	8/27/18	A. Chomat	2/18/19	
28.	S. Bloom	Shift Manager / SRO		8/27/18		2/18/19	
29.	B. Nathe	Unit Supervisor / SRO		9-20-18		1-28-19	
30.	A. GACEK	RCO		9/20/18		1/25/19	
31.	Bill Bucha	Sim I&C		9/20/18		1/25/19	
32.	M. Torbert	RCO	M. Torbert	9/25/18	M. Torbert	2/11/19	
33.	C. MACHADO	RCO		9/26/18		1/31/19	
34.	Russell Joplin	Peer ~~Reviewer~~ Reviewer	ON FILE	9/4/18	ON FILE	1/28/19	
35.	Sean Wylie	Peer Reviewer	ON File	9/4/18	ON FILE	1/28/19	
36.	M. COEN	SHIFT MANAGER / SRO		10/9/18		2/25/19	
37.	JUAN Garcia	SRO	Juan C Garcia	10-9-18	Juan C Garcia	3-5-19	
38.	Ryan Fauth	SRO		10/10/18		2/18/19	
39.	Robert W Pell	SRO	R W Pell	10/15/18	R W Pell	2/4/19	
40.	Joel Fobb	RCO		10/16/18		1/28/19	
41.	Todd Lesher	RO		11-26-18		2-4-19	
42.	ED TREMBLAY	SRO/US		11/27/18		1/25/19	
43.	C Doty	SRO		11/28/18		1/28/19	
44.	M. Formoso	SRO / UNIT SUPERVISOR		11/30/18		1/29/19	
45.	KURT KRUGER	INSTRUCTOR		1/7/19		1/24/19	
46.	BRYAN BRICKING	INSTRUCTOR		1-7-19		2-4-19	

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
47.	Jim Russell	Instructor		1/7/19		1/24/19	
48.	Ted Snider	Instructor		1/7/19		1/24/19	
49.	Lenny Kasper	Instructor		1/7/19		1/29/19	
50.	Mike Murphy	Shift Mgr.		1/7/19		1/24/19	
51.	Scott Cossino	Training Sup'V.		1/7/19		1/24/19	
52.	Mark Wilson	Training Sup'V.		1/7/19		1/29/19	
53.	John Patterson	Instructor		1/8/2019		01/29/2019	
54.	ALEJANDRO DOMINGUEZ	INSTRUCTOR		1/28/19		1/27/19	
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MASTER SECURITY AGREEMENT

(Remote Signature Page)

The Master Security Agreement is used for those personnel having both knowledge of and unrestricted access to Exam Sensitive Material.

1. **Pre-Examination (Review TR-AA-220-1002, Attachment 1 for pre-job briefing requirements)**

I acknowledge that I have acquired specialized knowledge about the **L-18-1 NRC Exam** scheduled for the date(s) of **01/07/19-01/25/19** as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any persons who have not been authorized by the Exam Project Manager. I understand that I am not to instruct or provide performance feedback to those individuals scheduled to be administered this examination from this date until completion of examination administration. I also understand that I am not to evaluate individuals scheduled to be administered this examination from this date until the date of administration. Acting as a simulator booth operator or communicator is acceptable if I do not select the training content or provide direct or indirect feedback to an examinee. Furthermore, I am aware of the physical security measures and requirements (as documented in procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examination and/or an enforcement action against my facility or me. I will immediately report to the Exam Project Manager any indications or suggestions that examination security may have been compromised.

Furthermore, I agree to **NOT** discuss any aspects associated with the contents of this examination with **ANY** examinee until completion of their examination administration. I further understand that violation of the conditions of this agreement may result in cancellation of the examination and/or enforcement action against the facility licensee or me.

2. **Post-Examination**

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the examination administered during the date(s) of **01/07/19-01/25/19**. From the date that I entered into this security agreement until completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those individuals who were administered this examination.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	SEAN WYLIE	PSL EXAM AUTHOR		9/4/18		1/28/19	
2.							
3.							
4.							
5.							
6.							

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MASTER SECURITY AGREEMENT

(Remote Signature Page)

The Master Security Agreement is used for those personnel having both knowledge of and unrestricted access to Exam Sensitive Material.

1. **Pre-Examination (Review TR-AA-220-1002, Attachment 1 for pre-job briefing requirements)**

I acknowledge that I have acquired specialized knowledge about the **L-18-1 NRC Exam** scheduled for the date(s) of **01/07/19-01/25/19** as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any persons who have not been authorized by the Exam Project Manager. I understand that I am not to instruct or provide performance feedback to those individuals scheduled to be administered this examination from this date until completion of examination administration. I also understand that I am not to evaluate individuals scheduled to be administered this examination from this date until the date of administration. Acting as a simulator booth operator or communicator is acceptable if I do not select the training content or provide direct or indirect feedback to an examinee. Furthermore, I am aware of the physical security measures and requirements (as documented in procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examination and/or an enforcement action against my facility or me. I will immediately report to the Exam Project Manager any indications or suggestions that examination security may have been compromised.

Furthermore, I agree to **NOT** discuss any aspects associated with the contents of this examination with **ANY** examinee until completion of their examination administration. I further understand that violation of the conditions of this agreement may result in cancellation of the examination and/or enforcement action against the facility licensee or me.

2. **Post-Examination**

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the examination administered during the date(s) of **01/07/19-01/25/19**. From the date that I entered into this security agreement until completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those individuals who were administered this examination.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	JOSEPH G. ARSENAULT	DEVELOPMENT		5/29/18		1/28/19	
2.							
3.							
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5.							
6.							

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The Master Security Agreement is used for those personnel having both knowledge of and unrestricted access to Exam Sensitive Material.

1. **Pre-Examination (Review TR-AA-220-1002, Attachment 1 for pre-job briefing requirements)**

   I acknowledge that I have acquired specialized knowledge about the **L-18-1 NRC Exam** scheduled for the date(s) of **01/07/19-01/25/19** as of the date of my signature. I agree that I will not knowingly divulge any information about this examination to any persons who have not been authorized by the Exam Project Manager. I understand that I am not to instruct or provide performance feedback to those individuals scheduled to be administered this examination from this date until completion of examination administration. I also understand that I am not to evaluate individuals scheduled to be administered this examination from this date until the date of administration. Acting as a simulator booth operator or communicator is acceptable if I do not select the training content or provide direct or indirect feedback to an examinee. Furthermore, I am aware of the physical security measures and requirements (as documented in procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examination and/or an enforcement action against my facility or me. I will immediately report to the Exam Project Manager any indications or suggestions that examination security may have been compromised.

   Furthermore, I agree to **NOT** discuss any aspects associated with the contents of this examination with **ANY** examinee until completion of their examination administration. I further understand that violation of the conditions of this agreement may result in cancellation of the examination and/or enforcement action against the facility licensee or me.

2. **Post-Examination**

   To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the examination administered during the date(s) of **01/07/19-01/25/19**. From the date that I entered into this security agreement until completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those individuals who were administered this examination.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1.	Russell Joplin	Peer Reviewer	RW	9/4/18	RW	1/28/19	
2.							
3.							
4.							
5.							
6.							

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of _____ as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of _____. 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.	Austin Remington	SNPO		1/9/19		2/4/19	
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NOTES:

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
7.	James Jackson	US/SRO	for RO for	6/13/18			
8.	Chad Hellman	RCO	Chad Hellman	6/13/18			
9.	Edward G Reim	RCO	[illegible]	6/13/18			
10.	FRANK LEON	SIM. ENGR.	[illegible]	6-14-18	[illegible]	1-24-19	
11.	David Monfries	Sim Maintenance.	David F. Monfries	6-14-18			
12.	TRAVIS OUDET	FLEET OPS TRN MGR	Travis Oudet	6/21/18	Travis Oudet	1/29/19	
13.	GEORGE MOYSSIDI	SIMULATOR ENGINEER	[illegible]	7/2/2018	George Moyssidi	1-25-19	
14.	Christopher Trent	EPOS	[illegible]	7/2/18			
15.	Nancy Jones	US / SRO	[illegible]	8/13/18			
16.	Rolando Iglesias	RCO	Rolando Iglesias	8/13/18			
17.	José A Vasquez	CRS/SM	[illegible]	8/13/18			
18.	Jesse Enrique	RCO	[illegible]	8/13/18			
19.	Steven Corrigan	US/SRO	[illegible]	08/13/18			
20.	TOM WENDELN	SIM ENGR	[illegible]	8/14/18			
21.	N. Michalski	RCO	[illegible]	8-20-18			
22.	GLENN W. BURGE	SRO	[illegible]	8/20/18			
23.	Joseph McGuinness	US/SRO	[illegible]	8/20/18			
24.	Karl Frater	RCO	[illegible]	8/27/18			
25.	S. CHOI	RCO	[illegible]	8/27/18	[illegible]	1/25/19	
26.	Nathan Herbig	RCO	[illegible]	8-27-18			

ES-301 **Operating Test Quality Checklist** **Form ES-301-3**

Facility: Turkey Point Units 3 & 4 Date of Examination: 01/07/2019 Operating Test Number: 2019-301

1. General Criteria	Initials a	Initials b*	Initials 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).	VM	dt	DL
b. There is no day-to-day repetition between this and other operating tests to be administered during this examination.	VM	dt	DL
c. The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	VM	dt	DL
d. Overlap with the written examination and between different parts of the operating test is within acceptable limits.	VM	dt	DL
e. It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	VM	dt	DL
2. Walkthrough Criteria	--	--	--
a. Each JPM includes the following, as applicable: • 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— – 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	VM	dt	DL
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.	VM	dt	DL
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.	VM	dt	DL

	Printed Name/Signature	Date
a. Author	VM MICHAUSKI	12/12/18
b. Facility Reviewer (*)	C. TRENT	12/17/18
c. NRC Chief Examiner (#)	David R. Lanyi	12/18/18
d. NRC Supervisor	Gerald S. McCoy	1/3/2019

* The facility licensee signature is not applicable for NRC-developed tests.
\# The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.

ES-301 **Simulator Scenario Quality Checklist** **Form ES-301-4**

Facility: Turkey Point Units 3 & 4	Date of Exam: 1/7/2019
Scenario Numbers: N1 / N2 / N4 / N5 / N6	Operating Test No.: 2019-301

QUALITATIVE ATTRIBUTES	Initials a	Initials b*	Initials 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.	Val	ct	DL
2. The scenarios consist mostly of related events.	Val	ct	DL
3. Each event description consists of the following: • the point in the scenario when it is to be initiated • the malfunction(s) or conditions that are entered to initiate the event • the symptoms/cues that will be visible to the crew • the expected operator actions (by shift position) • the event termination point (if applicable)	Val	ct	DL
4. The events are valid with regard to physics and thermodynamics.	Val	ct	DL
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	Val	ct	DL
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.	Val	ct	DL
7. The simulator modeling is not altered.	Val	ct	DL
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.	Val	ct	DL
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.	Val	ct	DL
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	Val	ct	DL
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.)	Val	ct	DL
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).	Val	ct	DL
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.	Val	ct	DL
14. The level of difficulty is appropriate to support licensing decisions for each crew position.	Val	ct	DL

Target Quantitative Attributes per Scenario (See Section D.5.d)	Actual Attributes	--	--	--
1. Malfunctions after EOP entry (1–2)	2 / 2 / 2 / 2 / 2	Val	ct	DL
2. Abnormal events (2–4)	4 / 4 / 4 / 4 / 3	Val	ct	DL
3. Major transients (1–2)	1 / 1 / 1 / 1 / 2	Val	ct	DL
4. EOPs entered/requiring substantive actions (1–2)	2 / 1 / 1 / 1 / 1	Val	ct	DL
5. Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	1 / 1 / 0 / 0 / 2	Val	ct	DL
6. Preidentified critical tasks (≥ 2)	2 / 2 / 2 / 2 / 2	Val	ct	DL

* The facility licensee signature is not applicable for NRC-developed tests.
\# An independent NRC reviewer initials items in column "c"; chief examiner concurrence is required.

ES-301 **Transient and Event Checklist** **Form ES-301-5**

Facility: Turkey Point Units 3 & 4 Date of Exam: 1/7/2019 Operating Test No.: 2019-301

APPLICANT	EVENT TYPE	Scenarios															TOTAL	MINIMUM(*)	
		N1			N2			N4			N5			N6					
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION					
		SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP		R	I
SROI-1	RX	4									2				2		3		1
	NOR	1*															1		1
	I/C	2,3,5									1,3, 4,5				1,4		9		4
	MAJ	6									6				5		3		2
	TS	2,3									2,5						4		2
SROI-2	RX	4									2				2		3		1
	NOR	1*															1		1
	I/C	2,3,5									1,3, 4,5				1,4		9		4
	MAJ	6									6				5		3		2
	TS	2,3									2,5						4		2
SROI-3	RX	4									2				2		3		1
	NOR	1*															1		1
	I/C	2,3,5									1,3, 4,5				1,4		9		4
	MAJ	6									6				5		3		2
	TS	2,3									2,5						4		2
SROI-4	RX					5		1									2		1
	NOR			4													1		1
	I/C			2,5		2,3		2,3, 4,5									8		4
	MAJ			6		6		6									3		2
	TS							2,3									2		2
SROI-5	RX				5			1				2					3		1
	NOR				1*												1		1
	I/C				2,3, 4			2,3, 4,5				1,4					9		4
	MAJ				6			6				6					3		2
	TS				3,5			2,3									4		2

SROI-6	RX				5			1				2					3		1
	NOR				1*												1		1
	I/C				2,3, 4			2,3, 4,5				1,4					9		4
	MAJ				6			6				6					3		2
	TS				3,5			2,3									4		2
SROI-7	RX				5							2					2		1
	NOR									1							1		1
	I/C				1,2, 3,4					3,5		1,4					8		4
	MAJ				6					6		6					3		2
	TS				3,5												2		2
SROI-8	RX								1					2			2		1
	NOR												2				1		1
	I/C								2,4				3,5	1,3, 4			7		4
	MAJ								6				6	5			3		2
	TS													2,4			2		2
SROI-9	RX								1					2			2		1
	NOR												2				1		1
	I/C								2,4				3,5	1,3, 4			7		4
	MAJ								6				6	5			3		2
	TS													2,4			2		2
SROI-10	RX								1					2			2		1
	NOR												2				1		1
	I/C								2,4				3,5	1,3, 4			7		4
	MAJ								6				6	5			3		2
	TS													2,4			2		2

RO-1	RX		4														1	1	
	NOR						5									2	2	1	
	I/C		1,3				1,4									3,4	6	4	
	MAJ		6				6									5	3	2	
RO-2	RX					5											1	1	
	NOR			4						1							2	1	
	I/C			2,5		2,3				3,5							6	4	
	MAJ			6		6				6							3	2	
RO-3	RX		4														1	1	
	NOR						5									2	2	1	
	I/C		1,3				1,4									3,4	6	4	
	MAJ		6				6									5	3	2	
RO-4	RX					5											1	1	
	NOR			4						1							2	1	
	I/C			2,5		2,3				3,5							6	4	
	MAJ			6		6				6							3	2	
RO-5	RX		4														1	1	
	NOR						5									2	2	1	
	I/C		1,3				1,4									3,4	6	4	
	MAJ		6				6									5	3	2	

Instructions:

1. 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.

2. 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.

3. 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.

4. 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: Turkey Point Units 3 & 4 Date of Examination: 1/7/2019 Operating Test No.: 2019-301

Competencies	APPLICANTS														
	SRO-I ☒ RO ☐ BOP ☐					SRO-I ☐ RO ☒ BOP ☐					SRO-I ☐ RO ☐ BOP ☒				
	SCENARIO					SCENARIO					SCENARIO				
	N1	N2	N4	N5	N6	N1	N2	N4	N5	N6	N1	N2	N4	N5	N6
Interpret/Diagnose Events and Conditions	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5
Comply with and Use Procedures (1)	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5
Operate Control Boards (2)	N/A	N/A	N/A	N/A	N/A	1,3 4,6	2,3 5,6	1,2 4,6	1,2 4,6	1,2 4,5	2,4 5,6	1,4 5,6	1,3 5,6	2,3 5,6	2,3 4,5
Communicate and Interact	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5	1-6	1-6	1-6	1-6	1-5
Demonstrate Supervisory Ability (3)	1-6	1-6	1-6	1-6	1-5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Comply with and Use TS (3)	2,3	3,5	2,3	2,5	2,4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

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: **Turkey Point** Date of Exam: 1/2019 Exam Level: RO [redacted] SRO [redacted]

Item Description	Initials a	Initials b	Initials c
1. Clean answer sheets copied before grading	[redacted]	N/A	[redacted]
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)	[redacted]	↓	[redacted]
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	[redacted]	↓	[redacted]
4. Grading for all borderline cases (80% ±2% overall and 70% or 80%, as applicable, ±4% on the SRO-only exam) reviewed in detail	[redacted]	↓	[redacted]
5. All other failing examinations checked to ensure that grades are justified	N/A [redacted]	↓	N/A [redacted]
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	[redacted]	↓	[redacted]

	Printed Name/Signature	Date
a. Grader	David E Dumbacher [redacted]	2-25-19
b. Facility Reviewer(*)	N/A	N/A
c. NRC Chief Examiner (*)	David R. Lanyi [redacted]	2/25/19
d. NRC Supervisor (*)	Gerald J. McCoy [redacted]	3/7/2019

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

OCT 2 2 2018

L-2018-190
10 CFR 2.390

David Lanyi
Chief Examiner, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Initial Operator Licensing Examination - 75 Day Submittal

In accordance with the requirements of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11 Florida Power and Light (FPL) is submitting herein the following initial licensing examination checklists, outlines, scenarios, and JPMs for the Turkey Point Nuclear Plant for the January 2019 Operator Licensing Examination:

ES-201-2 Examination Outline Quality Checklist
ES-201-3 Examination Security Agreement (copy)
ES-301-1 Administrative Topics Outlines (RO) and (SRO-I)
ES-301-2 Control Room/In-Plant Systems Outlines (RO) and (SRO-I)
ES-301-3 Operating Test Quality Checklist
ES-301-4 Simulator Scenario Quality Checklist
ES-301-5 Transient and Event Checklist
ES-301-6 Competencies Checklist
ES-401-4 Record of Rejected K/As
ES-401-5 Written Examination Key with Reference For Each Question (100 Questions)
ES-401-6 Written Examination Quality Checklist
ES-C-1 Job Performance Measure Worksheet (twenty - equivalent facility JPMs forms)
ES-D-1s Scenario Outlines (six)
ES-D-2s Required Operator Actions (six - equivalent facility Simulator Exercise Guides)
ES-201 Attachment 3 Reference Material Guidelines for Initial Licensing Examinations

Pursuant to the provisions of NUREG 1021, Revision 11, the enclosed material shall be withheld from public disclosure until after the examinations are complete.

Should there be any questions, please contact Val Miklausich at (305) 246-6900.

Sincerely,

Robert Coffey
Regional Vice President, Southern Region
Turkey Point Nuclear Plant

Enclosure

cc: Chief, Operations Branch, Division of Reactor Safety, Region II, w/o enclosure
Regional Administrator, Region II, USNRC, w/o enclosure
Document Control Desk, USNRC, Washington, D.C., w/o enclosure
Senior Resident Inspector, USNRC, Turkey Point Nuclear Plant, w/o enclosure

L-2018-190

ENCLOSURE

FPL TURKEY POINT UNITS 3 AND 4

INITIAL OPERATOR LICENSING EXAMINATION

75 DAY SUBMITTAL

L-2019-032
10 CFR 2.390

David Lanyi, Chief Examiner, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
FPL Comments for the Written NRC License Examination, L-18

In accordance with NUREG-1021, Operators Licensing Examination Standards for Power Reactors, Section ES-402, Administering Initial Written Examination, Subsection E.5, Post-Examination Reviews, Florida Power & Light Company (FPL) submits herein for your review and evaluation applicant comments for the site-specific licensed operator written examination, administered at Turkey Point on January 23, 2019.

FPL considered the guidance provided in ES-403 Section D.1, Evaluate Questions and Comments, and found that two questions meet the review criteria for submission to NRC for post examination modification of the answer key. FPL is providing a recommendation for answer key adjustment or question deletion.

In accordance with NUREG-1021, Operators Licensing Examination Standards for Power Reactors, Section ES-501, Initial Post-Examination Activities, Subsection C.1, Facility Licensee Responsibilities, Florida Power & Light Company (FPL) submits herein for your review and evaluation the post examination files for the site-specific licensed operator written examination, administered at Turkey Point on January 23, 2019.

Accordingly, the following attachments are provided herein for your review:

Attachment 1: Written Examination Answer Key
Attachment 2: Post Written Examination Candidate Comments
Attachment 3: Post Written Examination FPL Recommendations
Attachment 4: Each Applicant Original Answer and Examination Cover Sheets.
Attachment 5: Questions Asked By the Applicants and Exam Team Responses.
Attachment 6: Written Examination Seating Chart
Attachment 7: Written Examination Performance Analysis
Attachment 8: Form ES-201-3, Exam Security Agreement (copy)

An electronic version of materials including the Master Written Examination is provided on enclosed DVD. The attachments shall be withheld from public disclosure due to examination sensitive material. Should there be any questions, please contact Val Miklausich at (305) 246-6900.

Sincerely,

for B. Stamp 02/06/19

Brian Stamp
Plant General Manager
Turkey Point Nuclear Plant

Enclosure

cc: Chief, Operations Branch, Division of Reactor Safety, Region II, w/o enclosure
Regional Administrator, Region II, USNRC, w/o enclosure
Document Control Desk, USNRC, Washington, D.C., w/o enclosure
Senior Resident Inspector, USNRC, Turkey Point Nuclear Plant, w/o enclosure

L-2019-032
10 CFR 2.390

David Lanyi, Chief Examiner, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
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Sincerely,

for B. Stamp 02/06/19

Brian Stamp
Plant General Manager
Turkey Point Nuclear Plant

Enclosure

cc: Chief, Operations Branch, Division of Reactor Safety, Region II, w/o enclosure
Regional Administrator, Region II, USNRC, w/o enclosure
Document Control Desk, USNRC, Washington, D.C., w/o enclosure
Senior Resident Inspector, USNRC, Turkey Point Nuclear Plant, w/o enclosure

DEC 1 2 2018

L-2018-233
10 CFR 2.390

FPL

David Lanyi, Chief Examiner, Region II
U. S. Nuclear Regulatory Commission
Marquis One Tower
245 Peachtree Center Ave., NE Suite 1200
Atlanta, GA 30303-1257

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Initial Operator Licensing Examination - Final Submittal

In accordance with the requirements of NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11 Florida Power and Light (FPL) is submitting herein the following initial license examination checklists, outlines, scenarios, and JPMs for the Turkey Point Nuclear Plant for the January 2019 Operator Licensing Examination:

ES-201-2 Examination Outline Quality Checklist
ES-201-3 Examination Security Agreement (copy)
ES-301-1 Administrative Topics Outlines (RO) and (SRO-I)
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ES-301-4 Simulator Scenario Quality Checklist
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ES-301-6 Competencies Checklist
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ES-401-5 Written Examination Key with Reference for Each Question (100 Questions)
ES-401-6 Written Examination Quality Checklist
SRO Master Written Examination with Answer Key
SRO Master Written Exam Reference Package
RO Master Written Examination with Answer Key
RO Master Written Exam Reference Package
ES-C-1 Job Performance Measure Worksheet (twenty - equivalent facility JPMs forms)
ES-D-1s Scenario Outlines (six)
ES-D-2s Required Operator Actions (six - equivalent facility Simulator Exercise Guides)
Pursuant to the provisions of NUREG 1021, Revision 11, the enclosed material shall be withheld from public disclosure until after the examinations are complete.

Should there be any questions, please contact Val Miklausich at (305) 246-6900.

Sincerely,

for B. Stamp 12/12/18

Brian Stamp
Plant General Manager
Turkey Point Nuclear Plant

Enclosure

cc: Chief, Operations Branch, Division of Reactor Safety, Region II, w/o enclosure
Regional Administrator, Region II, USNRC, w/o enclosure
Document Control Desk, USNRC, Washington, D.C., w/o enclosure
Senior Resident Inspector, USNRC, Turkey Point Nuclear Plant, w/o enclosure