

EXAM ASSIGNMENT TICKLER

Chief:	Brian Larson TJ Farina	Facility:	WAT	D	ate of Written Exam:	11/14/2018	
U/I:		Start of Op Test:	11/5/2018		End of Op Test:	11/9/2018	
Written Exam	n Developed By: NRC / F	acility	Operating Tes	st Develo	pped By: NRC / Fac	77	
Due Date	Description		Date Complete		Notes		
3/10/2018	Examination administration date confir	med	2/26/18	(BTL)	For NRC prepared exams, for the facility to submit refe	arrangements made rence materials	
4/9/2018	NRC examiners and facility contact as	signed	2/26/18				
4/9/2018	Facility contact briefed on security and	other requirements	2/26/18				
4/9/2018	Reference material due for NRC prepa	red exams	NIA		ES-201 Att-3		
4/9/2018	Corporate Notification Letter sent		3/29/18		ES-201 Att-4 produced by 0	E	
4/74/7018	NRC developed written examination or contact	utline sent to facility	~3/7/18		ES-401-1/2 and ES-401-3		
	Operating test outline(s) and other che		~6/1/18	1	ES-201-2, 201-3, 301-1, 30	1-2, 301-5, D-1	
	Operating test outline(s) reviewed by N provided to facility licensee	IRC and feedback	9/21/18	TF	ES-201-2 signed by CE & B	С	
8/22/2018	Proposed exams, outlines, supporting reference materials due.	documentation, and	8/27/18	76	Exams prepared by the NRG BC and forwarded for facility		
8/29/2018	Peer review of written exam complete		NA	NA	Document review on ES-40	1-9	
9/16/2018	Written exam and operating test review	vs completed	9/11 9/19	TF	Document review on ES-40	1-9	
10/1/2018	Feedback approved by Branch Chief		9/13 9/20	TF			
	Examination review results discussed licensee	between NRC and facility	9/13 9/21	TF			
10/6/2018	Preliminary license applications & waiv	er/excusal requests due	10/1/18	TE	NRC Forms 398/396		
-1/29/2017	On-site validation & 10% audit of licens	se applications	10/1/18	TF			
10/13/2018	Preliminary license applications and wa	aivers reviewed	10/11/18	76			
10/22/2018	Final license applications & waiver/exc	usal requests due	10/19/18	TF	ES-201-4 prepared by LA		
10/29/2018	Written exams and operating tests app	roved by Branch Chief	10/30/18	TF			
10/29/2018	Request facility licensee management	feedback on the exam	BC	BC			
10/20/2018	Final applications reviewed and audited waiver/excusal letters sent	d; exam approval and	10/30/18	TC	LA produces / BC signs Exam Approval Letter (ES-201 Att-5)		
10/20/2018	Proctoring/written exam administration facility licensee	guidelines reviewed with	10/29/18	TF	(20 20 17111 0)		
	Approved scenarios and JPMs distribu	ted to examiners	10/30/18	14			
11/5/2018	Administer Operating Test		11/5/18	TE			
11/16/2018	Examiner's document op test results or	n ES 303's	11/16/18	TF			
12/4/2018	Post exam comments and graded exar	ns received	11/28/18	TF	ES-403-1 to BC		
12/11/2018	Post exam written comments reviewed NRC grading completed	and incorporated and	11/28/18	TF			
12/11/2018	Post exam operating test comments re updated	viewed and ES-303-1	11/28/18	TE			
12/18/2018 I	Chief examiner review of operating test grading completed	and/or written exam	11/28/18	TF	Signed ES 303's to BC		
12/25/2018	Branch Chief review of exam results co	mpleted	12/4/18	TF			
1/8/2019	Waivers/deferrals reviewed for impact of	on licensing decision	NIA	TF			
1/8/2019	License/Denial letters mailed; Facility n	otified of results	12/4/18	TF			
1/8/2019	RPS/IP number of examinees updated		11/14/18	TF	print Report-21		
1/15/2019	Examination Report Issued		12/14/18	TF	produced by CE		
1/22/2019	SUNSI checklist complete and exam do	ocs to ADAMS	17/4/18	TF	SUNSI checklist to LA		
1/29/2019	Ref Mat'l Returned after Final Resolution	on of Anneals	NIA	46			

10/1/18

Facility:	Water and 3 Date of Examination: 11	5/	201	8							
140-00	Took Description		Initials	3							
Item	Task Description	а	b*	C**							
1.	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	B	u	TF							
W R I	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.	3	m	TF							
Ť	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	1	K	TF							
E N	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	K	m	TE							
2. S	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.										
M U L A	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.										
O R	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).	4	n	TF							
3. W A L K T H	 a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: The outline(s) contains the required number of control room and in-plant tasks distributed among the safety functions as specified on the form. Task repetition from the last two NRC examinations is within the limits specified on the form. No tasks are duplicated from the applicant's audit test(s). The number of new or modified tasks meets or exceeds the minimums specified on the form. The number of alternate-path, low-power, emergency, and radiologically controlled area tasks meets the criteria on the form. 	4	lh	TF							
R O U G H	 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. 	t	a	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.	7	K	JF.							
4.	Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	J	n	7F							
G E	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	4	m	TF							
N E	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.										
R	d. Check for duplication and overlap among exam sections and the last two NRC exams.	K	m	TE							
A L	e. Check the entire exam for balance of coverage.	K	he	TF							
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	F	M	IF							
b. c.	Author Facility Reviewer (*) NRC Chief Examiner (#) NRC Supervisor Printed Name/Signature ON57 Author Printed Name/Signature Author Autho	ر ا	Da 10-22 10125 10125	te 2-18 -18 118							
	oplicable for NRC-prepared examination outlines.										

	Facility: Waterford 3	Date of Exam: 1	0/14/2018		Exam Lev	el: RO	SRC				
		Item Description									
						а	b*	c*#			
1.8	Questions and answers are	Questions and answers are technically accurate and applicable to the facility.									
2.	a. NRC K/As are ref	a. NRC K/As are referenced for all questions.									
	 Facility learning or 	bjectives are referenced as avai	ilable.			1	in	TF			
	c. Correct answer e	c. Correct answer explanation and distractor analysis provided (ES-401, D.2.g)									
3.	SRO questions are appropri	ate in accordance with Section I	0.2.d of ES-4	101		12	h_	TF			
4		The sampling process was random and systematic. (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).									
5.		e licensee screening/audit exam oplies) and appears appropriate		lled as indic	cated						
	The audit exam was systematical in the control of the control o	ematically and randomly develop	oed, or					C			
		leted before the license exam w	as started, o	or			,				
	the examinations were de						M_				
	X the licensee certifies tha	there is no duplication, or				1					
	other (explain).				(
6.	Bank use meets limits (no m	ore than 75% from the bank,	Bank	Modified	New	/	m	TF			
	at least 10% new, and the re actual RO/SRO-only questio	st new or modified); enter the	28/7	1/1	46/17	T T	1				
	actual NO/SNO-only questio	T distribution(s) at right.	2011	1/1	40/17	5	m	(F			
7.	Between 38 and 45 question exam and at least 13 question	s of the questions on the RO	Memor	у	C/A	λ_	m	T			
	SRO-only portion of the exam	•	37		38	9	1				
	comprehension/analysis leve	•	34/9		41/16	1	m	TE			
_	the actual RO/SRO-only que		-:			-					
8.	distractors.	ed do not give away answers or	aid in the ei	imination o	(+ 1	m	TF			
9.		o specific K/A statements in the the tier to which they are assign				7	1/4 -	TE			
10.	Question psychometric quali	ty and format meet the guideline	s in Annend	liv B		7	1	TE			
						15	pe	TE			
11.	The exam contains the requi correct and agrees with the	red number of one-point, multiple value on the cover sheet.	le-choice ite	ms; the tota	al is	3-	m	TF			
	Printed Name/Signature Date										
	•	T. Margary	1/	1	\mathcal{L}			۸			
a.	Author 10-22-18										
b.	Facility Reviewer (*) DAVID CONSTANCE CONSTANCE 10-22-18										
c.	NRC Chief Examiner (#)	Thomas Farin	2 1	Niony	ros da	w_	10/25/1	8			
d.	NRC Regional Supervisor	lineal lender IV	mint	201h			10/24 5	Z			
u.	TAINO Negional Oupervisor	The country from	111/	- leg			101/1	U			
Not	e: * The facility reviewer's i	nitials or signature are not applic	cable for NR	C-develope	ed examinat	ions					
		The lability reviewed a little of signature are not applicable for the developed examinations.									

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Facility:	Waterford 3 Date of Examination: 11/5/2018 Operating Test No.	ımber:	1						
	1. General Criteria		Initial	s					
	1. General Officia	а	b*	c#					
а.	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).								
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.								
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).								
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	3	n	TF					
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	J	m	<u>t</u>					
	2. Walkthrough Criteria								
а.	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 	-5	m	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.	<u></u>	k	TF.					
	3. Simulator Criteria								
The ass	ociated simulator operating tests (scenario sets) have been reviewed in accordance with 6-301-4, and a copy is attached.	4	m	TF					
a. / b. ! c. ! d. !	Printed Name/Signature Author Facility Reviewer (*) NRC Chief Examiner (#) NRC Supervisor Author Au	ă	Da 10 10-2 10 2	1te 22/18 2-18 1/18 19/18					
# The in	icility licensee signature is not applicable for NRC-developed tests.								

Fac	Facility: Waterford 3 Date of Exam: Nov. 5 2018 Scenario Numbers: 1 / 2 / 3 / 4(Space) Operating Test No.: 1								
	QUALITATIVE ATTRIBUTES			Initials					
			а	b*	c#				
1.	The initial conditions are realistic in that some equipment and/or instrumentation but it does not cue the operators into expected events.	may be out of service,	<u>y</u>	m	TE				
2.	The scenarios consist mostly of related events.		5	m	U				
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) 								
4.	The events are valid with regard to physics and thermodynamics.		4	m_	TE				
5.	Sequencing and timing of events is reasonable and allows the examination team evaluation results commensurate with the scenario objectives.	to obtain complete	5-	m	T				
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. 								
7.	7. The simulator modeling is not altered.								
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. 								
9.	Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.								
10.	 All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios). 								
11.	The scenario set provides the opportunity for each applicant to be evaluated in earting factors. (Competency rating factors as described on Forms ES-303-1 and	ach of the applicable d ES-303-3.)	1	M	TF				
12.	Each applicant will be significantly involved in the minimum number of transients on Form ES-301-5 (submit the form with the simulator scenarios).	and events specified	5	m	TE				
13.	Applicants are evaluated on a similar number of preidentified critical tasks across possible.	scenarios, when	5	ne	TE				
14.	The level of difficulty is appropriate to support licensing decisions for each crew	position.	5	m	TC				
	Target Quantitative Attributes per Scenario (See Section D.5.d)	Actual Attributes	_						
1.	Malfunctions after EOP entry (1-2)	1/ 2/ 1/ 2	7	m	TF				
2.	Abnormal events (2–4)	3/ 3/ 3/ 3	1	m	TE				
3.	Major transients (1–2)	1/1/1/1	K-	1c	TE				
4.	EOPs entered/requiring substantive actions (1–2)	1/ 1/ 1/1	4	pe	TE				
5.	Entry into a contingency EOP with substantive actions (≥ 1 per scenario set)	0/ 0/ 1/ 0	5	M	TC				
6.	Preidentified critical tasks (≥ 2)	3/ 2/ 2/ 3	4	M	T				
* TI	* 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.								

Fa	cility: Waterford 3 Date of Exam: 11/14/18 Exam Level:	RO ⊅	SRO	X					
	Item Description Initials								
		а	b	С					
1.	Clean answer sheets copied before grading	K	K	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)	7	NR	NR					
3.	3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)								
4.	4. Grading for all borderline cases (80% ±2% overall and 70% or 80%, as applicable, ±4% on the SRO-only exam) reviewed in detail								
5.	5. All other failing examinations checked to ensure that grades are justified								
6.	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								
	Printed Name/Signature		Date						
a.	Grader Jim Mendozaf Jul. Mo-Ce)	11-26-	18					
b.	Facility Reviewer(*) DAVID CONSTANCE OF	2	11-26-	18					
c.	c. NRC Chief Examiner (*) Thomas Farina 11/28/18								
d.	NRC Supervisor (*) VINUN CALLY VINUS BALLY	12	14/19						
(*)	The facility reviewer's signature is not applicable for examinatio NRC; two independent NRC reviews are required.	ns grad	ed by the	е					

No applicant exam met this criteria.

IP 21 Operator Licensing Exam Schedule

From 01/01/2018 to 09/30/2019

Phase Code: 5 - Operational

Region: 4

			# Car	ndidate	es .				
Exam Week	Site / Docket # / Insp Rpt #	RO	LSRO	SROI	SROU	Туре	Exam Author	Chief Examiner	Examiners Assigned
10/01/2018	Waterford / 05000382 / 2018301 CAC #: 000956	0	0	0	0	FB-OR- ONSITE VALIDATI ON OF INITIAL LICENSE EXAMIN ATION (OV)		Farina, Thomas	Farina, Thomas Hayes, Mahdi Kirkland, John Steely, Christopher
11/05/2018	Waterford / 05000382 / 2018301 CAC #: 000500	3	0	2	5	FB-OR- INITIAL LICENSE EXAM ADMINIS TRATION (EXAD)	NFF	Farina, Thomas	Farina, Thomas Hayes, Mahdi Kirkland, John Steely, Christopher

Sites: WAT

Orgs: R40KB300000, R40MB150000, R40MB300000

Exam Author: ALL

Activity Codes: DOC, EXAD, EXD, EXF, EXOR, EXR, OV, S210

10/29/2018 3:35:48 PM Page 1 of 1

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 November 5, 2018 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 November 5, 2018. 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. Jim Mendoza 2. GLENDM'DOUGHED	Exam Dovelopment less	M. Mo-co-	2-8-18 anost. Lec 11/14/18 2/8/18 5 m Jun 11/18/18
3. JAMES DELCAND 4. SOAN CONNER	SIMULATOR SUPPORT EXAM DEVELOPMENT	Jums du Z	2/21/18 James a) (ans 11/14/18
5. Kick Kick patrick 6. DAVID CONSTANCE	Exam Development FACILITY REVIEWER	Rids hult	4-26-18 - 41-15-15
TKEVIN PILLEY	ofs Reviewer	16 (5)	5-30-18 11-15-19 11-15-19 11-15-19
9. Wayne Peules	OPS Reviewer	War Kenled	7-5-18 Dept Center 11-15-18
11. William M. Crowley 12 Raw Francis	SIMULATOR SUPPORT	Welliam M. Cronder	7-9-18 Willin Million 11-15-18 1127/18 - TJF puemail
13 John W. Hongion 14. Roger D. Jones	Simulator Support	Rose D Hones	10/1/18 199 1 1/14/18
15. JUSTICE ENDING	OPENATOR	75	10-2-18 1-11-No 1 11/2018

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Osigned of via-Telecom

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 1152015 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.

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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 _____! S / 26 I C. 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. STACY A. LECONTE 2. RICK LANDRY 3. Stephen South 4. Mutham Naylor 5. Nicheles P. Bilyen 6. Brad Guidry 7. Ryan Treach 8. Parick Flant 9. MATT HLIKEN 10. PLICHAND MAKHAND 11. CONCE SPENIN 12. KAMEN PETER 13.	OPS REMEMBER OPS REVIEWER OPS REVIEWER OPS REVIEWER OPS REVIEWER OPS REVIEWER OPS REVIEWER OPS TRAINING OPS TRAINING	Steed file The John Day The	10/2/18 840000 10/2/18 10/2/1	11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18 11-18-18
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