

Facility: <u>Vogtle 3&amp;4</u>		Date of Examination: <u>March 2018</u>
Developed by: Written: Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/> // Operating Facility <input checked="" type="checkbox"/> NRC <input type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-240	1. Examination administration date confirmed (C.1.a; C.2.a-b). For NRC-prepared exams, arrangements are made for the facility to submit reference materials (C.1.e; C.3.c; Attachment 3).	<i>OK</i>
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f).	<i>OK</i>
-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).	<i>OK</i>
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3).	<i>OK</i>
-210	5. Corporate notification letter sent (C.2.e).	<i>OK</i>
-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).	<i>OK</i>
-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).	<i>OK</i>
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d-e).	<i>OK</i>
-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).	<i>OK</i>
-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).	<i>OK</i>
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	<i>OK</i>
-50	12. Written exam and operating test reviews completed (C.3.f).	<i>OK</i>
-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.	<i>OK</i>
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202).	<i>OK</i>
-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).	<i>OK</i>
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j-k; C.3.h).	<i>OK</i>
-7	17. Request facility licensee management feedback on the examination (C.2.l).	<i>OK</i>
-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).	<i>OK</i>
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k).	<i>OK</i>
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i).	<i>OK</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.		

Facility: Turkey Point		Date of Examination: January 2019		
Item	Task Description	Initials		
		a	b*	c**
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	DL	N/A	DL
	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.	DL		DL
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	DL		DL
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	DL		DL
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.	N/A - written only		
	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.	DL	DL	DL
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	DL	N/A	DL
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	DL		DL
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	DL		DL
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	DL		DL
	e. Check the entire exam for balance of coverage.	DL		DL
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	DL		DL
a. Author <u>Phillip G. Capen / [Signature]</u> b. Facility Reviewer (*) <u>N/A</u> c. NRC's Chief Examiner (#) <u>David R. Lang / [Signature]</u> d. NRC Supervisor <u>Donald B. McCarty / [Signature]</u>		Date <u>1/31/18</u> <u>N/A</u> <u>1/31/18</u> <u>1/31/18</u>		
* Not applicable for NRC-prepared examination outlines. # The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.				

Facility: Vogtle Unit 3

Date of Examination: March 2018

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

- a. Author  
b. Facility Reviewer (\*)  
c. NRC Chief Examiner (#)  
d. NRC Supervisor

Printed Name/Signature  
 Andrew Nichols / *Andrew Nichols*  
 Chuck Howard / *Chuck Howard*  
 David R. Lany / *David R. Lany*  
 Eugene Crutcher / *Eugene Crutcher*

Date  
 02/13/18  
 02/13/18  
 2/26/18  
 2/28/18

\* Not applicable for NRC-prepared examination outlines.

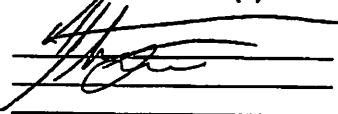
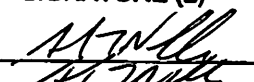
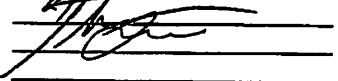
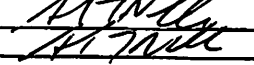
# The independent NRC reviewer initials items in column "c"; the chief examiner's concurrence is required.

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 3/5/18-3/21/18 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 03/05/18 - 03/21/18. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE/RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Matt Schmaier</u>	<u>Exelon O&amp;S Training Mgr</u>		<u>4/13/17</u>		<u>3/22/18</u> *	<u>(1)</u>
2. <u>Tom Morales</u>	<u>Luminant Ops Training Mgr</u>		<u>12/19/17</u>		<u>3/22/18</u>	<u>(1)</u>
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NOTES: (1) signed off per Email communication



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PRINTED NAME	JOB TITLE/RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>HARLEY MORGAN</u>	<u>UEEP 3+4 TRAINING</u>	<u>[Signature]</u>	<u>3/5/18</u>	<u>[Signature]</u>	<u>3/22/18</u>	
2. <u>MIKE MCLEW</u>	<u>OTM</u>	<u>[Signature]</u>	<u>3/6/18</u>	<u>[Signature]</u>	<u>3/22/18</u>	
3. <u>Hannah Myers</u>	<u>communications - photo</u>	<u>[Signature]</u>	<u>3/7/18</u>	<u>[Signature]</u>	<u>3/22/18</u>	
4. <u>David Franklin</u>	<u>UEEP 3+4 TRAINING</u>	<u>[Signature]</u>	<u>3/22/18</u>	<u>[Signature]</u>	<u>3/22/18</u>	<u>A 03/22/18</u>
5. _____	_____	_____	_____	_____	_____	_____
6. _____	_____	_____	_____	_____	_____	_____
7. _____	_____	_____	_____	_____	_____	_____
8. _____	_____	_____	_____	_____	_____	_____
9. _____	_____	_____	_____	_____	_____	_____
10. _____	_____	_____	_____	_____	_____	_____
11. _____	_____	_____	_____	_____	_____	_____
12. _____	_____	_____	_____	_____	_____	_____
13. _____	_____	_____	_____	_____	_____	_____
14. _____	_____	_____	_____	_____	_____	_____
15. _____	_____	_____	_____	_____	_____	_____

NOTES:

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PRINTED NAME	JOB TITLE/RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. CANNON, CHRISTOPHER E	VEGP 3/4 SSS		5 Feb 2018		12 MAR 18	
2. WOODY, Thomas H	VEGP 3/4 ops. Trainer		5 Feb 2018		3/22/18	
3. Thompson, Heather	VEGP 3/4 TRAINING		2/27/18		3-22-18	
4. Wolfgang, Shawn	VEGP 3/4 OPS		3/2/18		3/22/18	
5. NELSON, Saxon	VEGP 3/4 TRAINING		3/2/18		3/22/18	
6. FERGUSON, ROGER	VEGP 3/4 TRAINING		3-2-2018		3-22-18	
7. Hawkins, David	VEGP 3/4 OPSTRNG		3-2-2018		3-22-18	3/22/18
8. Lee, Eric	VEGP 3/4 SSS		3-2-2018		3/21/18	
9. Van Sicken, Holly	VEGP 3/4 SSS		3/2/18		3/22/18	
10. Mercer Jeff	VEGP 3/4 ops Training		3/2/18		3/21/18	
11. Percy B Scott	VEGP 3/4 Ops Training		3/5/18		3/22/18	
12. VERONE J. Zebrowsky	VEGP 3/4 Training head		3/5/18		3/22/18	
13. COLT RUSCHUBER	VEGP 3/4 TRAINING		3/5/18		3/22/18	
14. DAWSON, J. HARRIS	VEGP 3/4 TRAINING		3/5/18		3-22-18	
15. RICHARD DAVESON	VEGP 3/4 TRAINING		3/5/18		3/22/18	

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PRINTED NAME	JOB TITLE/RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>Chuck Howard</u>	<u>Vogtle 3/4 Exam Lead</u>	<u>[Signature]</u>	<u>6/7/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
2. <u>GARY Ohmstedt</u>	<u>Fleet Exam Manager</u>	<u>[Signature]</u>	<u>6/12/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	(2)
3. <u>DEANIS SPIELMAN</u>	<u>VEGP 34 Sim Coordinator</u>	<u>[Signature]</u>	<u>6/14/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
4. <u>Diggs, James</u>	<u>VEGP 34 Exam Team</u>	<u>[Signature]</u>	<u>6/22/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
5. <u>Ben Denlinger</u>	<u>VEGP 34 Exam Team</u>	<u>[Signature]</u>	<u>6/22/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
6. <u>Andy Nichols</u>	<u>VEGP 34 Exam Team</u>	<u>[Signature]</u>	<u>6/22/17</u>	<u>[Signature]</u>	<u>03/22/18</u>	
7. <u>Sahray Gambaro-Perazza</u>	<u>VEGP 34 Simulator Engineer</u>	<u>[Signature]</u>	<u>6/22/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
8. <u>ANWAREL S. FERGUSON</u>	<u>VOGTLE 3/4 Simulator Analyst</u>	<u>[Signature]</u>	<u>6/22/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
9. <u>JP HARTMAN</u>	<u>VEGP 34 OPS SUPPORT MANAGER</u>	<u>[Signature]</u>	<u>7/12/2017</u>	<u>[Signature]</u>	<u>3/22/18</u>	
10. <u>CHRIS PARKER</u>	<u>VEGP 34 SHIFT SUPERVISOR</u>	<u>[Signature]</u>	<u>8/16/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
11. <u>RAY GENTRY</u>	<u>VEGP 34 SHIFT SUPPORT SUPERVISOR</u>	<u>[Signature]</u>	<u>8/16/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	(1)
12. <u>Robert Ricks</u>	<u>VEGP 34 NPO</u>	<u>[Signature]</u>	<u>8/16/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
13. <u>Chris Bravetti</u>	<u>VEGP 34 SHIFT SUP SUPERVISOR</u>	<u>[Signature]</u>	<u>9/5/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
14. <u>MIKE SGANGA</u>	<u>VEGP 34 NPO</u>	<u>[Signature]</u>	<u>9/5/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	
15. <u>JOSH HIRSHORN</u>	<u>VOGTLE 3/4 NPO</u>	<u>[Signature]</u>	<u>9/5/17</u>	<u>[Signature]</u>	<u>3/22/18</u>	

## NOTES:

(1) signed off per Email communication

(2) signed off per Telephone communication


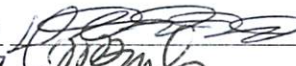
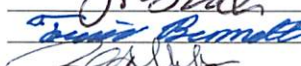
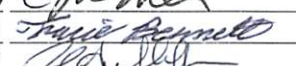
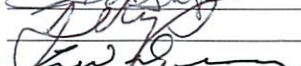
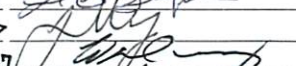


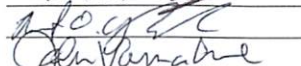
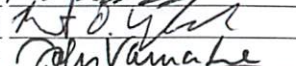
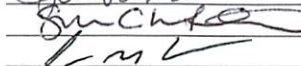
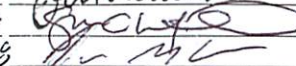
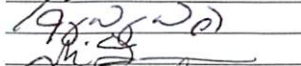
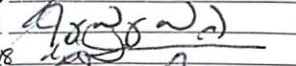
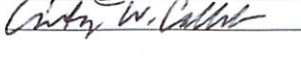





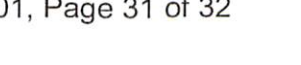





1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the U.S. Nuclear Regulatory Commission (NRC) licensing examinations scheduled for the week(s) of 3/5/18-3/21/18 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 03/05/18 - 03/21/18. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE/RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. <u>DAN RAMIREZ</u>	<u>VEGP 3/4 SSS</u>		<u>9/5/17</u>		<u>3/22/18</u>	
2. <u>James Branch</u>	<u>VEGP 3/4 SSS</u>		<u>9/5/17</u>		<u>3/22/2018</u>	
3. <u>Travis Bennett</u>	<u>VEGP 3/4 SSS/Simulator Eng.</u>		<u>9/27/17</u>		<u>3/22/2018</u>	
4. <u>Jared Shaffer</u>	<u>VEGP 3/4 NPO</u>		<u>10-15-17</u>		<u>3/22/2018</u>	
5. <u>Jason Haynes</u>	<u>VEGP 3/4 SS</u>		<u>10-15-17</u>		<u>9/22/18</u>	
6. <u>Lewis Dunning</u>	<u>VEGP 3/4 SSS</u>		<u>10-15-17</u>		<u>3/22/18</u>	
7. <u>SEAN RICHARDSON</u>	<u>VEGP 3/4 SSS</u>		<u>10/22/17</u>		<u>3/22/18</u>	
8. <u>MATT ELEY</u>	<u>VEGP 3/4 NPO</u>		<u>12/8/17</u>		<u>3/22/18</u>	
9. <u>Robert O. Varnadore</u>	<u>VEGP 3/4 NPO</u>		<u>12/8/17</u>		<u>3/22/18</u>	
10. <u>John Varnadore</u>	<u>VEGP 3/4 SSS</u>		<u>12/8/17</u>		<u>3/22/18</u>	
11. <u>SEAN C. MICHAEL</u>	<u>VEGP 3/4 SSS</u>		<u>1/09/18</u>		<u>3/22/18</u>	
12. <u>James Michael Carter</u>	<u>VEGP 3/4 SS</u>		<u>1/9/2018</u>		<u>3/22/18</u>	
13. <u>JERRY WOOD</u>	<u>VEGP 3/4 NPO</u>		<u>09 JAN 18</u>		<u>22 MAR 18</u>	
14. <u>MICHAEL T. ELMER</u>	<u>VEGP 3/4 SSS</u>		<u>09 JAN 2018</u>		<u>22 MAR 2018</u>	
15. <u>ANTHONY W. COLBERT</u>	<u>VEGP 3/4 OPS TRAINER</u>		<u>05 FEB 2018</u>		<u>3/22/18</u>	

NOTES:

**Nichols, Andrew T.**

---

**From:** Schmader, Matthew E:(GenCo-Nuc) <Matthew.Schmader@exeloncorp.com>  
**Sent:** Thursday, March 22, 2018 8:49 AM  
**To:** Nichols, Andrew T.  
**Subject:** RE: ILT-3 NRC exam security

**Categories:** This email has been sent from an external address. Please use caution when clicking on links or opening attachments.

*I, Matthew Schmader, have read and agree with the bolded statement below. Please sign me off of the security agreement.*

***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 03/05/2018 – 03/21/2018. 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.***

**From:** Nichols, Andrew T. [mailto:ATNICHOL@southernco.com]  
**Sent:** Thursday, March 22, 2018 6:51 AM  
**To:** Schmader, Matthew E:(GenCo-Nuc) <Matthew.Schmader@exeloncorp.com>; tom.morales@luminant.com; robriicks@amazon.com; ricks.-zoo11@gmail.com  
**Subject:** [EXTERNAL] ILT-3 NRC exam security

Gentlemen,

Examination Security has been lifted for the Vogtle 3, ILT-3 NRC exam. The Operating exam was administered beginning the week of 03/05/2018 and the Written Exam was administered on 03/21/2018. If you are unable to sign off of the agreement in person and would like me to sign you off, please reply to this email with your name and a statement similar to the following:

*I, [name], have read and agree with the bolded statement below. Please sign me off of the security agreement.*

***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 03/05/2018 – 03/21/2018. 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.***

I would like extend my gratitude for your input into making this a successful exam.



Respectfully,

**Andy Nichols**



Operations Training Instructor

[atnichol@southernco.com](mailto:atnichol@southernco.com)

Vogtle Units 3&4, Training Center B: 706-848-7867

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**Nichols, Andrew T.**

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**From:** Ricks, Bob <robricks@amazon.com>  
**Sent:** Thursday, March 22, 2018 10:35 AM  
**To:** Nichols, Andrew T.  
**Subject:** RE: ILT-3 NRC exam security

**Categories:** This email has been sent from an external address. Please use caution when clicking on links or opening attachments.

I, Robert E Ricks, have read and agree with the bolded statement below. Please sign me off of the security agreement.

Thank you,

Robert (Bob) Ricks  
42949 Fadeley Ln.  
Sterling, VA 20166  
(402)707-7223

**From:** Nichols, Andrew T. [mailto:ATNICHOL@southernco.com]  
**Sent:** Thursday, March 22, 2018 7:51 AM  
**To:** Schmader, Matthew E:(GenCo-Nuc) (Matthew.Schmader@exeloncorp.com)  
<Matthew.Schmader@exeloncorp.com>; tom.morales@luminant.com; Ricks, Bob <robricks@amazon.com>; ricks.-zoo11@gmail.com  
**Subject:** ILT-3 NRC exam security

Gentlemen,

Examination Security has been lifted for the Vogtle 3, ILT-3 NRC exam. The Operating exam was administered beginning the week of 03/05/2018 and the Written Exam was administered on 03/21/2018. If you are unable to sign off of the agreement in person and would like me to sign you off, please reply to this email with your name and a statement similar to the following:

*I, [name], have read and agree with the bolded statement below. Please sign me off of the security agreement.*

***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 03/05/2018 – 03/21/2018. 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.***

I would like extend my gratitude for your input into making this a successful exam.

Respectfully,

**Andy Nichols**

 Southern Nuclear

Operations Training Instructor

[atnichol@southernco.com](mailto:atnichol@southernco.com)

Vogtle Units 3&4, Training Center B: 706-848-7867

**Nichols, Andrew T.**

---

**From:** Morales, Tom <Tom.Morales@luminant.com>  
**Sent:** Thursday, March 22, 2018 1:08 PM  
**To:** Nichols, Andrew T.  
**Subject:** RE: ILT-3 NRC exam security

**Categories:** This email has been sent from an external address. Please use caution when clicking on links or opening attachments.

*I, Tom Morales, have read and agree with the bolded statement below. Please sign me off of the security agreement.*

***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 03/05/2018 – 03/21/2018. 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.***

**Tom Morales**

Operations Training Manager  
CPNPP Operations Training  
W 254-897-5305  
C 817-487-8953

---

**From:** Nichols, Andrew T. [mailto:ATNICHOL@southernco.com]  
**Sent:** Thursday, March 22, 2018 6:51 AM  
**To:** Schmader, Matthew E:(GenCo-Nuc) (Matthew.Schmader@exeloncorp.com)  
<Matthew.Schmader@exeloncorp.com>; Morales, Tom <Tom.Morales@luminant.com>; robricks@amazon.com; ricks.-zoo11@gmail.com  
**Subject:** ILT-3 NRC exam security

**EXTERNAL EMAIL**

Gentlemen,

Examination Security has been lifted for the Vogtle 3, ILT-3 NRC exam. The Operating exam was administered beginning the week of 03/05/2018 and the Written Exam was administered on 03/21/2018. If you are unable to sign off of the agreement in person and would like me to sign you off, please reply to this email with your name and a statement similar to the following:

*I, [name], have read and agree with the bolded statement below. Please sign me off of the security agreement.*

*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 03/05/2018 – 03/21/2018. 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.*

I would like extend my gratitude for your input into making this a successful exam.

Respectfully,

**Andy Nichols**

 Southern Nuclear

Operations Training Instructor

[atnichol@southernco.com](mailto:atnichol@southernco.com)

Vogtle Units 3&4, Training Center B: 706-848-7867



Facility: <b>Vogtle Unit 3</b>		Date of Examination: <b>March 2018</b>		Operating Test Number:	
1. General Criteria		Initials			
		a	b*	c'	
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	D	A	SL	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	D	A	SL	
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	D	A	SL	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	D	A	SL	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	D	A	SL	
2. Walkthrough Criteria		--	--	--	
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> <li>initial conditions</li> <li>initiating cues</li> <li>references and tools, including associated procedures</li> <li>reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee</li> <li>operationally important specific performance criteria that include— <ul style="list-style-type: none"> <li>detailed expected actions with exact criteria and nomenclature</li> <li>system response and other examiner cues</li> <li>statements describing important observations to be made by the applicant</li> <li>criteria for successful completion of the task</li> <li>identification of critical steps and their associated performance standards</li> <li>restrictions on the sequence of steps, if applicable</li> </ul> </li> </ul>	D	A	SL	
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.	D	A	SL	
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.		D	A	SL	
<div style="display: flex; justify-content: space-between;"> <div> <p>Printed Name/Signature</p> <p>a. Author <i>Benjamin E. Dedinger</i></p> <p>b. Facility Reviewer (*) <i>CHUCK HOWARD</i></p> <p>c. NRC Chief Examiner (#) <i>David R. Longi</i></p> <p>d. NRC Supervisor <i>Eugene Crutcher</i></p> </div> <div> <p>Date</p> <p><i>2/13/2018</i></p> <p><i>2/12/2018</i></p> <p><i>2/26/18</i></p> <p><i>2/28/18</i></p> </div> </div>					
<p>* The facility licensee signature is not applicable for NRC-developed tests.</p> <p># The independent NRC reviewer initials items in column "c"; the chief examiner concurrence is required.</p>					

Facility: Vogtle Unit 3		Date of Exam: March 2018		Scenario Numbers: 4 / 3 / 1 / 5		Operating Test No.:	
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.			D	A	OK		
2. The scenarios consist mostly of related events.			D	A	OK		
3. Each event description consists of the following: <ul style="list-style-type: none"> <li>the point in the scenario when it is to be initiated</li> <li>the malfunction(s) or conditions that are entered to initiate the event</li> <li>the symptoms/cues that will be visible to the crew</li> <li>the expected operator actions (by shift position)</li> <li>the event termination point (if applicable)</li> </ul>			D	A	OK		
4. The events are valid with regard to physics and thermodynamics.			D	A	OK		
5. Sequencing and timing of events is reasonable and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			D	A	OK		
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.			D	A	OK		
7. The simulator modeling is not altered.			D	A	OK		
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.			D	A	OK		
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.			D	A	OK		
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			D	A	OK		
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.)			D	A	OK		
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).			D	A	OK		
13. Applicants are evaluated on a similar number of preidentified critical tasks across scenarios, when possible.			D	A	OK		
14. The level of difficulty is appropriate to support licensing decisions for each crew position.			D	A	OK		
Target Quantitative Attributes per Scenario (See Section D.5.d)		Actual Attributes	-	-	-		
1. Malfunctions after EOP entry (1-2)		6 / 3 / 4 / 2	D	A	OK		
2. Abnormal events (2-4)		3 / 4 / 2 / 3	D	A	OK		
3. Major transients (1-2)		1 / 2 / 1 / 1	D	A	OK		
4. EOPs entered/requiring substantive actions (1-2)		2 / 2 / 2 / 2	D	A	OK		
5. Entry into a contingency EOP with substantive actions ( $\geq 1$ per scenario set)		1 / 1 / 1 / 1	D	A	OK		
6. Preidentified critical tasks ( $\geq 2$ )		2 / 2 / 3 / 3	D	A	OK		
* 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.							

Facility: Vogtle Unit 3		Date of Exam: March 2018		Operating Test No.:													
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 (*)		
		4			3			1			5						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX	3 5						1			1 5			5	1	1	0
	NOR	6			1			1 3			3			5	1	1	1
	I/C	1 2 3 4 8 9 10 11 12 13			2 3 5 6 7 9 10 11			4 5 7 8 9 10			4 5 6 8 9			29	4	4	2
	MAJ	7			7 8			6			7			5	2	2	1
	TS	2 5			4 6			2 4			2 6			8	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		3					1			5			3	1	1	0
	NOR				1			3						2	1	1	1
	I/C		1 10 11 12 13			5 6 7 10		7 10			4 8 9			14	4	4	2
	MAJ		7		7 8			6			7			5	2	2	1
	TS														0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			5									1	2	1	1	0
	NOR			6					1				3	3	1	1	1
	I/C		2 3 4 8 9			2 3 6 9 11			4 5 8 9		5 6		16	4	4	2	
	MAJ		7		7 8			6			7		5	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 (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

Facility: Vogtle Unit 3		Date of Exam: March 2018									Operating Test No.:						
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(*)		
		4			3			1			5						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX	3 5											2	1	1	0	
	NOR	6											1	1	1	1	
	I/C	1 2 3 4 8 9 10 11 12 13					2 3 6 9 11						15	4	4	2	
	MAJ	7					7 8						3	2	2	1	
	TS	2 5											2	0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		3										1	1	1	0	
	NOR				1								1	1	1	1	
	I/C		1 10 11 12 13		2 3 5 6 7 9 10 11								13	4	4	2	
	MAJ		7		7 8								3	2	2	1	
	TS				4 6								2	0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX													1	1	0	
	NOR													1	1	1	
	I/C													4	4	2	
	MAJ													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 (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

I5, I7, I9,  
I11

I6, I8, I10,  
I12

Facility: Vogtle Unit 3			Date of Exam: March 2018			Operating Test No.:												
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(*)		
		4			3			1			5							
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	R		I	U	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX							1						1	1	1	0	
	NOR							1 3						2	1	1	1	
	I/C						2 3 6 9 11	4 5 7 8 9 10						11	4	4	2	
	MAJ						7 8	6						3	2	2	1	
	TS							2 4						2	0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0	
	NOR														1	1	1	
	I/C														4	4	2	
	MAJ														2	2	1	
	TS														0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0	
	NOR														1	1	1	
	I/C														4	4	2	
	MAJ														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 (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

I13, I14



ES-301

## Transient and Event Checklist

Form ES-301-5

Facility: Vogtle Unit 3			Date of Exam: March 2018									Operating Test No.:					
A P P L I C A N T	E V E N T  T Y P E	Scenarios															
		4			3			1			5			T O T A L	M I N I M U M (*)  R I U		
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX	3 5							1					3	1	1	0
	NOR	6							3					2	1	1	1
	I/C	1 2 3 4 8 9 10 11 12 13							7 10					12	4	4	2
	MAJ	7							6					2	2	2	1
	TS	2 5												2	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		3											1	1	1	0
	NOR				1					1				2	1	1	1
	I/C		1 10 11 12 13		2 3 5 6 7 9 10 11					4 5 8 9				17	4	4	2
	MAJ		7		7 8					6				4	2	2	1
	TS				4 6									2	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2

I1, I3

I2, I4

## 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: Vogtle Unit 3		Date of Exam: March 2018		Operating Test No.:													
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(*)		
		4			3			1			5						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P		R	I	U
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX			5										1	1	1	0
	NOR			6		1								2	1	1	1
	I/C			2 3 4 8 9		5 6 7 10								9	4	4	2
	MAJ			7		7 8								3	2	2	1
	TS														0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														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 (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional I/C malfunctions on a one-for-one basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.
- For new reactor facility licensees that use the ATC operator primarily for monitoring plant parameters, the chief examiner may place SRO-I applicants in either the ATC or BOP position to best evaluate the SRO-I in manipulating plant controls.

R1-6

Facility: Vogtle Unit 3		Date of Examination: March 2018					Operating Test No.:								
Competencies	APPLICANTS														
	SRO-I (SRO)					RO (ATC) SRO-I (ATC)					RO (UO) SRO-I (UO)				
	SCENARIO					SCENARIO					SCENARIO				
	4	3	1	5		4	3	1	5		4	3	1	5	
Interpret/Diagnose Events and Conditions	1-13	1-11	1-10	1-9		1, 3, 7, 10-13	1,5-7,8, 10	1, 3, 6, 7, 10	4,5, 7-9		2-9	2, 3, 6-9, 11	1, 4-6, 8, 9	1, 3, 5-7	
Comply with and Use Procedures (1)	1-13	1-11	1-10	1-9		1, 3, 7, 10-13	1,5-7,8, 10	1, 3, 6, 7, 10	4,5, 7-9		2-9	2, 3, 6-9, 11	1, 4-6, 8, 9	1, 3, 5-7	
Operate Control Boards (2)	1-13	1-11	1-10	1-9		1, 3, 7, 10-13	1,5-7,8, 10	1, 3, 6, 7, 10	4,5, 7-9		2-9	2, 3, 6-9, 11	1, 4-6, 8, 9	1, 3, 5-7	
Communicate and Interact	1-13	1-11	1-10	1-9		1, 3, 7, 10-13	1,5-7,8, 10	1, 3, 6, 7, 10	4,5, 7-9		2-9	2, 3, 6-9, 11	1, 4-6, 8, 9	1, 3, 5-7	
Demonstrate Supervisory Ability (3)	1-13	1-11	1-10	1-9		N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	
Comply with and Use TS (3)	2, 5	4, 6	2, 4	2, 6		N/A	N/A	N/A	N/A		N/A	N/A	N/A	N/A	
<b>Notes:</b> (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: Vogtle Unit 3		Date of Examination: March 2018					Operating Test No.:								
Competencies	APPLICANTS														
	SRO-I (SRO)					RO (ATC) SRO-I					RO (UO) SRO-I				
	SCENARIO					SCENARIO					SCENARIO				
	1	3	5	4	2	1	3	5	4	2	1	3	5	4	2
Interpret/Diagnose Events and Conditions	1-10	1-11	1-9	1-13	1-10	1, 3, 6, 7, 10	1,5-7,8, 10	4,5, 7-9	1, 3, 7, 10-13	1, 2, 8, 9	1, 4-6, 8, 9	2, 3, 6-9, 11	1, 3, 5-7	2-9	4, 6-8, 10
Comply with and Use Procedures (1)	1-10	1-11	1-9	1-13	1-10	1, 3, 6, 7, 10	1,5-7,8, 10	4,5, 7-9	1, 3, 7, 10-13	1, 2, 8, 9	1, 4-6, 8, 9	2, 3, 6-9, 11	1, 3, 5-7	2-9	4, 6-8, 10
Operate Control Boards (2)	1-10	1-11	1-9	1-13	1-10	1, 3, 6, 7, 10	1,5-7,8, 10	4,5, 7-9	1, 3, 7, 10-13	1, 2, 8, 9	1, 4-6, 8, 9	2, 3, 6-9, 11	1, 3, 5-7	2-9	4, 6-8, 10
Communicate and Interact	1-10	1-11	1-9	1-13	1-10	1, 3, 6, 7, 10	1,5-7,8, 10	4,5, 7-9	1, 3, 7, 10-13	1, 2, 8, 9	1, 4-6, 8, 9	2, 3, 6-9, 11	1, 3, 5-7	2-9	4, 6-8, 10
Demonstrate Supervisory Ability (3)	1-10	1-11	1-9	1-13	1-10	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, 4	4, 6	2, 6	2, 5	3, 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
<b>Notes:</b> (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: <b>Vogtle 3</b>		Date of Exam: <b>March 2018</b>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	[Signature]	N/A	[Signature]		
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)	[Signature]		[Signature]		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	[Signature]		[Signature]		
4. Grading for all borderline cases (80% $\pm$ 2% overall and 70% or 80%, as applicable, $\pm$ 4% on the SRO-only exam) reviewed in detail	[Signature]		[Signature]		
5. All other failing examinations checked to ensure that grades are justified	[Signature]		[Signature]		
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	[Signature]	↓	[Signature]		

Printed Name/Signature	Date
a. Grader <u>NEWTON LACY / [Signature]</u>	<u>4/4/18</u>
b. Facility Reviewer(*) <u>N/A</u>	
c. NRC Chief Examiner (*) <u>David R. Lanyi / [Signature]</u>	<u>4/4/18</u>
d. NRC Supervisor (*) <u>Eugene Guthrie / [Signature]</u>	<u>5/1/18</u>

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

John G. Austin, III  
Training Director  
Plant Vogtle Units 3&4

Southern Nuclear  
Operating Company, Inc.  
9034 River Road  
Waynesboro, GA 30830

Tel 706.848-6800  
Fax 706-848-7992  
JGAustin@southernco.com



October 10, 2017

ND-17-1722

U.S. Nuclear Regulatory Commission, Region  
245 Peachtree Center Ave., NE, Suite 1200  
Atlanta, Georgia 30303-1257

ATTN: Mr. David Lanyi

VOGTLE ELECTRIC GENERATING PLANT UNITS 3&4  
NRC OPERATING EXAMINATION OUTLINES

Dear Mr. Lanyi,

Attached please find the Vogtle 3 & 4 Operating Examination outline submittal and supporting documentation. The examination is being administered beginning the week of March 05, 2018. This examination package is being submitted in accordance with NUREG-1021, Revision 11. Reference materials have been submitted separately. The examination materials submitted must be withheld from public disclosure until after the examinations are complete.

Specific items provided include:

- ES-201-2 (Examination Outline Quality Checklist)
- ES-201-3 (Examination Security Agreement)
- ES-301-1 (Administrative Topics Outline)
- ES-301-2 (Control Room/In-Plant Systems Outline)
- ES-301-5 (Transient and Event Checklist)
- ES-D-1 (Scenario Outline)
- ES-401N-4 (Record of Rejected K/As)

If you have any questions, please contact Chuck Howard at 706-848-7869.

Sincerely,

A handwritten signature in black ink, appearing to read "CHUCK HOWARD", written over a horizontal line.

Chuck Howard  
Lead Instructor – Regulatory Exam Development  
Vogtle 3&4

John G. Austin, III  
Training Director  
Plant Vogtle Units 3&4

Southern Nuclear Operating Company, Inc.  
9034 River Road  
Waynesboro, GA 30830

Tel 706.848-6800  
JGAustin@southernco.com



December 15, 2017

ND-17-2073

U.S. Nuclear Regulatory Commission, Region II  
Marquis One Tower  
245 Peachtree Center Ave. NE, Suite 1200  
Atlanta, Georgia 30303-1257

ATTN: Mr. David Lanyi

**VOGTLE ELECTRIC GENERATING PLANT UNITS 3&4  
NRC OPERATING AND WRITTEN EXAMINATIONS**

Dear Mr. Lanyi,

Provided by secure transmittal via FTP site please find the Vogtle 3 & 4 Operating and Written Examinations and supporting documentation. The examination is being administered beginning the week of March 05, 2018. This exam package is being submitted in accordance with NUREG-1021 Revision 11. The exam materials contained in this transmittal MUST be withheld from public disclosure until after the examinations are complete.

Specific items provided include:

- ES-201-2 (Examination Outline Quality Checklist)
- ES-201-3 (Examination Security Agreement)
- ES-301-1 (Administrative Topics Outline)
- ES-301-2 (Control Room/In-Plant Systems Outline)
- 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-D-1 (Scenario Outline)
- ES-D-2 (Required Operator Actions)
- ES-401N-6 (Written Exam Quality Checklist)
- ES-401N-4 (Record of Rejected K/As)

If you have any questions, please contact Chuck Howard at 706-848-7869.

Sincerely,

A handwritten signature in black ink, appearing to read "CHUCK HOWARD", with a long horizontal flourish extending to the right.

Chuck Howard  
Lead Instructor – Regulatory Exam Development  
Vogtle 3&4





Joseph B. Klecha  
Vice President, Site Operations  
Plant Vogtle 3&4

Southern Nuclear  
Operating Company, Inc.  
7825 River Road  
Waynesboro GA 30830  
706.848.6888 tel  
jbklecha@southernco.com

March 28, 2018

ND-18-0418

U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Ave., NE, Suite 1200  
Atlanta, Georgia 30303-1257,

ATTN: Mr. David Lanyi

VOGTLE ELECTRIC GENERATING PLANT UNITS 3&4  
POST EXAMINATION PACKAGE

Dear Mr. Lanyi,

Attached please find the Vogtle 3 & 4 RO/SRO Initial License Exam Post Examination material and supporting documentation. The operating test was administered during the weeks of March 05 and March 12, 2018, and the written exam was administered on March 21, 2018. This post-exam package is being submitted in accordance with NUREG-1021, Revision 11, Section ES-501 (Initial Post-Examination Activities). The examination materials must be withheld from public disclosure until after the examinations are complete.

Specific items provided include:

- ES-401N-7 and ES-401N-8 (Site Specific RO/SRO Written Examination Cover Sheets)
- Each applicant's original answer sheet
- One copy of each applicant's original answer sheet
- Master written examination with answer key, annotated with changes made while administering the exam
- Questions asked by the applicant's during the exam, with responses
- Applicant seating chart
- Written examination performance analysis
- ES-201-3 (Examination Security Agreement)
- Facility post examination comments

If you have any questions, please contact Chuck Howard at 706-848-7869.

Sincerely,

A handwritten signature in blue ink, appearing to read "JB Klecha", written over a blue circular stamp.

Joseph B. Klecha  
Vice President, Site Operations

April 10, 2018

ND-18-0503

U.S. Nuclear Regulatory Commission, Region II  
245 Peachtree Center Ave., NE, Suite 1200  
Atlanta, Georgia 30303-1257,

ATTN: Mr. David Lanyi

**VOGTLE ELECTRIC GENERATING PLANT UNITS 3&4**  
**POST EXAMINATION PACKAGE - REDACTED**

Dear Mr. Lanyi,

This letter provides information related to the Vogtle 3 & 4 Initial License Exam (ILT-3) operating test that was administered during the weeks of March 5 and March 12, 2018, and the written exam that was administered on March 21, 2018.

Enclosed is Westinghouse letter SVP\_SV0\_005201, which contains the following:

1. Southern Nuclear Operating Company, Letter for Transmittal to the NRC
2. Application for Withholding Proprietary Information from Public Disclosure, CAW-18-4730, Transmittal of "V34 NRC ILT-3 Admin [Job Performance Measures] JPMs," "V34 NRC ILT-3 In-Plant JPMs," "V34 NRC ILT-3 Scenarios," "V34 NRC ILT-3 Sim JPMs," and "V34 NRC ILT-3 Written"
  - Enclosure 1, AFFIDAVIT
  - Enclosure 2, PROPRIETARY INFORMATION NOTICE and COPYRIGHT NOTICE
3. "V34 NRC ILT-3 Admin JPMs" (Proprietary)
4. "V34 NRC ILT-3 Admin JPMs" (Non-Proprietary)
5. "V34 NRC ILT-3 In-Plant JPMs" (Proprietary)
6. "V34 NRC ILT-3 In-Plant JPMs" (Non-Proprietary)
7. "V34 NRC ILT-3 Scenarios" (Proprietary)
8. "V34 NRC ILT-3 Scenarios" (Non-Proprietary)
9. "V34 NRC ILT-3 Sim JPMs" (Proprietary)
10. "V34 NRC ILT-3 Sim JPMs" (Non-Proprietary)
11. "V34 NRC ILT-3 Written" (Proprietary)
12. "V34 NRC ILT-3 Written" (Non-Proprietary)

Also enclosed is the Westinghouse Application for Withholding Proprietary Information from Public Disclosure CAW-18-4730, accompanying Affidavit, Proprietary Information Notice, and Copyright Notice.

As Items 3, 5, 7, 9, and 11 contain information proprietary to Westinghouse Electric Company LLC ("Westinghouse"), it is supported by an Affidavit signed by Westinghouse, the owner of the

ENCLOSURE 4 to SVP\_SV0\_005201

V34 NRC ILT-3 Admin JPMs  
(Non-Proprietary)

**A.1.a RO Conduct of Operations**

TITLE: Perform an evaluation of the Critical Safety Function Status Tree using 3-EOP-F-0

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOM

PROJECTED TIME: 15 MIN SIMULATOR IC NUMBER: N/A

☐ ALTERNATE PATH ☐ TIME CRITICAL ☐ PRA

**JPM DIRECTIONS:**

1. Initiation of task may be in group setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required references may or may not be included as part of the JPM.

a, c

a, c

## A.1.a RO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

a, c



A.1.a RO

a, c

a, c

A.1.a RO

a, c

a, c

A.1.a RO

a, c

a, c

A.1.a RO

a, c

a, c

A.1.a RO

a, c

a, c

A.1.a RO

a, c

A.1.a RO

a, c

A.1.a RO

a, c



A.1.a RO

a, c

A.1.a RO

a, c

A.1.a RO

a, c

A.1.a RO

a, c

A.1.a RO

a, c

**APPLICANT CUE SHEET****(RETURN TO EXAMINER UPON COMPLETION OF TASK)****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

a, c



a, c



**A.1.a SRO Conduct of Operations**

TITLE: Perform an evaluation of the Critical Safety Function Status Tree using 3-EOP-F-0

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOM

PROJECTED TIME: 15 MIN SIMULATOR IC NUMBER: N/A

☐ ALTERNATE PATH ☐ TIME CRITICAL ☐ PRA

**JPM DIRECTIONS:**

1. Initiation of task may be in group setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required references may or may not be included as part of the JPM.

a, c

a, c

## A.1.a SRO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

a, c

A.1.a SRO

a, c

## Vogtle Unit 3 ADMIN

### A.1.a SRO

a, c



Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

A.1.a SRO

a, c

Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

## Vogtle Unit 3 ADMIN

### A.1.a SRO

a, c

Vogtle Unit 3 ADMIN

A.1.a SRO

a, c



Vogtle Unit 3 ADMIN

A.1.a SRO

a, c

A.1.a SRO

a, c

**APPLICANT CUE SHEET****(RETURN TO EXAMINER UPON COMPLETION OF TASK)****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

a, c





VOGTLE  
Unit 3

SAFETY RELATED

3-VLS-OTS-17-001

**Hydrogen Igniter Surveillance Test**

VERSION A=0.0

**Special Considerations:**

Operational Draft

This document contains Proprietary Information owned by Westinghouse Electric Company LLC and/or its subcontractors and suppliers.

This document is transmitted to you in confidence and trust, and you agree to treat this document in strict accordance with the terms and conditions of the agreement under which it was provided to you.

PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval: \_\_\_\_\_ C.E. Stuhaan  
Approved By

07/13/2015  
Date

Effective Date: 07/13/2015

\_\_\_\_\_  
OPERATIONS  
Responsible Department

Hydrogen Igniter Surveillance Test	3-VLS-OTS-17-001	
	VOGTLE	Version A=0.0
	Unit 3	Page 2 of 21

**VERSION SUMMARY****PVR 0.0  
DESCRIPTION**

New procedure created from original Westinghouse procedure APP-VLS-GJP-801 Rev.0 and original SNC number 3-VLS-OTS-001 version 0.1.  
3-VLS-OTS-17-001 replaces 3-VLS-OTS-001.

Hydrogen Igniter Surveillance Test	3-VLS-OTS-17-001	
	VOGTLE	Version A=0.0
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a, c





































**A.1.b Admin a RO Conduct of Operations**

TITLE: Review a completed surveillance for errors and determine if the acceptance criteria is met

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOM

PROJECTED TIME: 30 MIN SIMULATOR IC NUMBER: N/A

☐ ALTERNATE PATH

☐ TIME CRITICAL

☐ PRA

**JPM DIRECTIONS:**

1. Initiation of task may be in group setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required materials may or may not be included as part of the JPM.

a, c

a, c

## A.1.b RO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**APPLICANT CUE SHEET****(RETURN TO EXAMINER UPON COMPLETION OF TASK)****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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VOGTLE  
Unit 3

SAFETY RELATED

3-VLS-OTS-17-001

**Hydrogen Igniter Surveillance Test**

VERSION A=0.0

**Special Considerations:**

Operational Draft

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

C.E. Stuhaan

Approved By

07/13/2015

Date

Effective Date:

07/13/2015

OPERATIONS

Responsible Department

a,c

Hydrogen Igniter Surveillance Test	3-VLS-OTS-17-001	
	VOGTLE	Version A=0.0
	Unit 3	Page 2 of 21

**VERSION SUMMARY****PVR 0.0  
DESCRIPTION**

New procedure created from original Westinghouse procedure APP-VLS-GJP-801 Rev.0 and original SNC number 3-VLS-OTS-001 version 0.1.  
3-VLS-OTS-17-001 replaces 3-VLS-OTS-001.

Hydrogen Igniter Surveillance Test	3-VLS-OTS-17-001	
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## A.1.b SRO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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A.1.b SRO

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**APPLICANT CUE SHEET****(RETURN TO EXAMINER UPON COMPLETION OF TASK)****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**VOGTLE**  
**Unit 3****3-DAS-OTS-18-001****Rod Drive MG Set Trip Test**

VERSION A=0.0

**Special Considerations:**

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

Tim Neal

08/04/2014

Approved By

Date

Effective Date:

08/04/2014

OPERATIONS

Responsible Department

Rod Drive MG Set Trip Test	3-DAS-OTS-18-001	
	VOGTLE	Version A=0.0
	Unit 3	Page 2 of 12

**VERSION SUMMARY****PVR A=0.0  
DESCRIPTION**

This is a new Operational Readiness Draft procedure issued to support preoperational testing, startup, training, and equipment/system testing prior to normal operations.

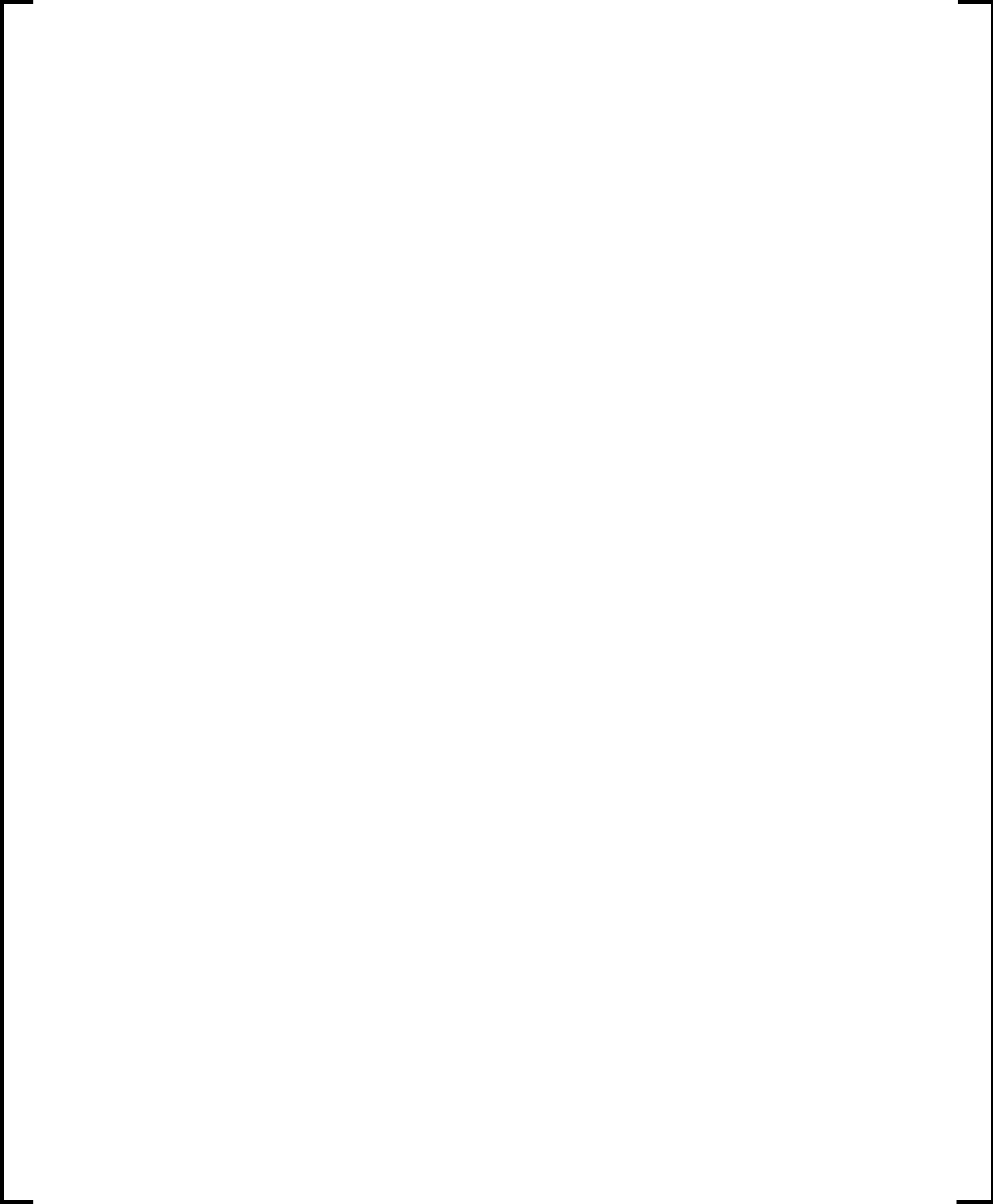
Rod Drive MG Set Trip Test	3-DAS-OTS-18-001	
	VOGTLE	Version A=0.0
	Unit 3	Page 3 of 12

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V34 NRC ILT-3 Admin JPMs (Non-Proprietary)  
Vogtle Unit 3 ADMIN

A.2 RO

Page 108 of 172  
Rev. 2

a, c

## A.2 RO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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Vogtle Unit 3 ADMIN

A.2 RO

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## Vogtle Unit 3 ADMIN

## A.2 RO

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Vogtle Unit 3 ADMIN

A.2 RO

a, c



## Vogtle Unit 3 ADMIN

## A.2 RO

a, c



Vogtle Unit 3 ADMIN

A.2 RO

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## APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

READ TO APPLICANT

DIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

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**VOGTLE**  
**Unit 3****3-PMS-OTS-017-001****POST ACCIDENT MONITORING INSTRUMENTATION  
CHANNEL CHECK**

VERSION A=0.0

**Special Considerations:**

Proprietary – Confidential

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

C Stuhaan

7/8/15

Approved By

Date

Effective Date:

7/13/15

OPERATIONS

Responsible Department

POST ACCIDENT MONITORING INSTRUMENTATION CHANNEL CHECK	3-PMS-OTS-017-001	
	VOGTLE	Version A=0.0
	Unit 3	Page 2 of 18

**VERSION SUMMARY****PVR A=0.0  
DESCRIPTION**

New operational draft procedure. Reference Westinghouse original procedure APP-RCS-GJP-819 Rev.1.

POST ACCIDENT MONITORING INSTRUMENTATION CHANNEL CHECK	3-PMS-OTS-017-001	
	VOGTLE	Version A=0.0
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**A.2 SRO Equipment Control**

TITLE: Perform PAMS surveillance.

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOMPROJECTED TIME: 30 MIN SIMULATOR IC NUMBER: N/A☐ ALTERNATE PATH☐ TIME CRITICAL☐ PRA**JPM DIRECTIONS:**

1. Initiation of task may be in group setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required materials may or may not be included as part of the JPM.

a, c

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## A.2 SRO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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A.2 SRO

a, c



A.2 SRO



A.2 SRO

a, c

A.2 SRO

a, c

**APPLICANT CUE SHEET**

**(RETURN TO EXAMINER UPON COMPLETION OF TASK)**

a, c

**A.3 RO Radiation Control**

TITLE: Determine Best Route to Limit Personnel Exposure and not to Exceed Exposure Limits.

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOM

PROJECTED TIME: 10 MIN SIMULATOR IC NUMBER: N/A

☐ ALTERNATE PATH ☐ TIME CRITICAL ☐ PRA

**JPM DIRECTIONS:**

1. Initiation of task will be in an individual setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required references may or may not be included as part of the JPM.

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## A.3 RO

READ TO APPLICANTDIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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Vogtle Unit 3 ADMIN

A.3 RO

a, c

V34 NRC ILT-3 Admin JPMs (Non-Proprietary)  
Vogtle Unit 3 ADMIN

A.3 RO

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Vogtle Unit 3 ADMIN

A.3 RO

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Vogtle Unit 3 ADMIN

A.3 RO

a, c

Vogtle Unit 3 ADMIN

A.3 RO

a, c

**APPLICANT CUE SHEET**

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

**DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**A.3 SRO Radiation Control**

TITLE: Assess radiological conditions in an emergency and approve emergency exposure limits.

EVALUATION LOCATION: ☐ SIMULATOR ☐ CONTROL ROOM ☒ CLASSROOM

PROJECTED TIME: 15 MIN SIMULATOR IC NUMBER: N/A

☐ ALTERNATE PATH ☐ TIME CRITICAL ☐ PRA

**JPM DIRECTIONS:**

1. Initiation of task may be in group setting, evaluation performed individually upon completion.
2. Requiring the examinee to acquire the required references may or may not be included as part of the JPM.

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Vogtle Unit 3 ADMIN

A.3 SRO

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## Vogtle Unit 3 ADMIN

## A.3 SRO

V34 NRC ILT-3 Admin JPMs (Non-Proprietary)  
Vogtle Unit 3 ADMIN

A.3 SRO

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Vogtle Unit 3 ADMIN

A.3 SRO

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Vogtle Unit 3 ADMIN

A.3 SRO

a, c

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Vogtle Unit 3 ADMIN

A.3 SRO

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A.4 SRO

A.4 SRO

a, c



A.4 SRO

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A.4 SRO





ENCLOSURE 6 to SVP\_SV0\_005201

V34 NRC ILT-3 In-Plant JPMs  
(Non-Proprietary)

**VOGTLE**  
**Unit 3****3-AOP-601****Evacuation of Control Room**

VERSION E=0.4

**Special Considerations:**

Operational Draft

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

J Hartman

7/13/15

Approved By

Date

Effective Date:

7/13/15

OPERATIONS

Responsible Department



VERSION SUMMARY	
PVR A=0.0	DESCRIPTION
	Initial issue.
PVR B=0.1	DESCRIPTION
	Conversion of procedure APP-GW-GJP-306 Rev 2 rewritten by Westinghouse. Added Commitments section.
PVR C=0.2	DESCRIPTION
	Added Operator Aid, Attachment 3, reference TE865737.
PVR D=0.3	DESCRIPTION
	Made editorial changes to match writers guide and latest CPS version.
PVR E=0.4	DESCRIPTION
	Reference TE# 922644. Changed RNO Step 9.a.2 to 'Go To Step 12" Changed RNO Step 10.b to 'Go To Step 12"

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**READ TO APPLICANT****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

a, c

**START TIME:** \_\_\_\_\_

**Evaluator Note(s):**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument. The screenshots that are referenced in the steps below have been added after the last step of the JPM.
- When prompted by the candidate for a peer check, respond “peer check is NOT available”.
- When any report is given or a request is made, “acknowledge the report verbatim.” Provide no other answer as this may unknowingly cue the candidate.

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## APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### DIRECTION TO APPLICANT:

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

### INITIAL CONDITIONS:

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VOGTLE  
Unit 3

SAFETY RELATED

**3-EOP-FR-S.1****Response to Nuclear Power Generation - ATWS**

VERSION A=0.0

**Special Considerations:**

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval: \_\_\_\_\_ Jonathan Hartman \_\_\_\_\_  
Approved By

3/26/15  
Date

Effective Date: 3/26/15

\_\_\_\_\_  
OPERATIONS  
Responsible Department

**VERSION SUMMARY****PVR A=0.0  
DESCRIPTION**

Incorporated changes from Westinghouse procedure APP-GW-GJP-223 revision 4. Converted to new template. This procedure reconciles the WebTop version with the CPS version. Formatting and editorial changes were also made.

## TABLE OF CONTENTS

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**READ TO APPLICANT****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond “peer check is NOT available”.
- When any report is given or a request is made, “acknowledge the report verbatim.” Provide no other answer as this may unknowingly cue the candidate.

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## APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

### **DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**INPLANT SETUP**

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**READ TO APPLICANT****DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond “peer check is NOT available”.
- When any report is given or a request is made, “acknowledge the report verbatim.” Provide no other answer as this may unknowingly cue the candidate.

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## APPLICANT CUE SHEET

(RETURN TO EXAMINER UPON COMPLETION OF TASK)

**DIRECTION TO APPLICANT:**

I will explain the initial conditions and state the task to be performed. All control room steps shall be performed for this JPM, including any required communications. I will provide initiating cues and reports on other actions when directed by you. Ensure you indicate to me when you understand your assigned task. To indicate that you have completed your assigned task, return the cue sheet I provided to you.

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ENCLOSURE 8 to SVP\_SV0\_005201

V34 NRC ILT-3 Scenarios  
(Non-Proprietary)

**VOGTLE**  
**Unit 3****3-GOP-101****Power Operations Above 25% Power**

VERSION I=0.8

**Special Considerations:**

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval: \_\_\_\_\_ Eric Jones  
Approved By

12/16/2015  
Date

Effective Date: 03/03/2016

OPERATIONS  
Responsible Department

a, c

Power Operations Above 25% Power	3-GOP-101	
	VOGTLE	Version I=0.8
	Unit 3	Page 2 of 32

**VERSION SUMMARY****PVR H=0.7****DESCRIPTION**

Corrected Name in approval block on cover sheet.

**PVR I=0.8****DESCRIPTION**

Added COMTA 1028 to Commitments and linked to associated steps.

Incorporated changes for the following TE's: TE 941382, 946428. These were editorial in nature and were corrected by updating links and headings. Rev bars not used on these.





















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# SNC - Vogtle 3&4 ILT-3 Examination Coversheet

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**ILT-3 NRC Scenario 4**

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**ILT-3 NRC Scenario 4**

a, c



























<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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a, c

<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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a, c

<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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a, c

**Appendix D**

**Required Operator Actions**

**Form ES-D-2**

a, c



<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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a, c

<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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**VOGTLE**  
**Unit 3****3-PLS-OTS-17-001****Control Rod Movement Verification**

VERSION B=0.1

**Special Considerations:**

Operational Draft

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval: \_\_\_\_\_ C. Stuhaan  
Approved By

07/14/2015  
Date

Effective Date: 07/20/2015

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OPERATIONS  
Responsible Department

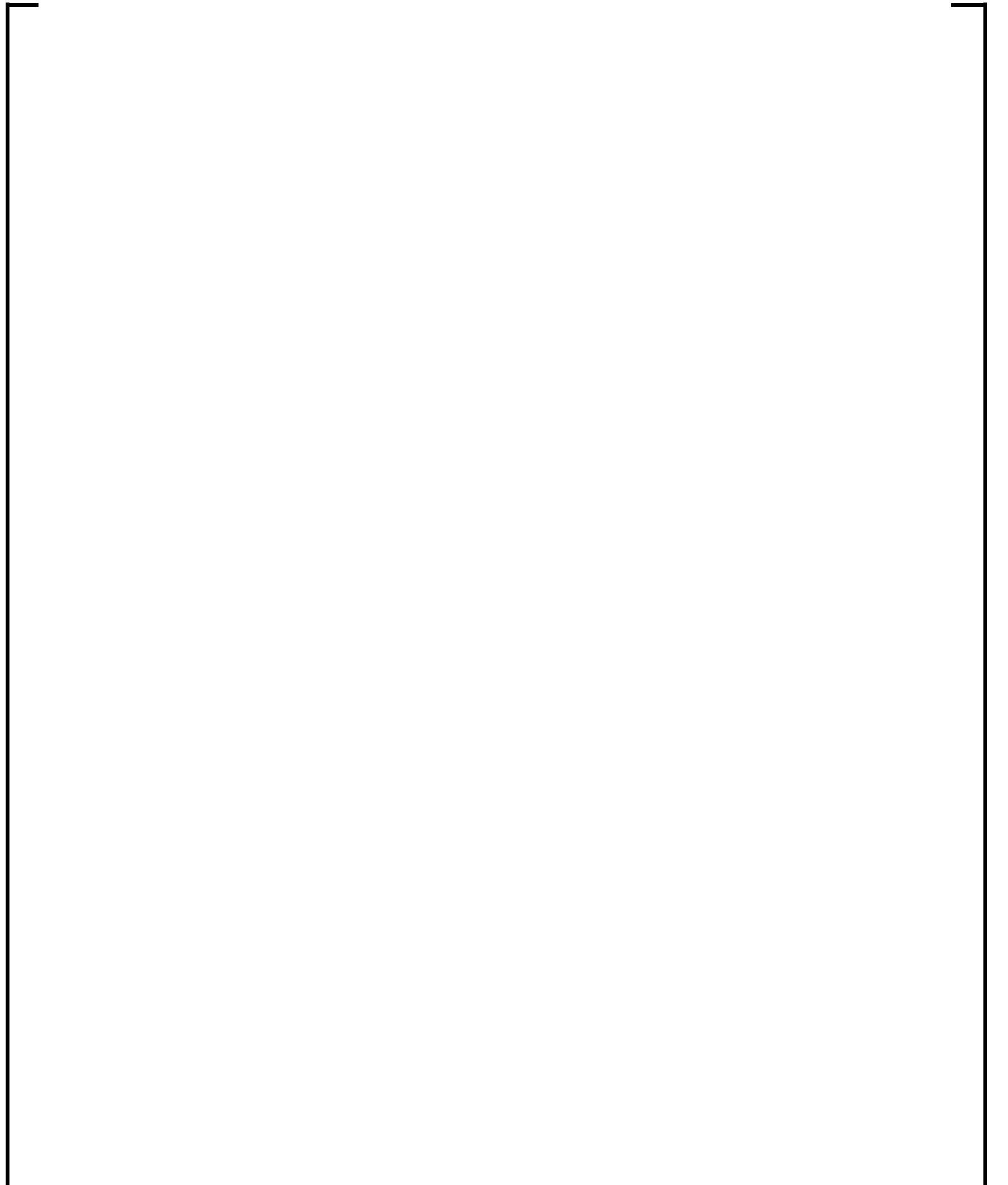
Control Rod Movement Verification	3-PLS-OTS-17-001	
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<b>VERSION SUMMARY</b>
<b>PVR A=0.0</b>
<b>DESCRIPTION</b>
This procedure replaces existing procedure 3-PLS-OTS-001.
<b>PVR B=0.1</b>
<b>DESCRIPTION</b>
This issue of an Operational Readiness Draft procedure supports preoperational testing, startup, training, and equipment/system testing prior to normal operations. This procedure is based on Westinghouse procedure APP-PLS-GJP-802, Rev 0.

Control Rod Movement Verification	3-PLS-OTS-17-001	
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VOGTLE  
Unit 3**3-GOP-101****Power Operations Above 25% Power**

VERSION I=0.8

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

Eric Jones

12/16/2015

Approved By

Date

Effective Date:

03/03/2016

OPERATIONS

Responsible Department

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Power Operations Above 25% Power	3-GOP-101	
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**VERSION SUMMARY****PVR H=0.7****DESCRIPTION**

Corrected Name in approval block on cover sheet.

**PVR I=0.8****DESCRIPTION**

Added COMTA 1028 to Commitments and linked to associated steps.

Incorporated changes for the following TE's: TE 941382, 946428. These were editorial in nature and were corrected by updating links and headings. Rev bars not used on these.

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# SNC - Vogtle 3&4 ILT-3 Examination Coversheet

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**ILT-3 NRC Scenario 3**

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**ILT-3 NRC Scenario 3**

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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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**VOGTLE**  
**Unit 3****3-GOP-306****Plant Startup Mode 2 to 25% Power**

VERSION H=0.7

**Special Considerations:**

Operational Draft

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PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval: \_\_\_\_\_ C.E. Stuhaan  
Approved By

07/14/2015  
Date

Effective Date: 03/03/2016

\_\_\_\_\_  
OPERATIONS  
Responsible Department





Plant Startup Mode 2 to 25% Power	3-GOP-306	
	VOGTLE	Version H=0.7
	Unit 3	Page 3 of 51

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# SNC - Vogtle 3&4 ILT-3 Examination Coversheet

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**ILT-3 NRC Scenario 1**

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**ILT-3 NRC Scenario 1**

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Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

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Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

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Westinghouse Proprietary Class 2  
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Westinghouse Proprietary Class 2  
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Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

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Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

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**Appendix D**

**Scenario Outline**

**[Form ES-D-1](#)**

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<b>Appendix D</b>	<b>Required Operator Actions</b>	<b>Form ES-D-2</b>
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Appendix D

Required Operator Actions

Form ES-D-2

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**Appendix D**

**Required Operator Actions**

**Form ES-D-2**

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**Appendix D**

**Required Operator Actions**

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**Appendix D**

**Required Operator Actions**

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Required Operator Actions

Form ES-D-2

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**Appendix D**

**Required Operator Actions**

**Form ES-D-2**

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ENCLOSURE 10 to SVP\_SV0\_005201

V34 NRC ILT-3 Sim JPMs  
(Non-Proprietary)

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Westinghouse Proprietary Class 2  
**SIMULATOR USE ONLY**

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 3

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond “peer check is NOT available”.
- When any report is given or a request is made, “acknowledge the report verbatim.” Provide no other answer as this may unknowingly cue the candidate.

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**ND-18-0503 Page 1755 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**ND-18-0503 Page 1762 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 3

**START TIME:** \_\_\_\_\_

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 1

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 1

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

STEP/STANDARD	SAT/UNSAT
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STOP TIME: \_\_\_\_\_

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**START TIME:** \_\_\_\_\_

**Evaluator Note:**

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE E**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE E**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE E**  
ILT-3 NRC EXAM

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**ND-18-0503 Page 1856 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE E**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 2

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 2

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

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**ND-18-0503 Page 1896 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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VOGTLE  
Unit 3**3-GOP-205****Plant Cooldown Mode 3 to Mode 5**

VERSION F=0.5

**Special Considerations:**

Operational Draft

This document contains Proprietary Information owned by Westinghouse Electric Company LLC and/or its subcontractors and suppliers.

This document is transmitted to you in confidence and trust, and you agree to treat this document in strict accordance with the terms and conditions of the agreement under which it was provided to you.

PROCEDURE LEVEL OF USE CLASSIFICATION PER NMP-AP-003	
CATEGORY	SECTIONS
Continuous	ALL
Reference	NONE
Information	NONE

Approval:

E. Jones

11/04/2015

Approved By

Date

Effective Date:

04/11/2016

OPERATIONS

Responsible Department

Plant Cooldown Mode 3 to Mode 5	3-GOP-205	
	VOGTLE	Version F=0.5
	Unit 3	Page 2 of 45

**VERSION SUMMARY****PVR A=0.0  
DESCRIPTION**

Initial issue of procedure.

**PVR B=0.1  
DESCRIPTION**

Procedure converted to new format. Incorporated changes from Westinghouse procedure APP-GW-GJP-103, Revision 1.

**PVR C=0.2  
DESCRIPTION**

Added Commitment (COMTA TE 1092) to section 2.2.a and various steps in section 4.0. Added "COMTA" in front of all commitment numbers.

**PVR D=0.3  
DESCRIPTION**

Cross referenced procedures.  
Inserted corrections for the following TE's: 923315, 923318, 924299, 924922, 926725, 929372, 933747, and 934248.

**PVR E=0.4  
DESCRIPTION**

Reference TE# 934248. Swapped step 4.17.g with 4.17.h.

**PVR F=0.5  
DESCRIPTION**

Added the commitment number COMTA962 at the applicable steps throughout the procedure.

Plant Cooldown Mode 3 to Mode 5	3-GOP-205	
	VOGTLE	Version F=0.5
	Unit 3	Page 3 of 45

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1 TASK SHEET .....	45

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VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM Rev. 1

**START TIME:** \_\_\_\_\_

**Evaluator Note:**

- The most likely screen is given for where the operator will perform the task or check the indication. Indications may be available on multiple screens. In those cases, it is acceptable to look at other screens to get the same information from the same instrument.
- When prompted by the candidate for a peer check, respond “peer check is NOT available”.
- When any report is given or a request is made, “acknowledge the report verbatim.” Provide no other answer as this may unknowingly cue the candidate.

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ND-18-0503 Page 1968 of 2226  
VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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ND-18-0503 Page 1974 of 2226  
VOGTLE UNITS 3&4  
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ILT-3 NRC EXAM

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**ND-18-0503 Page 1976 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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ND-18-0503 Page 1977 of 2226  
VOGTLE UNITS 3&4  
JOB PERFORMANCE MEASURE  
ILT-3 NRC EXAM

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**ND-18-0503 Page 1978 of 2226**  
**VOGTLE UNITS 3&4**  
**JOB PERFORMANCE MEASURE**  
ILT-3 NRC EXAM

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ENCLOSURE 12 to SVP\_SV0\_005201

V34 NRC ILT-3 Written  
(Non-Proprietary)



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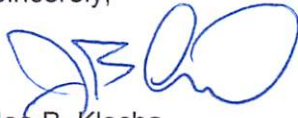
information. The Affidavit sets forth the basis on which the information may be withheld from public disclosure by the Nuclear Regulatory Commission ("Commission") and addresses with specificity the considerations listed in paragraph (b)(4) of Section 2.390 of the Commission's regulations.

Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR Section 2.390 of the Commission's regulations.

Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference CAW-18-4730 and should be addressed to James A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, 1000 Westinghouse Drive, Building 2 Suite 259, Cranberry Township, Pennsylvania 16066.

This letter contains no regulatory commitments. Should you have any questions, please contact John C. Howard at 706-848-7869.

Sincerely,



Joe B. Klecha  
Vice President – Site Operations,  
VEGP 3&4  
JBK/LRG/amw

Enclosure: Westinghouse letter SVP\_SV0\_005201, "CAW-18-4730 (Transmittal of 'V3&4 NRC ILT-3 Admin JPMs,' 'V3&4 ILT-3 In-Plant JPMs,' 'V3&4 NRC ILT-3 Sim JPMs,' 'V3&4 NRC ILT-3 Simulator Scenarios,' and 'V3&4 NRC ILT-3 Written Exam')"

cc:

Southern Nuclear Operating Company

Mr. J. G. Austin (w/o enclosure)

Document Services RTYPE: VND.LI.L00 (w/o enclosure)

File AR.01.02.06 (w/o enclosure)

**Southern Nuclear Operating Company  
Vogtle Electric Generating Plant (VEGP) Units 3 and 4**

**ND-18-0503**

Enclosure

**Westinghouse letter SVP\_SV0\_005201, "CAW-18-4730 (Transmittal of 'V34 NRC ILT-3 Admin JPMs,' 'V34 NRC ILT-3 In-Plant JPMs,' 'V34 NRC ILT-3 Scenarios,' 'V34 NRC ILT-3 Sim JPMs,' and 'V34 NRC ILT-3 Written')"**

**(This Enclosure consists of 2226 pages, including this cover page)**

Westinghouse Proprietary Class 2



Westinghouse Electric Company  
 New Projects Business  
 1000 Westinghouse Drive, Ste. 112  
 Cranberry Township, PA 16066

Brian H. Whitley  
 Regulatory Affairs Director  
 42 Iverness Center Parkway, Bin B237  
 Birmingham, AL 35242

Telephone: (412) 374-5093  
 Email: harperzs@westinghouse.com

Our Reference: SVP\_SV0\_005201

VIA: E-Mail

April 6, 2018

**Subject:** CAW-18-4730 Transmittal of "V34 NRC ILT-3 Admin JPMs," "V34 NRC ILT-3 In-Plant JPMs," "V34 NRC ILT-3 Scenarios," "V34 NRC ILT-3 Sim JPMs," and "V34 NRC ILT-3 Written"

**Reference:** Amended and Restated Services Agreement between Georgia Power Company, for itself and as agent for the Owners and Westinghouse Electric Company LLC and Stone & Webster, Inc., formally known as WECTEC Global Project Services Inc., Dated July 20, 2017 ("Services Agreement")

**Enclosures:**

1. Southern Nuclear Operating Company, Letter for Transmittal to the NRC
2. Application for Withholding Proprietary Information from Public Disclosure, CAW-18-4730, Transmittal of "V34 NRC ILT-3 Admin JPMs," "V34 NRC ILT-3 In-Plant JPMs," "V34 NRC ILT-3 Scenarios," "V34 NRC ILT-3 Sim JPMs," and "V34 NRC ILT-3 Written"
  - Enclosure 1, AFFIDAVIT
  - Enclosure 2, PROPRIETARY INFORMATION NOTICE and COPYRIGHT NOTICE
3. "V34 NRC ILT-3 Admin JPMs" (Proprietary)
4. "V34 NRC ILT-3 Admin JPMs" (Non-Proprietary)
5. "V34 NRC ILT-3 In-Plant JPMs" (Proprietary)
6. "V34 NRC ILT-3 In-Plant JPMs" (Non-Proprietary)
7. "V34 NRC ILT-3 Scenarios" (Proprietary)
8. "V34 NRC ILT-3 Scenarios" (Non-Proprietary)
9. "V34 NRC ILT-3 Sim JPMs" (Proprietary)
10. "V34 NRC ILT-3 Sim JPMs" (Non-Proprietary)
11. "V34 NRC ILT-3 Written" (Proprietary)
12. "V34 NRC ILT-3 Written" (Non-Proprietary)

Dear Mr. Whitley:

In response to Owner request for redaction of examination materials, Westinghouse Electric Company LLC is transmitting to Owner, proprietary and non-proprietary versions of the Southern Nuclear Company Initial License Operating Exam Three materials.

Enclosure 1 contains the Letter for Transmittal to the NRC.

Electronically approved records are authenticated in the Electronic Document Management System. This document is the property of and contains Confidential and Proprietary Information owned by Westinghouse Electric Company LLC and/or its subsidiaries, subcontractors and suppliers. It is transmitted to you in confidence and trust, and you agree to treat this document in strict accordance with the terms and conditions of the agreement under which it was provided to you. Any unauthorized use of this document is prohibited. The AP1000<sup>®</sup> logo is a trademark of Westinghouse Electric Company LLC.

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Enclosure 2 is the Application for Withholding Proprietary Information from Public Disclosure, CAW-18-4730, and accompanying affidavit which sets forth the basis on which the information may be withheld from public disclosure.

Enclosures 3 through 12 contain propriety and non-proprietary versions of the Vogtle 3&4 NRC ILT-3 Admin JPMs, In-Plant JPMs, Scenarios, Simulator JPMs, and Written Exam.

Nothing in this letter modifies or should be construed to modify Service Provider's rights provided by the Services Agreement. Service Provider reserves all of its rights and remedies under the Services Agreement, in law, in equity or otherwise.

Please direct any questions or comments you may have to the undersigned.

Sincerely,



Zachary S. Harper  
Manager, Structural and Mechanical Licensing  
Westinghouse Electric Company

cc: Mark Rauckhorst           SNC  
David McKinney           SNC  
Todd Yelverton           SNC  
Shawn Shaler           SNC  
George Koucheravy       Westinghouse  
Frank Gill               Westinghouse  
Linda Iller               Westinghouse  
Jeff Coward               Westinghouse  
David Hawkins           Westinghouse  
Michael Corletti         Westinghouse  
VogleProject@westinghouse.com  
G2NDRMDC@southernco.com  
vogle\_mail@westinghouse.com

ENCLOSURE 1 to SVP\_SV0\_005201

Southern Nuclear Operating Company, Letter for Transmittal to the NRC

**Southern Nuclear Operating Company**

Letter for Transmittal to the NRC

The following paragraphs should be included in your letter to the NRC Document Control Desk:

Enclosed are:

1. One copy of "V34 NRC ILT-3 Admin JPMs" (Proprietary)
2. One copy of "V34 NRC ILT-3 Admin JPMs" (Non-Proprietary)
3. One copy of "V34 NRC ILT-3 In-Plant JPMs" (Proprietary)
4. One copy of "V34 NRC ILT-3 In-Plant JPMs" (Non-Proprietary)
5. One copy of "V34 NRC ILT-3 Scenarios" (Proprietary)
6. One copy of "V34 NRC ILT-3 Scenarios" (Non-Proprietary)
7. One copy of "V34 NRC ILT-3 Sim JPMs" (Proprietary)
8. One copy of "V34 NRC ILT-3 Sim JPMs" (Non-Proprietary)
9. One copy of "V34 NRC ILT-3 Written" (Proprietary)
10. One copy of "V34 NRC ILT-3 Written" (Non-Proprietary)

Also enclosed are the Westinghouse Application for Withholding Proprietary Information from Public Disclosure CAW-18-4730, accompanying Affidavit, Proprietary Information Notice, and Copyright Notice.

As Item 1, 3, 5, 7, and 9 contain information proprietary to Westinghouse Electric Company LLC ("Westinghouse"), it is supported by an Affidavit signed by Westinghouse, the owner of the information. The Affidavit sets forth the basis on which the information may be withheld from public disclosure by the Nuclear Regulatory Commission ("Commission") and addresses with specificity the considerations listed in paragraph (b)(4) of Section 2.390 of the Commission's regulations.

Accordingly, it is respectfully requested that the information which is proprietary to Westinghouse be withheld from public disclosure in accordance with 10 CFR Section 2.390 of the Commission's regulations.

Correspondence with respect to the copyright or proprietary aspects of the items listed above or the supporting Westinghouse Affidavit should reference CAW-18-4730 and should be addressed to James A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, 1000 Westinghouse Drive, Building 2 Suite 259, Cranberry Township, Pennsylvania 16066.



Westinghouse Non-Proprietary Class 3



Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, Pennsylvania 16066  
USA

ENCLOSURE 2 to SVP\_SV0\_005201

Application for Withholding Proprietary Information from Public Disclosure, CAW-18-4730,  
Transmittal of "V34 NRC ILT-3 Admin JPMs," "V34 NRC ILT-3 In-Plant JPMs," "V34 NRC ILT-3  
Scenarios," "V34 NRC ILT-3 Sim JPMs," and "V34 NRC ILT-3 Written"

Westinghouse Non-Proprietary Class 3



Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, Pennsylvania 16066  
USA

U.S. Nuclear Regulatory Commission  
Document Control Desk  
11555 Rockville Pike  
Rockville, MD 20852

Direct tel: (412) 374-4372  
Direct fax: (724) 940-8505  
e-mail: [monohajs@westinghouse.com](mailto:monohajs@westinghouse.com)

CAW-18-4730

April 5, 2018

APPLICATION FOR WITHHOLDING PROPRIETARY  
INFORMATION FROM PUBLIC DISCLOSURE

Subject: Transmittal of "V34 NRC ILT-3 Admin JPMs," "V34 NRC ILT-3 In-Plant JPMs," "V34 NRC ILT-3 Scenarios," "V34 NRC ILT-3 Sim JPMs," and "V34 NRC ILT-3 Written"

The Application for Withholding Proprietary Information from Public Disclosure is submitted by Westinghouse Electric Company LLC ("Westinghouse"), pursuant to the provisions of paragraph (b)(1) of Section 2.390 of the Nuclear Regulatory Commission's ("Commission's") regulations. It contains commercial strategic information proprietary to Westinghouse and customarily held in confidence.

The proprietary information for which withholding is being requested in the above-referenced response is further identified in Affidavit CAW-18-4730 signed by the owner of the proprietary information, Westinghouse. The Affidavit, which accompanies this letter, sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR Section 2.390 of the Commission's regulations.

Accordingly, this letter authorizes the utilization of the accompanying Affidavit by Southern Nuclear Operating Company.

Correspondence with respect to the proprietary aspects of the Application for Withholding or the Westinghouse Affidavit should reference CAW-18-4730, and should be addressed to James A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, 1000 Westinghouse Drive, Building 2 Suite 259, Cranberry Township, Pennsylvania 16066.

A handwritten signature in cursive script that reads "Jill S. Monahan".

Jill S. Monahan, Manager  
Licensing Inspections and Special Programs

Westinghouse Non-Proprietary Class 3



Westinghouse Electric Company  
1000 Westinghouse Drive  
Cranberry Township, Pennsylvania 16066  
USA

**Enclosures to CAW-18-4730**

1. AFFIDAVIT
2. PROPRIETARY INFORMATION NOTICE and COPYRIGHT NOTICE

ENCLOSURE 1 to CAW-18-4730

AFFIDAVIT

CAW-18-4730

AFFIDAVIT

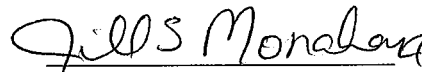
COMMONWEALTH OF PENNSYLVANIA:

SS

COUNTY OF BUTLER:

I, Jill S. Monahan, am authorized to execute this Affidavit on behalf of Westinghouse Electric Company LLC ("Westinghouse") and declare that the averments of fact set forth in this Affidavit are true and correct to the best of my knowledge, information, and belief.

Executed on: 4-5-2018

A handwritten signature in cursive script that reads "Jill S Monahan". The signature is written in dark ink and is positioned above the printed name and title.

Jill S. Monahan, Manager  
Licensing Inspections and Special Programs

- (1) I am Manager, Licensing Inspections and Special Programs, Westinghouse Electric Company LLC (“Westinghouse”), and as such, I have been specifically delegated the function of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear power plant licensing and rule making proceedings, and am authorized to apply for its withholding on behalf of Westinghouse.
- (2) I am making this Affidavit in conformance with the provisions of 10 CFR Section 2.390 of the Nuclear Regulatory Commission’s (“Commission’s”) regulations and in conjunction with the Westinghouse Application for Withholding Proprietary Information from Public Disclosure accompanying this Affidavit.
- (3) I have personal knowledge of the criteria and procedures utilized by Westinghouse in designating information as a trade secret, privileged or as confidential commercial or financial information.
- (4) Pursuant to the provisions of paragraph (b)(4) of Section 2.390 of the Commission’s regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
  - (i) The information sought to be withheld from public disclosure is owned and has been held in confidence by Westinghouse.
  - (ii) The information is of a type customarily held in confidence by Westinghouse and not customarily disclosed to the public. Westinghouse has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitute Westinghouse policy and provide the rational basis required.

Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

- (a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where prevention of its use by any of

Westinghouse's competitors without license from Westinghouse constitutes a competitive economic advantage over other companies.

- (b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage (e.g., by optimization or improved marketability).
  - (c) Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
  - (d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of Westinghouse, its customers or suppliers.
  - (e) It reveals aspects of past, present, or future Westinghouse or customer funded development plans and programs of potential commercial value to Westinghouse.
  - (f) It contains patentable ideas, for which patent protection may be desirable.
- (iii) There are sound policy reasons behind the Westinghouse system which include the following:
- (a) The use of such information by Westinghouse gives Westinghouse a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Westinghouse competitive position.
  - (b) It is information that is marketable in many ways. The extent to which such information is available to competitors diminishes the Westinghouse ability to sell products and services involving the use of the information.
  - (c) Use by our competitor would put Westinghouse at a competitive disadvantage by reducing his expenditure of resources at our expense.

- (d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components of proprietary information, any one component may be the key to the entire puzzle, thereby depriving Westinghouse of a competitive advantage.
  - (e) Unrestricted disclosure would jeopardize the position of prominence of Westinghouse in the world market, and thereby give a market advantage to the competition of those countries.
  - (f) The Westinghouse capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- (iv) The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, is to be received in confidence by the Commission.
- (v) The information sought to be protected is not available in public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.
- (vi) The proprietary information sought to be withheld in this submittal is that which is appropriately marked in “V34 NRC ILT-3 Admin JPMs” (Proprietary), “V34 NRC ILT-3 In-Plant JPMs” (Proprietary), “V34 NRC ILT-3 Scenarios” (Proprietary), “V34 NRC ILT-3 Sim JPMs” (Proprietary), and “V34 NRC ILT-3 Written” (Proprietary), for submittal to the Commission, being transmitted by Southern Nuclear Operating Company letter. The proprietary information as submitted by Westinghouse is that associated with Vogtle operator examinations, and may be used only for that purpose.
- (a) This information is part of that which will enable Westinghouse to:
    - (i) Manufacture and deliver products to utilities based on proprietary designs.



- (b) Further, this information has substantial commercial value as follows:
- (i) Westinghouse plans to sell the use of similar information to its customers for the purpose of licensing of new nuclear power stations.
  - (ii) Westinghouse can sell support and defense of industry guidelines and acceptance criteria for plant-specific applications.
  - (iii) The information requested to be withheld reveals the distinguishing aspects of a methodology which was developed by Westinghouse.

Public disclosure of this proprietary information is likely to cause substantial harm to the competitive position of Westinghouse because it would enhance the ability of competitors to provide similar technical evaluation justifications and licensing defense services for commercial power reactors without commensurate expenses. Also, public disclosure of the information would enable others to use the information to meet NRC requirements for licensing documentation without purchasing the right to use the information.

The development of the technology described in part by the information is the result of applying the results of many years of experience in an intensive Westinghouse effort and the expenditure of a considerable sum of money.

In order for competitors of Westinghouse to duplicate this information, similar technical programs would have to be performed and a significant manpower effort, having the requisite talent and experience, would have to be expended.

Further the deponent sayeth not.

ENCLOSURE 2 to CAW-18-4730

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### **PROPRIETARY INFORMATION NOTICE**

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