

Facility: <u>VOGTLE AP-1000 UNIT 3</u>		Date of Examination: <u>N-1</u>
Developed by: Written: <u>Facility</u> <input checked="" type="checkbox"/> <u>NRC</u> <input checked="" type="checkbox"/> // Operating <u>Facility</u> <input checked="" type="checkbox"/> <u>NRC</u> <input checked="" type="checkbox"/>		
Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b) <u>5-28-15</u>	<u>BN</u>
-150	2. NRC examiners and facility contact assigned (C.1.d; C.2.e) <u>5-28-15</u>	<u>BN</u>
-150	3. Facility contact briefed on security and other requirements (C.2.c) <u>5-28-15</u>	<u>BN</u>
-150	4. Corporate notification letter sent (C.2.d) <u>7-1-16</u>	<u>BN</u>
[-120]	5. Reference material due (C.1.e; C.3.c; Attachment 3) <u>7-15-15</u>	<u>BN</u>
{-90}	6. Integrated examination outline(s) due, including Forms ES-201-2, ES-201-3, ES-301-1, ES-301-2, ES-301-5, ES-D-1, ES-401-1/2, ES-401N-1/2, ES-401-3, ES-401N-3, ES-401-4, and ES-401N-4, as applicable (C.1.e and f; C.3.d) <u>7-5-15</u>	<u>BN</u>
{-85}	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e) <u>7-22-15</u>	<u>BN</u>
{-60}	8. Proposed examinations (including written, walk-through JPMs, and scenarios, as applicable), supporting documentation (including Forms ES-301-3, ES-301-4, ES-301-5, ES-301-6, and ES-401-6, ES-401N-6, and any Form ES-201-2, ES-201-3, ES-301-1, or ES-301-2 updates), and reference materials due (C.1.e, f, g and h; C.3.d) <u>2-24-16</u>	<u>BN</u>
-45	9. Written exam and operating test reviews completed. (C.3.f) <u>2-24-16</u>	<u>BN</u>
-30	10. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202) <u>6-1-16</u>	<u>BN</u>
-21	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	<u>BN</u>
-21	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g) <u>3-18-16</u>	<u>BN</u>
-14	13. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202) <u>7-1-16</u>	<u>BN</u>
-14	14. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h) <u>7-1-16</u>	<u>BN</u>
-7	15. Facility licensee management queried regarding the licensee's views on the examination. (C.2.j)	<u>BN</u>
-7	16. Final applications reviewed; 1 or 2 (if >10) applications audited to confirm qualifications / eligibility; and examination approval and waiver letters sent (C.2.i; Attachment 5; ES-202, C.2.e; ES-204) <u>3-18-16</u>	<u>BN</u>
-7	17. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k) <u>8-2-16</u>	<u>BN</u>
-7	18. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i) <u>6-1-16</u>	<u>BN</u>
<p>* Target dates are generally based on facility-prepared examinations and are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.</p> <p>[Applies only] {Does not apply} to examinations prepared by the NRC.</p>		

N-1: Exam initially scheduled for November 2015, delayed until April 2016, and further delayed until JULY 2016 due to Commission Approved Simulator Safety Evaluation (ML #s 15265A107, 15327A005, 16049A359, and 16083A463).

Facility: AP-1000 Vogtle Units 3 & 4		Date of Examination:		
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.	N-1	N/A	N-1
	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/A	↓
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	↓	N/A	↓
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	N-1	N/A	N-1
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.	D	↓	BN
	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.	D	↓	BN
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	D	↓	BN
3. W A L K T H R O U G H	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	D	↓	BN
	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	D	↓	BN
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	D	↓	BN
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	D	↓	BN
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	D	↓	BN
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	D	↓	BN
	d. Check for duplication and overlap among exam sections.	D	↓	BN
	e. Check the entire exam for balance of coverage.	D	↓	BN
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	D	↓	BN
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Supervisor		Printed Name/Signature Benjamin E. Deplinger Chuck Howard BRUNO CABALLERO / B. Caballero Eugene Gutierrez / E. Gutierrez		Date 4/19/2010 4/19/2010 6-14-16 7/1/16
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines.				

N-1: Written Exam Outline Quality Checklist previously signed on another Form ES-201-2 on 2-6-15.

Facility: <u>AP-1000 Vogtle Units 3 &amp; 4</u>		Date of Examination: <u>7/25/16</u>		
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.		N/A	
	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/A	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.		N/A	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.		N/A	
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.	D	H	N-1
	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.	D	H	N-1
	c. To the extent possible, assess whether the outline(s) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.	D	H	N-1
3. W A L K T H R O U G H	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	D	H	BN
	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	D	H	BN
	c. Determine if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.	D	H	BN
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	D	H	BN
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	D	H	BN
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	D	H	BN
	d. Check for duplication and overlap among exam sections.	D	H	BN
	e. Check the entire exam for balance of coverage.	D	H	BN
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	D	H	BN
a. Author b. Facility Reviewer (*) c. NRC Chief Examiner (#) d. NRC Supervisor		Printed Name/Signature <u>Benjamin E. Dealinger</u> <u>Chuck Howard</u> <u>BRUNO CABALLERO</u> <u>Eugene Gutierrez</u>		Date <u>7/21/2016</u> <u>7/21/2016</u> <u>7/22/16</u> <u>7/22/16</u>
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines.				

N-1: This form only documents changes to two Admin JPMs (Admin A.3 and Admin A.4), which contained errors found prior to administration to applicants during the exam weeks.



**- WRITTEN EXAM SAMPLE PLAN ONLY -**

ES-201

**Examination Outline Quality Checklist**

Form ES-201-2

Facility: <b>AP-1000 (C) Vogtle Units 3 &amp; 4</b>		Date of Examination: <b>Nov. 2015</b>		<b>FBA REC 2-6-15</b>	
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.	M	N/A	RL	
	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.	M	N/A	RL	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	M	N/A	RL	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	M	N/A	RL	
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.				
	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) conform(s) with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D.				
3. W A L K T H R O U G H	a. Verify that the systems walk-through outline meets the criteria specified on Form ES-301-2: (1) the outline(s) contain(s) the required number of control room and in-plant tasks distributed among the safety functions as specified on the form (2) task repetition from the last two NRC examinations is within the limits specified on the form (3) no tasks are duplicated from the applicants' audit test(s) (4) the number of new or modified tasks meets or exceeds the minimums specified on the form (5) the number of alternate path, low-power, emergency, and RCA tasks meet the criteria on the form.	N		A	
	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 if there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.				
4. G E N E R A L	a. Assess whether plant-specific priorities (including PRA and IPE insights) are covered in the appropriate exam sections.	M	N/A	RL	
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	M	N/A	RL	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	M	N/A	RL	
	d. Check for duplication and overlap among exam sections.	N/A	N/A	N/A	
	e. Check the entire exam for balance of coverage.	M	N/A	RL	
	f. Assess whether the exam fits the appropriate job level (RO or SRO)	M	N/A	RL	
a. Author: <u>MICHAEL MEERS</u> b. Facility Reviewer (*): <u>N/A</u> c. NRC Chief Examiner (#): <u>BRUNO CABALLERO</u> d. NRC Supervisor: <u>Eugene Guthrie</u>		Printed Name/Signature: <u>Michael Meers</u> Date: <u>02/04/2015</u> <u>N/A</u> <u>2-6-15</u> <u>2/6/15</u>			
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines.					

**- WRITTEN EXAM SAMPLE PLAN ONLY -**

ES-201

## Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/18/2016. 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>William E. Schreiber</u>	<u>SNC Exam Lead V3/4</u>	<u>[Signature]</u>	<u>01/04/15</u>	<u>[Signature]</u>	<u>08-09-16</u>	
2. <u>Scott S. Jimenez</u>	<u>V.C. Exam Lead</u>	<u>[Signature]</u>	<u>1-12-15</u>	<u>[Signature]</u>	<u>3/2/16</u>	③
3. <u>Barry T. Chavira</u>	<u>Fleet Exam Manager</u>	<u>[Signature]</u>	<u>2-9-15</u>	<u>[Signature]</u>	<u>8-9-16</u>	
4. <u>William E. Denlinger</u>	<u>Exam Writer</u>	<u>[Signature]</u>	<u>2/9/15</u>	<u>[Signature]</u>	<u>8/4/16</u>	
5. <u>Andrew T. Nichols</u>	<u>Exam Writer</u>	<u>[Signature]</u>	<u>02/09/15</u>	<u>[Signature]</u>	<u>8/4/16</u>	
6. <u>Raymond L. Hoffman</u>	<u>Ops Instructor / Simulator</u>	<u>[Signature]</u>	<u>8/13/15</u>	<u>[Signature]</u>	<u>8/4/16</u>	
7. <u>Kerrie L. Hoffman</u>	<u>Simulator Engineer</u>	<u>[Signature]</u>	<u>3-5-15</u>	<u>[Signature]</u>	<u>8/4/16</u>	
8. <u>Andrew Ferguson</u>	<u>Simulator Analyst</u>	<u>[Signature]</u>	<u>3/5/15</u>	<u>[Signature]</u>	<u>8/6/2016</u>	
9. <u>Shirley Gombard-Parker</u>	<u>Simulator Engineer</u>	<u>[Signature]</u>	<u>3/5/15</u>	<u>[Signature]</u>	<u>8/4/16</u>	
10. <u>Dennis Spielman</u>	<u>Simulator Coordinator</u>	<u>[Signature]</u>	<u>3/5/15</u>	<u>[Signature]</u>	<u>8/6/16</u>	
11. <u>Jeffrey Hartman</u>	<u>Ops Facility Rep</u>	<u>[Signature]</u>	<u>3/9/15</u>	<u>[Signature]</u>	<u>4 August 2016</u>	
12. <u>Sanborn Lee</u>	<u>IT</u>	<u>[Signature]</u>	<u>3/18/15</u>	<u>[Signature]</u>	<u>11 Aug 2016</u>	
13. <u>Dez Velinski</u>	<u>Exam Writer</u>	<u>[Signature]</u>	<u>6/8/15</u>	<u>[Signature]</u>	<u>8/2/16</u>	③
14. <u>Bert Kozsar</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>6/15/15</u>	<u>[Signature]</u>	<u>8/11/16</u>	④
15. <u>Darin Samis</u>	<u>Exam Developer</u>	<u>[Signature]</u>	<u>6/15/15</u>	<u>[Signature]</u>	<u>8/12/16</u>	⑤

## NOTES:

③ Signed onto agreement twice. Signed off on Page 5 Line 2.

④ Signed onto agreement twice. Signed off on Page 5 Line 4.

⑤ Signed onto agreement twice. Signed off on Page 5 Line 13.

⑥ Signed onto agreement twice. Signed off on Page 5 Line 5.

ES-201

## Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/13/2016. 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>CANNON, CHRISTOPHER E.</u>	<u>Nuclear Plant Operator</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>8/5/2016</u>
2. <u>RICKS, Robert E</u>	<u>Nuclear Plant Operator</u>	<u>[Signature]</u>	<u>5-13-15</u>	<u>[Signature]</u>	<u>5-13-15</u>	<u>8-4-16</u>
3. <u>ARNETTE, THOMAS H</u>	<u>SHIFT MANAGER</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>8/4/16</u>
4. <u>PARKES, CHRISTOPHER</u>	<u>SHIFT SUPERVISOR</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>[Signature]</u>	<u>5/13/15</u>	<u>8/5/16</u>
5. <u>Stille, Dana L.</u>	<u>Cyber Security Analyst</u>	<u>[Signature]</u>	<u>5/15/15</u>	<u>[Signature]</u>	<u>5/15/15</u>	<u>8/11/16</u>
6. <u>BRANDT, CHRISTOPHER M.</u>	<u>Shift Supervisor</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>8-5-16</u>
7. <u>DUGAS, JAMES R.</u>	<u>NPOIT</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>8/11/16</u>
8. <u>Shaffer, Jared A.</u>	<u>NPOIT</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>8/11/16</u>
9. <u>KRESS, Richard L.</u>	<u>SSS-IT</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>[Signature]</u>	<u>6/16/15</u>	<u>8/10/16</u>
10. <u>HOWARD, John C.</u>	<u>SNC EXAM LEAD V3/4</u>	<u>[Signature]</u>	<u>10/21/15</u>	<u>[Signature]</u>	<u>10/21/15</u>	<u>8/4/2016</u>
11. <u>Penkiss, Ken</u>	<u>SNC Exam Lead 1/2</u>	<u>[Signature]</u>	<u>10/26/15</u>	<u>[Signature]</u>	<u>10/26/15</u>	<u>08/11/16</u>
12. <u>LANE SR. GUY FRANKLIN</u>	<u>NUCLEAR PLANT OPERATOR INTERVIEW</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>8/11/2016</u>
13. <u>Kotson, James L.</u>	<u>SSS-IT</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>8/11/16</u>
14. <u>Hayes, Jason</u>	<u>SS</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>8/11/16</u>
15. <u>Hirshorn, Joshua</u>	<u>NPOIT</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>[Signature]</u>	<u>12/21/15</u>	<u>8-4-2016</u>

NOTES:

① See attached email.

ES-201

## Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/15/16. 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>Charles Jortay</u>	<u>OPS Instructor</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
2. <u>Heather Thompson</u>	<u>Admin Asst 1</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
3. <u>Sharon Zipperer</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>7-15-16</u>	<u>[Signature]</u>	<u>8/4/16</u>
4. <u>Jaxon Mason</u>	<u>OPS Shift Supervisor</u>	<u>[Signature]</u>	<u>7-15-16</u>	<u>[Signature]</u>	<u>8/4/16</u>
5. <u>James Franklin</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
6. <u>Scott Brady</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
7. <u>Vincent Martin</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
8. <u>Scott Pearey</u>	<u>OPS INSTRUCTOR</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
9. <u>W. Barry Evans</u>	<u>OPS Booth Instructor</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/9/16</u>
10. <u>Randy Baker</u>	<u>OPS Booth Operator</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/9/16</u>
11. <u>Robert K. Bragg</u>	<u>OPS training manager</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
12. <u>Mike McQuis</u>	<u>Senior Secretary</u>	<u>[Signature]</u>	<u>7-15-16</u>	<u>[Signature]</u>	<u>8-4-16</u>
13. <u>Veduria V. Cheeley</u>	<u>Admin.</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
14. <u>Liz Walker</u>	<u>ILT simulator lead instructor</u>	<u>[Signature]</u>	<u>7/15/16</u>	<u>[Signature]</u>	<u>8/4/16</u>
15. <u>John Humphreys</u>		<u>[Signature]</u>			

NOTES:











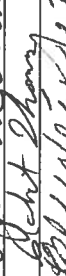

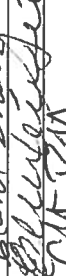







① See attached email.

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/18/2016. 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. KASPER, GREGORY K.	SSS-IT		12/21/15		8/9/16	
2. SGANGA, MICHAEL	NPO		12/21/15		8/14/16	
3. JONES, Enec	SS		2/1/16		8/14/16	
4. Wolfgang, Shawn	SSS		2/1/16		8/14/16	
5. Werneke, Cynthia	SSSIT		2/1/16		8/15/16	①
6. Thomas, Robert	SSSIT		2/18/16		8/14/16	
7. Eking Gomez	Vogtle 344 Simulator		6/28/16		8/10/16	
8. COLE, RAUSCHER, Z	OPS INSTRUCTOR		7/18/16		8/11/16	
9. Chance, Lisa	communications		7/20/16		8/8/16	
10. JACKSON, JAMES A.	SSS		7/21/16		8-4-16	
11.						
12.						
13.						
14.						
15.						

NOTES:

① See attached email.



# Security For Vogtle Nov 15 Exam

Page 5 of 7

Form ES-201-3

## Examination Security Agreement

ES-201

### 1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

### 2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/18-8/3/16. 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. Matthew E. Summer	SNC Exam Lead, V3/4	<i>Matthew E. Summer</i>	01/04/15	<i>Matthew E. Summer</i>	8/12/16	8-8-16
2. Scott C. Dimele	VCS Exam Lead	<i>Scott C. Dimele</i>	1-12-15	<i>Scott C. Dimele</i>	8-8-16	8-8-16
3. Richard W. Decker	DEVELOP CONTRACTOR	<i>Richard W. Decker</i>	1/22/15	<i>Richard W. Decker</i>	8/11/16	8-8-16
4. BEAT KOSAR	VCS EXAM TEAM	<i>BEAT KOSAR</i>	5/19/15	<i>BEAT KOSAR</i>	8/11/16	8-8-16
5. DARIN SAMS	VCS EXAM TEAM	<i>Darin Sams</i>	5/19/15	<i>Darin Sams</i>	8/11/16	8-8-16
6. ALICE CLONIE	VCS EXAM TEAM	<i>Alice Clonie</i>	5/19/15	<i>Alice Clonie</i>	8/11/16	8-8-16
7. Mike Savers	VCS - SO3	<i>Mike Savers</i>	5/19/15	<i>Mike Savers</i>	8/11/16	8-8-16
8. Linda Stewart	SIM - Engineer	<i>Linda Stewart</i>	5/19/15	<i>Linda Stewart</i>	8/11/16	8-8-16
9. Paul Papadon	SIM - EHL	<i>Paul Papadon</i>	5/19/15	<i>Paul Papadon</i>	8/11/16	8-8-16
10. Kevin Balch	SIM - Engineer	<i>Kevin Balch</i>	5/19/15	<i>Kevin Balch</i>	8/11/16	8-8-16
11. Patrick Ford	SIM - Inform	<i>Patrick Ford</i>	5/19/15	<i>Patrick Ford</i>	8/11/16	8-8-16
12. John Lander	SIM SO3	<i>John Lander</i>	5/19/15	<i>John Lander</i>	8/11/16	8-8-16
13. DK2 (EL-251)	VCS EXAM TEAM	<i>DK2 (EL-251)</i>	5/19/15	<i>DK2 (EL-251)</i>	8/11/16	8-8-16
14. CHRIS B. HARRISON	VCS EXAM TEAM	<i>CHRIS B. HARRISON</i>	5/19/15	<i>CHRIS B. HARRISON</i>	8/11/16	8-8-16
15. Robert L. Meyers	VCS EXAM TEAM	<i>Robert L. Meyers</i>	6/28/2016	<i>Robert L. Meyers</i>	8/17/16	8-12-16

NOTES:

② signed onto agreement twice. Signed off on Page 1 Line 1.

③ signed onto agreement twice. Signed off on Page 7 Line 3.

## Examination Security Agreement




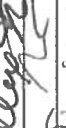










ES-201

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 02 November 2015 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/18-8/13/16. 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. STEPHEN THOMAS	SRO		1/20/16		8/19/16
2. Alex Schwartz	SRO		1/20/16		8/19/16
3. Ryan Martel	SRO		1/20/16		8/19/16
4. Holly Van Dicken	SRO		1/20/16		8/19/16
5. Jeremy M. Carter	SRO		1/20/16		8/19/16
6. Scott Mear	Initial Training Supervisor		1/20/16		8-10-16
7. Chad Hill	Exam team Assistant		3/23/16		8-10-16
8. Holly Mear					
9.					
10.					
11.					
12.					
13.					
14.					
15.					

NOTES:

Examination Security Agreement

ES-201

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations for Vogtle Units 3 & 4 and V. C. Summer Units 2 & 3, scheduled for the week(s) of 7/18-8/3/15 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/18-8/3/15. 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. Matthew E. Schwartz	SNC Exam Lead V3/4	<i>[Signature]</i>	01/04/15		(3)
2. Scott C. Dinkler	VCS Exam Lead	<i>[Signature]</i>	1-12-15		(3)
3. Richard W. Peterson	Exam Administrator	<i>[Signature]</i>	12/21/15	<i>[Signature]</i>	8/11/15
4. Robert Lee	VCS Exam Team	<i>[Signature]</i>	5/14/15		(3)
5. Darin Sams	VCS Exam Team	<i>[Signature]</i>	5/14/15		(3)
6. Mike Savers	VCS - SCS	<i>[Signature]</i>	5/20/15		(3)
7. Linda Stewart	SIM - Engineer	<i>[Signature]</i>	5/20/15		(3)
8. Kevin Balch	SIM - Engineer	<i>[Signature]</i>	5/20/15		(3)
9. Patrick Ford	SIM - Intern	<i>[Signature]</i>	5/20/15		(3)
10. Jeff Leuter	SIM Supt	<i>[Signature]</i>	5/20/15		(3)
11. [Name]	VCS Exam Team	<i>[Signature]</i>	5/20/15		(3)
12. [Name]	VCS Exam Team	<i>[Signature]</i>	5/20/15		(3)
13. [Name]	VCS Exam Team	<i>[Signature]</i>	5/20/15		(3)
14. [Name]	VCS Exam Team	<i>[Signature]</i>	5/20/15		(3)
15. [Name]	VCS Exam Team	<i>[Signature]</i>	5/20/15		(3)

NOTES:

⑧ Signed off on Page 5.

**Denlinger, Benjamin E.**

---

**From:** Vincent Martin <vmartin973@icloud.com>  
**Sent:** Monday, August 08, 2016 6:07 PM  
**To:** Denlinger, Benjamin E.  
**Subject:** NRC

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

Ben,

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 18 July 2016. 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.

Sent from my iPhone



## Denlinger, Benjamin E.

---

**From:** Stille, Dana L.  
**Sent:** Thursday, August 11, 2016 9:36 AM  
**To:** Denlinger, Benjamin E.  
**Subject:** RE: Vogtle 3&4 ILT-1 security agreement sign-off required

Ben,

I have read and agree with the bold statement regarding the license examinations that have taken place for Vogtle 3&4.

Dana L. Stille

---

**From:** Denlinger, Benjamin E.  
**Sent:** Thursday, August 11, 2016 8:31 AM  
**To:** Stille, Dana L. <[dlstille@southernco.com](mailto:dlstille@southernco.com)>  
**Subject:** Vogtle 3&4 ILT-1 security agreement sign-off required

This email serves as a reminder to sign off the Vogtle 3&4 ILT-1 security agreement.

To all,

Examination Security has been lifted for the Vogtle 3&4 ILT-1 NRC Exam. The Operating Exam was administered beginning the week of 07/18/2016 and the Written Exam was administered on 08/03/2016. Please stop by the Exam Development office (B145) in Training Center B to sign off the agreement and return your blue exam security badge.

If you are unable to sign off the agreement in person and would like me to sign you off, please reply to this email and respond with a statement similar to the following:

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

For those signing off the security agreement via email, I will attach your reply to the security agreement forms and forward it to the NRC Chief Examiner.

Thank you for your support during the development and implementation of the ILT-1 Audit and NRC Exams.

Respectfully,

■ **Benjamin E. Denlinger** // Operations Training – Exam Development  
w 706-848-7837 // Southern Nuclear, Vogtle Units 3&4 // c 513-850-3303

## Denlinger, Benjamin E.

---

**From:** Richard <richardkress@me.com>  
**Sent:** Wednesday, August 10, 2016 4:29 PM  
**To:** Denlinger, Benjamin E.  
**Subject:** RE: Vogtle 3&4 ILT-1 security agreement sign-off required

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

Ben,

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

**Thank You  
Richard L. Kress**

---

**From:** Denlinger, Benjamin E. [<mailto:BEDENLIN@southernco.com>]  
**Sent:** Wednesday, August 10, 2016 4:26 PM  
**To:** [richardkress@me.com](mailto:richardkress@me.com)  
**Subject:** Vogtle 3&4 ILT-1 security agreement sign-off required

This email serves as a reminder to sign off the Vogtle 3&4 ILT-1 security agreement.

To all,

Examination Security has been lifted for the Vogtle 3&4 ILT-1 NRC Exam. The Operating Exam was administered beginning the week of 07/18/2016 and the Written Exam was administered on 08/03/2016. Please stop by the Exam Development office (B145) in Training Center B to sign off the agreement and return your blue exam security badge.

If you are unable to sign off the agreement in person and would like me to sign you off, please reply to this email and respond with a statement similar to the following:

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

For those signing off the security agreement via email, I will attach your reply to the security agreement forms and forward it to the NRC Chief Examiner.

Thank you for your support during the development and implementation of the ILT-1 Audit and NRC Exams.

Respectfully,

■ **Benjamin E. Denlinger** // Operations Training – Exam Development  
w 706-848-7837 // Southern Nuclear, Vogtle Units 3&4 // c 513-850-3303



## Denlinger, Benjamin E.

---

**From:** Kotson, James Charles <James.Kotson@duke-energy.com>  
**Sent:** Tuesday, August 09, 2016 2:34 PM  
**To:** Denlinger, Benjamin E.  
**Subject:** RE: Vogtle 3&4 ILT-1 security agreement sign-off required

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

*Sign me off Scotty!*

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

---

**From:** Denlinger, Benjamin E. [<mailto:BEDENLIN@southernco.com>]  
**Sent:** Tuesday, August 09, 2016 1:20 PM  
**To:** Kotson, James Charles  
**Subject:** Vogtle 3&4 ILT-1 security agreement sign-off required

\*\*\* Exercise caution. This is an EXTERNAL email. DO NOT open attachments or click links from unknown senders or unexpected email. \*\*\*

This email serves as a reminder to sign off the Vogtle 3&4 ILT-1 security agreement.

To all,

Examination Security has been lifted for the Vogtle 3&4 ILT-1 NRC Exam. The Operating Exam was administered beginning the week of 07/18/2016 and the Written Exam was administered on 08/03/2016.

If you are unable to sign off the agreement in person and would like me to sign you off, please reply to this email and respond with a statement similar to the following:

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

For those signing off the security agreement via email, I will attach your reply to the security agreement forms and forward it to the NRC Chief Examiner.

Thank you for your support during the development and implementation of the ILT-1 Audit and NRC Exams.

Respectfully,

■ **Benjamin E. Denlinger** // Operations Training – Exam Development  
w 706-848-7837 // Southern Nuclear, Vogtle Units 3&4 // c 513-850-3303

## Denlinger, Benjamin E.

---

**From:** Werneke, Cynthia Shephard  
**Sent:** Monday, August 15, 2016 4:40 PM  
**To:** Denlinger, Benjamin E.  
**Subject:** Re: Vogtle 3&4 ILT-1 security agreement sign-off

Ben,

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations.***

Please let me know if you require further information.

Cynthia Werneke

Sent from my iPad

On Aug 8, 2016, at 11:40 AM, Denlinger, Benjamin E. <[BEDENLIN@southernco.com](mailto:BEDENLIN@southernco.com)> wrote:

*I have read and agree with the bolded statement below. Please sign me off 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 7/18/2016. From the date that I entered into this security agreement until the completion of examination administration, I did not instruct, evaluate, or provide feedback to those applicants who were administered these licensing examinations, except as specifically noted below and authorized by the NRC.***

Facility: <b>Vogtle Unit 3 &amp; 4</b> <b>(AP-1000)</b>		Date of Examination: <b>July 18, 2016</b>		Operating Test Number: <b>—</b>	
1. General Criteria		Initials			
		a	b*	c#	
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	★	★	BN	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	★	★	BN	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1 a.)	★	★	BN	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	★	★	BN	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	★	★	BN	
2. Walk-Through 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>	★	★	BN	
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	★	★	BN	
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.		★	★	BN	
Printed Name / Signature		Date			
a.	Author <b>ANDREW T. NICHOLS</b>	<b>3/29/16</b>			
b.	Facility Reviewer(*) <b>CHUCK HOWARD</b>	<b>3/29/16</b>			
c.	NRC Chief Examiner (#) <b>BRUNO CABALLERO</b>	<b>6-14-16</b>			
d.	NRC Supervisor <b>Eugene Guthrie</b>	<b>7/1/16</b>			
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					



Facility: <u>AP-1000 Vogtle Units 3 &amp; 4</u>		Date of Examination: <u>7/25/16</u>		Operating Test Number:	
1. General Criteria		Initials			
		a	b*	c#	
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	A	b	TSM	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	A	A	TSM	
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	A	b	TSM	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	A	K	TSM	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	A	A	TSM	
2. Walk-Through 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>	A	A	TSM	
b.	Ensure that any changes from the previously approved systems and administrative walk-through outlines (Forms ES-301-1 and 2) have not caused the test to deviate from any of the acceptance criteria (e.g., item distribution, bank use, repetition from the last 2 NRC examinations) specified on those forms and Form ES-201-2.	A	A	TSM	
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.		A	A	TSM	
Printed Name / Signature		Date			
a.	Author <u>ANDREW T. NICHOLS</u>	<u>07/21/2016</u>			
b.	Facility Reviewer(*) <u>CHUCK HOWARD</u>	<u>7/21/2016</u>			
c.	NRC Chief Examiner (#) <u>BRUNO CABALLERO</u>	<u>7-22-16</u> N-1			
d.	NRC Supervisor <u>Eugene Guthrie</u>	<u>7/22/16</u>			
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					

N-1: This form only documents changes to two Admin JPMs (Admin A.3 and Admin A.4) which contained errors found prior to administration to applicants during the exam weeks.

July

Facility: <u>Vogtle Units 3&amp;4</u>		Date of Exam: <u>April 2016</u>		Scenario Numbers: <u>1 / 2 / 3 / 4 / 5 / 6</u>		Operating Test No.: <u>    </u>	
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.		A	H	BM		
2.	The scenarios consist mostly of related events.		A	H	BM		
3.	Each event description consists of <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>		A	H	BM		
4.	The events are valid with regard to physics and thermodynamics.		A	H	BM		
5.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.		A	H	BM		
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.		A	H	BM		
7.	The simulator modeling is not altered.		A	H	BM		
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.		A	H	BM		
9.	Every operator will be evaluated using at least one new or significantly modified scenario. All other scenarios have been altered in accordance with Section D.5 of ES-301.		A	H	BM		
10.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).		A	H	BM		
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.)		A	H	BM		
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).		A	H	BM		
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.		A	H	BM		
Target Quantitative Attributes (Per Scenario; See Section D.5.d)			Actual Attributes				
1.	Malfunctions after EOP entry (1-2)	4 / 2 / 4 / 3 / 3 / 4	A	H	BM		
2.	Abnormal events (2-4)	4 / 4 / 3 / 4 / 5 / 2	A	H	BM		
3.	Major transients (1-2)	1 / 1 / 1 / 1 / 2 / 2	A	H	BM		
4.	EOPs entered/requiring substantive actions (1-2)	1 / 1 / 1 / 2 / 1 / 1	A	H	BM		
5.	EOP contingencies requiring substantive actions (0-2)	0 / 0 / 1 / 1 / 0 / 1	A	H	BM		
6.	EOP based Critical tasks (2-3)	1 / 2 / 2 / 2 / 2 / 2	A	H	BM		
NOTE: <ul style="list-style-type: none"> <li>* The facility signature is not applicable for NRC-developed tests.</li> <li># Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.</li> </ul>							

Facility: <u>Vogtle Units 3&amp;4</u>			Date of Exam: <u>April 2016</u>			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 (*)		
		1			2			3			4						
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	RX	2			2			1						3	1	1	0
	NOR	1			1			2			2			4	1	1	1
	I/C	3, 6, 7, 9, 10, 11, 12			3, 4, 6, 7, 9, 10, 11			3, 5, 6, 8, 9, 10, 11			1, 3, 4, 5, 7, 8, 9			25	4	4	2
	MAJ	8			8			7			6			4	2	2	1
	TS	4, 5			5, 7			4, 6			3, 4			8	0	2	2
	RX								1					1	1	1	0
RO <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	NOR												0	1	1	1	
	I/C		9, 10, 11			6, 7, 9, 10			3, 8, 9, 10			4, 7, 8, 9		15	4	4	2
	MAJ		8			8			7			6		4	2	2	1
	TS		N/A			N/A			N/A			N/A		N/A	0	2	2
	RX			2			2							2	1	1	0
	NOR			1			1			2			2	4	1	1	1
RO <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>	I/C			3, 6, 7, 12			3, 4, 11			5, 6, 11			1, 3, 4, 5	13	4	4	2
	MAJ			8			8			7			6	4	2	2	1
	TS			N/A			N/A			N/A			N/A	N/A	0	2	2
	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	MAJ														2	2	1
	TS														0	2	2

Facility: <u>Vogtle Units 3&amp;4</u>			Date of Exam: <u>April 2016</u>			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 (*)			
		5			6													
		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"/>	RX	1			2										2	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR	1			1										2	1	1	1
SRO-U <input checked="" type="checkbox"/>	I/C	3, 4, 5, 7, 9, 10			4, 5, 7, 8, 10, 11										12	4	4	2
<input type="checkbox"/>	MAJ	6, 8			6, 9										4	2	2	1
	TS	2, 3			3, 7										4	0	2	2
RO <input checked="" type="checkbox"/>	RX		1												1	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR					1									1	1	1	1
SRO-U <input checked="" type="checkbox"/>	I/C		3, 4, 7, 9			7, 8, 10, 11									9	4	4	2
<input type="checkbox"/>	MAJ		6, 8			6, 9									4	2	2	1
	TS		N/A			N/A									N/A	0	2	2
RO <input checked="" type="checkbox"/>	RX						2								1	1	1	0
SRO-I <input checked="" type="checkbox"/>	NOR			1											1	1	1	1
SRO-U <input checked="" type="checkbox"/>	I/C			4, 5, 10			4, 5								5	4	4	2
<input type="checkbox"/>	MAJ			6, 8			6, 9								4	2	2	1
	TS			N/A			N/A								N/A	0	2	2
RO <input type="checkbox"/>	RX															1	1	0
SRO-I <input type="checkbox"/>	NOR															1	1	1
SRO-U <input type="checkbox"/>	I/C															4	4	2
<input type="checkbox"/>	MAJ															2	2	1
	TS															0	2	2



Instructions:

1. Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls" (ATC) and "balance-of-plant" (BOP) positions. Instant SROs (SRO-I) must serve in both the SRO and the ATC positions, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position. If an SRO-I *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
2. Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component 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 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: <u>Vogtle Units 3&amp;4</u>		Date of Examination: <u>April 2016</u>		Operating Test No.:												
Competencies	APPLICANTS															
	RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO/ATC <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO/BOP <input checked="" type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	1-12	1-11	1-11	1-9	8-11	6-10	1,3, 7-10	4,6-9	1-3,6, 7,12	1-4,8, 11	2,5, 6,7, 11	1-6				
Comply With and Use Procedures (1)	1-12	1-11	1-11	1-9	8-11	6-10	1,3, 7-10	4,6-9	1-3,6, 7,12	1-4,8, 11	2,5, 6,7, 11	1-6				
Operate Control Boards (2)	1-12	1-11	1-11	1-9	8-11	6-10	1,3, 7-10	4,6-9	1-3,6, 7,12	1-4,8, 11	2,5, 6,7, 11	1-6				
Communicate and Interact	1-12	1-11	1-11	1-9	8-11	6-10	1,3, 7-10	4,6-9	1-3,6, 7,12	1-4,8, 11	2,5, 6,7, 11	1-6				
Demonstrate Supervisory Ability (3)	1-12	1-11	1-11	1-9	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Comply With and Use Tech. Specs. (3)	4,5	5,7	4,6	3,4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A				
Notes: (1) Includes Technical Specification compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Competency Rating factors as described on forms ES-303-1 and ES-303-3)

(Note: Based on the scenarios chosen and the crew makeup, ATC and BOP (UO) positions will be filled by RO or SRO-I candidates. Form completed for control room positions NOT individual candidates.)

Facility: <u>Vogtle Units 3&amp;4</u>		Date of Examination: <u>April 2016</u>		Operating Test No.:												
Competencies	APPLICANTS															
	RO <input type="checkbox"/> <u>SRO-I</u> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				<u>RO/ATC</u> <input checked="" type="checkbox"/> <u>SRO-I</u> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				<u>RO/BOP</u> <input checked="" type="checkbox"/> <u>SRO-I</u> <input checked="" type="checkbox"/> SRO-U <input type="checkbox"/>				RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	5	6			5	6			5	6						
Interpret/Diagnose Events and Conditions	1-10	1-11			1.3, 4.6-9	1.6-11			1.4-6.8, 10	2.4, .5, 6.9						
Comply With and Use Procedures (1)	1-10	1-11			1.3, 4.6-9	1.6-11			1.4-6.8, 10	2.4, .5, 6.9						
Operate Control Boards (2)	1-10	1-11			1.3, 4.6-9	1.6-11			1.4-6.8, 10	2.4, .5, 6.9						
Communicate and Interact	1-10	1-11			1.3, 4.6-9	1.6-11			1.4-6.8, 10	2.4, .5, 6.9						
Demonstrate Supervisory Ability (3)	1-12	1-10			N/A	N/A			N/A	N/A						
Comply With and Use Tech. Specs. (3)	2.3	3.7			N/A	N/A			N/A	N/A						
Notes: (1) Includes Technical Specification compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.																

**Instructions:**

Check the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant. (This includes all rating factors for each competency.) (Competency Rating factors as described on forms ES-303-1 and ES-303-3)

(Note: Based on the scenarios chosen and the crew makeup, ATC and BOP (UO) positions will be filled by RO or SRO-I candidates. Form completed for control room positions NOT individual candidates.)

Facility: <u>Vogtle</u>		Date of Exam:		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>																																									
Item Description				Initial																																									
				a	b*	c#																																							
1	Questions and answers are technically accurate and applicable to the facility.			D	A	TBL																																							
2	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.			D	A	TBL																																							
3	SRO questions are appropriate in accordance with Section D.2.d of ES-401			D	A	TBL																																							
4	The sampling process was random and systematic (If more than four RO or two SRO questions were repeated from the last two NRC licensing exams, consult the NRR/NRO OL program office).			N/A	N/A	TBL																																							
5	Question duplication from the licensee screening/audit exam was controlled as indicated below (check the item that applies) and appears appropriate: <input checked="" type="checkbox"/> The audit exam was systematically and randomly developed; or ___ the audit exam was completed before the license exam was started; or ___ the examinations were developed independently; or ___ the licensee certifies that there is no duplication; or ___ other (explain)			D	A	TBL																																							
6	Bank use meets limits (no more than 75 percent from the bank, at least 10 percent new, and the rest new or modified); enter the actual RO / SRO-only question distribution(s) at right	Bank	Modified	New	N/A	N/A																																							
		5 / 1	13 / 5	57 / 19	D	A	TBL																																						
7	Between 50 and 60 percent of the questions on the RO exam are written at the comprehension/ analysis level; the SRO exam may exceed 60 percent if the randomly selected K/As support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory	C/A		N/A	N/A																																							
		32 / 10	57% 43 / 15		D	A	TBL																																						
8	References/handouts provided do not give away answers or aid in the elimination of distractors.			D	A	TBL																																							
9	Question content conforms to specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.			D	A	TBL																																							
10	Question psychometric quality and format meet the guidelines in ES Appendix B.			D	A	TBL																																							
11	The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with the value on the cover sheet.			D	A	TBL																																							
<table border="0"> <tr> <td colspan="5">Printed Name / Signature</td> <td colspan="2">Date</td> </tr> <tr> <td>a. Author</td> <td colspan="5"><u>Benjamin E. Penlinger</u></td> <td colspan="2"><u>6/7/2016</u></td> </tr> <tr> <td>b. Facility Reviewer (*)</td> <td colspan="5"><u>Chuck Howard</u></td> <td colspan="2"><u>6/7/2014</u></td> </tr> <tr> <td>c. NRC Chief Examiner (#)</td> <td colspan="5"><u>BRUNO CABALLERO / B. Caballero</u></td> <td colspan="2"><u>6-14-16</u></td> </tr> <tr> <td>d. NRC Regional Supervisor</td> <td colspan="5"><u>Eugene Guthrie / E. Guthrie</u></td> <td colspan="2"><u>7/1/16</u></td> </tr> </table>							Printed Name / Signature					Date		a. Author	<u>Benjamin E. Penlinger</u>					<u>6/7/2016</u>		b. Facility Reviewer (*)	<u>Chuck Howard</u>					<u>6/7/2014</u>		c. NRC Chief Examiner (#)	<u>BRUNO CABALLERO / B. Caballero</u>					<u>6-14-16</u>		d. NRC Regional Supervisor	<u>Eugene Guthrie / E. Guthrie</u>					<u>7/1/16</u>	
Printed Name / Signature					Date																																								
a. Author	<u>Benjamin E. Penlinger</u>					<u>6/7/2016</u>																																							
b. Facility Reviewer (*)	<u>Chuck Howard</u>					<u>6/7/2014</u>																																							
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d. NRC Regional Supervisor	<u>Eugene Guthrie / E. Guthrie</u>					<u>7/1/16</u>																																							
Note: * The facility reviewer's initials or signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initials items in Initial column c, chief examiner concurrence required.																																													

Facility: <u>Vogtle Unit 3</u> <u>AP-1000</u>		Date of Exam: <u>8/3/16</u>	Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>
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Item Description	Initials		
	a	b	c
1. Clean answer sheets copied before grading	SS	N/A	BAK
2. Answer key changes and question deletions justified and documented	N/A		N/A
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	SS		BAK
4. Grading for all borderline cases (80 $\pm$ 2% overall and 70 or 80, as applicable, $\pm$ 4% on the SRO-only) reviewed in detail (4 borderline cases)	SS		BAK
5. All other failing examinations checked to ensure that grades are justified	SS		BAK
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	SS	N/A	BAK

Printed Name/Signature	Date
a. Grader <u>SWETHA SHAH / Swetha Shah</u>	<u>8/15/2016</u>
b. Facility Reviewer(*) <u>N/A</u>	<u>N/A</u>
c. NRC Chief Examiner (*) <u>BRUNO CABALLERO / Bruno Caballero</u>	<u>8-15-16</u>
d. NRC Supervisor (*) <u>Eugene Guthrie / Eugene Guthrie</u>	<u>9/8/16</u>

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

John Austin  
Training Director  
Southern Nuclear  
Operating Company, Inc.  
Plant Vogtle 3&4  
Training Center B  
9034 River Road  
Waynesboro, GA 30830

Tel 706.848.7800  
Fax 706.848.7992



April 11, 2016

ND-16-0579

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

ATTN: Mr. Bruno Caballero

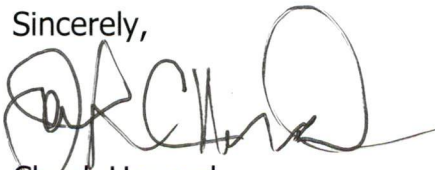
**VOGTLE ELECTRIC GENERATING PLANT UNITS 3&4**  
**NRC OPERATING AND WRITTEN EXAMINATIONS**

Dear Mr. Caballero,

Provided by secure transmittal via FTP site please find the Vogtle 3 & 4 Operating and Written Examinations and supporting documentation. This examination date is to be determined at a later date. This exam package is being submitted in accordance with NUREG-1021 Revision 10. The following forms are included: ES-201-2, ES-301-1, ES-301-2, ES-301-3, ES-301-4, ES-301-5, ES-301-6, ES-D-1, ES-D-2, and ES-401N-6. The exam materials contained in this transmittal MUST be withheld from public disclosure until after the examinations are complete.

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

Sincerely,



Chuck Howard  
Lead Instructor – Exam Development  
Vogtle 3&4



Southern Nuclear Operating Company / Georgia Power Company

Mr. S. E. Kuczynski (w/o enclosures)

Mr. J. A. Miller

Mr. D. G. Bost (w/o enclosures)

Mr. M.D. Meier

Mr. M. D. Rauckhorst (w/o enclosures)

Mr. J. T. Gasser (w/o enclosures)

Mr. D. H. Jones (w/o enclosures)

Ms. K. D. Fili (w/o enclosures)

Mr. J. G. Aufdenkampe

Mr. J. D. Williams

Mr. R. R. Connolly

Mr. T. B. Saunders

Mr. D. R. Madison

Mr. D. M. Lloyd

Mr. B. H. Whitley

Mr. C. R. Pierce

Mr. D. L. Fulton

Mr. M. J. Yox

Mr. C. B. Meadors

Mr. W. A. Sparkman

Mr. J. P. Redd

Mr. R. K. Pope

Mr. J. G. Austin

Mr. F. D. Hundley

Mr. S. M. Crosby

Document Services RTYPE: VND.LI.L00

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Nuclear Regulatory Commission

Mr. V. M. McCree (w/o enclosures)

Mr. M. Delligatti (w/o enclosures)

Mr. L. Burkhart (w/o enclosures)

Mr. D. H. Jaffe

Mr. C. Patel

Ms. D. L. McGovern

Mr. B. M. Bovol

Ms. R. Reyes

Ms. M. A. Sutton

Mr. M. E. Ernstes

Mr. G. Khouri

Mr. L. M. Cain

Mr. J. D. Fuller

Mr. C. B. Abbott

Ms. S. Temple

Ms. K. Stenddenbenz

Oglethorpe Power Corporation

Mr. M. W. Price  
Ms. K. T. Haynes  
Ms. A. Whaley

Municipal Electric Authority of Georgia

Mr. J. E. Fuller  
Mr. S. M. Jackson

Dalton Utilities

Mr. D. Cope

CB&I

Mr. J. Simmons (w/o enclosures)  
Ms. K. Stoner (w/o enclosures)  
Mr. C. A. Castell

Westinghouse Electric Company, LLC

Mr. T. C. Geer (w/o enclosures)  
Mr. S. W. Gray (w/o enclosures)  
Mr. L. Woodcock  
Mr. P. A. Russ  
Mr. G. F. Couture  
Mr. M. Y. Shaqqo

Other

Mr. R. W. Prunty, Bechtel Power Corporation  
Ms. K. K. Patterson, Tetra Tech NUS, Inc.  
Dr. W. R. Jacobs, Jr., Ph.D., GDS Associates, Inc.  
Mr. S. Roetger, Georgia Public Service Commission  
Ms. S. W. Kernizan, Georgia Public Service Commission  
Mr. K. C. Greene, Troutman Sanders  
Mr. S. Blanton, Balch Bingham  
Mr. R. Grumbir, APOG

Karen D. Fili  
Site Vice President  
Plant Vogtle Units 3&4

Southern Nuclear  
Operating Company, Inc.  
7825 River Road  
Waynesboro, GA 30830

Tel 706.848-7717  
Fax 706-848-5796  
kd Fili@southernco.com



August 9, 2016

ND-16-1355

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

ATTN: Mr. Bruno Caballero

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

Dear Mr. Caballero,

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 July 18 and July 25, 2016, and the written exam was administered on August 3, 2016. This post-exam package is being submitted in accordance with NUREG-1021, Revision 10, Section ES-501 (Initial Post-Examination Activities).

Specific items provided include:

- ES-201-3 (Examination Security Agreement) (preliminary)
- 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
- Written examination performance analysis
- Questions asked by the candidates during the exam, with responses (electronic file of modifications provided)
- Condition reports written for procedure revision suggestions, etc.
- Applicant seating chart

The Vogtle 3 & 4 facility has no post examination comments for this examination.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Karen D. Fili".

Karen D. Fili  
Site Vice President

Karen D. Fili  
Site Vice President  
Plant Vogtle Units 3&4

Southern Nuclear  
Operating Company, Inc.  
7825 River Road  
Waynesboro, GA 30830

Tel 706.848-7717  
Fax 706-848-5796  
kd Fili@southernco.com



September 19, 2016

ND-16-1764

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

ATTN: Mr. Bruno Caballero

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

Dear Mr. Caballero,

This letter provides information related to the Vogtle 3 & 4 Initial License Exam (ILT) operating test that was administered during the weeks of July 18 and July 25, 2016, and the written exam that was administered on August 3, 2016.

Enclosed is Westinghouse letter SVP\_SV0\_004186, which contains the following:

1. One copy of "V3&4 NRC ILT-1 Admin Job Performance Measures (JPMs)" (Proprietary)
2. One copy of "V3&4 NRC ILT-1 Admin JPMs" (Non-Proprietary)
3. One copy of "V3&4 NRC ILT-1 In-Plant JPMs" (Proprietary)
4. One copy of "V3&4 NRC ILT-1 In-Plant JPMs" (Non-Proprietary)
5. One copy of "V3&4 NRC ILT-1 Simulator JPMs" (Proprietary)
6. One copy of "V3&4 NRC ILT-1 Simulator JPMs" (Non-Proprietary)
7. One copy of "V3&4 NRC ILT-1 Simulator Scenarios" (Proprietary)
8. One copy of "V3&4 NRC ILT-1 Simulator Scenarios" (Non-Proprietary)
9. One copy of "V3&4 NRC ILT-1 Written Exam" (Proprietary)
10. One copy of "V3&4 NRC ILT-1 Written Exam" (Non-Proprietary)

Also enclosed is the Westinghouse Application for Withholding Proprietary Information from Public Disclosure CAW-16-4480, accompanying Affidavit, Proprietary Information Notice, and Copyright Notice.

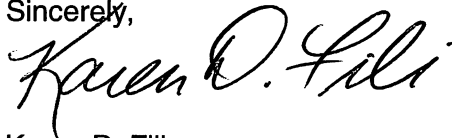
As Items 1, 3, 5, 7, and 9 contain information proprietary to Westinghouse Electric Company LLC, it is supported by an Affidavit signed by Westinghouse, the owner of the information. The Affidavit sets forth the basis on which the information may be withheld from public disclosure by the Commission and 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-16-4480 and should be addressed to James A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, 1000 Westinghouse Drive, Building 3 Suite 310, 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,



Karen D. Fili  
Site Vice President,  
VEGP 3&4  
Nuclear Development  
KDF/MC/am

Enclosure: Westinghouse letter SVP\_SV0\_004186, "CAW-16-4480 (Transmittal of 'V3&4 NRC ILT-Admin JPMs,' 'V3&4 ILT-1 In-Plant JPMs,' 'V3&4 NRC ILT-1 Simulator JPMs,' 'V3&4 NRC ILT-1 Simulator Scenarios,' and 'V3&4 NRC ILT-1 Written Exam')"

cc:

Southern Nuclear Operating Company  
Mr. J. G. Austin (w/o enclosures)  
Document Services RTYPE: VND.LI.L00 (w/o enclosures)  
File AR.01.02.06 (w/o enclosures)



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
REGION II  
245 PEACHTREE CENTER AVENUE NE, SUITE 1200  
ATLANTA, GEORGIA 30303-1257

October 21, 2016

Southern Nuclear Operating Company, Inc.  
ATTN: Ms. Karen D. Fili  
Site Vice President,  
Plant Vogtle Units 3 & 4  
7825 River Road  
Waynesboro, GA 30830

SUBJECT: VOGTLE ELECTRIC GENERATING PLANT UNITS 3 & 4 – REQUEST FOR  
WITHHOLDING OF PROPRIETARY INFORMATION FROM PUBLIC  
DISCLOSURE (ND-16-1764)

Dear Ms. Fili:

During the period of time from February 9, 2015 until August 12, 2016, Mr. John “Chuck” Howard, Lead Exam Writer, provided reference materials, job performance measures (JPMs), simulator scenarios, and written examination test items to our staff. These items were provided to facilitate the development and administration of the NRC Initial Licensing examination, which was originally scheduled for November 2015, and eventually administered during the time periods of July 18 – 28, 2016 (operating test) and August 3, 2016 (written exam).

On September 19, 2016, you submitted letter ND-16-1764, which contained a Westinghouse Application for Withholding Proprietary Information from Public Disclosure (CAW-16-4480), an accompanying Affidavit executed by the Director of Westinghouse AP1000 Configuration Control on September 16, 2016, Proprietary Information Notice, and Copyright Notice. The Westinghouse Application for Withholding Proprietary Information from Public Disclosure requested that the items listed in your letter ND-16-1764, items numbered 1, 3, 5, 7 and 9, be withheld from public disclosure pursuant to Title 10 of the *Code of Federal Regulations* (10CFR), Part 2, Section 2.390. The affidavit stated that the items should be considered exempt from mandatory public disclosure for the following reasons:

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.

Its use by a competitor would reduce expenditure of resources or improve a competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.

Westinghouse AP1000 provided a non-proprietary version of each item listed in your letter. The nonproprietary version of each item listed, items numbered 2, 4, 6, 8 and 10, will be placed in the NRC's Public Document Room and added to the Agencywide Documents Access and Management System Public Electronic Reading Room.

We have reviewed the Westinghouse AP1000 affidavit, CAW-16-4480, in accordance with the requirements of 10 CFR 2.390, and on the basis of its statements, we have determined that the submitted information contains proprietary commercial information and should be withheld from public disclosure. Therefore, the items listed in your letter ND-16-1764, which are designated as proprietary, will be withheld from public disclosure pursuant to 10 CFR 2.390(b)(5) and Section 103(b) of the Atomic Energy Act of 1954, as amended.

Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public inspection should change in the future such that the information could then be made available for public inspection, you should promptly notify the NRC. You also should understand that the NRC may have cause to review this determination in the future, for example, if the scope of a Freedom of Information Act request includes your information. In all review situations, if the NRC makes a determination adverse to the above, you will be notified in advance of any public disclosure.

If you have any questions regarding this this matter, I may be reached at (404) 997-4662, (Internet E-mail: [Eugene.Guthrie@nrc.gov](mailto:Eugene.Guthrie@nrc.gov)).

Sincerely,

**/RA/**

Eugene F. Guthrie, Chief,  
Operations Branch 2  
Division of Reactor Safety

Docket Nos.: 52-025  
License Nos.: NPF-91

cc: S. Shah, DRS  
B. Caballero, DRS  
S. Price, EICS



Westinghouse AP1000 provided a non-proprietary version of each item listed in your letter. The nonproprietary version of each item listed, items numbered 2, 4, 6, 8 and 10, will be placed in the NRC's Public Document Room and added to the Agencywide Documents Access and Management System Public Electronic Reading Room.

We have reviewed the Westinghouse AP1000 affidavit, CAW-16-4480, in accordance with the requirements of 10 CFR 2.390, and on the basis of its statements, we have determined that the submitted information contains proprietary commercial information and should be withheld from public disclosure. Therefore, the items listed in your letter ND-16-1764, which are designated as proprietary, will be withheld from public disclosure pursuant to 10 CFR 2.390(b)(5) and Section 103(b) of the Atomic Energy Act of 1954, as amended.

Withholding from public inspection shall not affect the right, if any, of persons properly and directly concerned to inspect the documents. If the need arises, we may send copies of this information to our consultants working in this area. We will, of course, ensure that the consultants have signed the appropriate agreements for handling proprietary information.

If the basis for withholding this information from public inspection should change in the future such that the information could then be made available for public inspection, you should promptly notify the NRC. You also should understand that the NRC may have cause to review this determination in the future, for example, if the scope of a Freedom of Information Act request includes your information. In all review situations, if the NRC makes a determination adverse to the above, you will be notified in advance of any public disclosure.

If you have any questions regarding this this matter, I may be reached at (404) 997-4662, (Internet E-mail: [Eugene.Guthrie@nrc.gov](mailto:Eugene.Guthrie@nrc.gov)).

Sincerely,

/RA/

Eugene F. Guthrie, Chief,  
Operations Branch 2  
Division of Reactor Safety

Docket Nos.: 52-025  
License Nos.: NPF-91

cc: S. Shah, DRS  
B. Caballero, DRS  
S. Price, EICS

☒ PUBLICLY AVAILABLE

☐ NON-PUBLICLY AVAILABLE

☐ SENSITIVE

☒ NON-SENSITIVE

ADAMS: ☒ Yes

ACCESSION NUMBER: ML16295A331

☐ SUNSI REVIEW COMPLETE ☐ FORM 665 ATTACHED

OFFICE	RII:DRS	RII:DRS					
SIGNATURE	<b>SXS31 VIA EMAIL</b>	<b>EFG</b>					
NAME	SHAH	GUTHRIE					
DATE	10/20/2016	10/21/2016	10/ /2016	10/ /2016	10/ /2016	10/ /2016	10/ /2016
E-MAIL COPY?	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO	YES NO

OFFICIAL RECORD COPY

DOCUMENT NAME: