(16-01 class)

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 6/4, 6/11 - 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Robert Johnston	Developer		4/5/17		6/20/18	
2. DANNY RHYMER	OPS REP /SM		4/5/17		6/20/18	
3. Mike Anderson	Developer		4/5/17		6/20/18	
4. SCOTT RICHARDSON	DEVELOPER		4/5/17		6/20/18	
5. PAUL PODADAK	SIM ENG		5/23/17			* see sheet 7
6. Andrew Petrarca	Sim Engineer		5/23/17		6/28/18	
7. JOEL BROOKS	SIM ENGINEER		5/23/17		6/24/18	
8. CHRIS DUNGER	Simulator Oper. Specialist		5/23/17			* see sheets 6A/6B
9. RYAN KIMMY	SOS		5/23/17		6/27/18	
10. Jody Lawter	Simulator Supervisor		5/23/17		6/28/18	
11. Thomas McDonald	OPS RO		01/22/18			* see sheet 8
12. Terry Holcombe	OPS RO		01/22/18		6-20-18	
13. Jason Pawlak	CRS OPS		1/22/18		6/28/18	
14. MIKE WILLIS	CRS OPS		1-22-18			
15. MAX BOOR	OPS RO		1/29/18		6/21/18	

NOTES:

Sheet 1 of 5

1601 clear

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 6/4, 6/11 -2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/13/18. 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. Howard Garrett	Field Supervisor		1-29-18			* see sheet 9
2. Dan Fisher	CRS		1-29-18			* see sheet 10
3. Ryan Belcher	RO		1-29-18		6/26/18	
4. Dustin Anderson	RO		2-3-18		6/20/18	
5. Pete Rausch	RO		2-3-18		6/20/18	
6. James Geis	CRS		2-3-18		6/20/18	
7. Elvis Zimmerman	Field Supervisor		2/5/18		6/26/18	
8. Shaun Kowalke	RO		2/5/18		6/26/18	
9. Scott Bender	Shift Engineer		2/5/18		6/20/18	
10. Brandon Blue	SRO/ Shift Engineer		2/10/18		6/21/18	
11. Robbie Crain	CRS		2/13/18		6/21/18	
12. Justin Buck	RO		2/14/18		6/25/18	
13. Bert Rachals	SE		2/14/18		6/26/18	
14. Joshua Riordan	RO		2-14-18		6-21-18	
15. Will Kearney	Shift Engr		2-15-18		6-20-18	

NOTES:

Sheet 2 of 5

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 6/4, 6/11 - 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Robert Justice	GMNPO		2/16/18		6/27/18	
2. DON SHUE	MGR OPS		2/16/18		6/20/18	
3. Evan Derrick	RO		2/25/18		6-26-18	
4. Justin E Galloway	RO	Justin E Galloway	3/3/18	Justin E Galloway	6/20/18	
5. Mike Kranendonk	CRS		3-8-18		6-20-18	
6. Travis Mickiewicz	CRS		3-12-18			* see sheet 11
7. ROBBIE KING	SE/CRS		5-1-18		7-5-18	
8. ANTON MALSAM	RO		5-3-18		6-25-18	
9. Kyris Blair	RO		5/3/18		6/21/18	
10. Steven Billingsley	SM / SRO		5-7-18		7-10-18	
11. Andy McNeely	RO		5-7-18		6/26/18	
12. JASON T. RINEHART	HP SUPV		5-7-18		6/27/18	
13. Robert Shaw	OPS Tng Supv.		5/9/18		6/20/18	
14. Tony Taffar	Instructor		5-30-18		6-20-18	
15. Darren Wokuska	Instructor		5-31-18		6-20-18	

NOTES:

Sheet 3 of 5

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 6/4, 6/11 - 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. **Post-Examination**

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 – 6/18/18. 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. Robert Justice	GMNPO		2/16/18			
2. Don Shue	MGR OPS		2/16/18			
3. Evan Derick	RO		2/25/18			
4. Justin E Galloway	RO	Justin E Galloway	3/3/18			
5. Mike Kranendonk	OPS		3-8-18			
6. Travis Mickisch	CRS		3-12-18			
7. Russell Joplin	External Exam Lead		3-26-18			ok see sheet 12
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NOTES:

Sheet 4 of 5

2018

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 6/4/18 - 6/18/18 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 6/4/18 - 6/18/18. 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. Jim Kolkelmann	SUPERVISOR		5/31/18		6/20/18	
2. Samantha Pennard	Instructor		5/31/18		6/20/18	
3. KEITH HILYER	INSTRUCTOR		5/31/18		6/20/18	
4. Bill Schulze	Instructor		5-31-18		6-20-18	
5. Joshua Reuer	Instructor		6/4/18		6-20-18	
6. Harry Mertins	Instructor		6.4.18		6-20-18	
7. Doug Edwards	Operations Supervisor		6-4-18		6-20-18	
8. Jason Galloway	Mentor		6.4.18		6.21.18	
9. Polly Pomicall	Instructor		6-4-18		6/25/18	
10. Jason Woodworth	Instructor		6/19/2018		6-24-18	
11. RICHARD GOLDSTEIN	Instructor		6-18-18		6-20-18	
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NOTES:

Sheet 5 of 5

JOHNSTON, ROBERT N

From: JOHNSTON, ROBERT N
Sent: Thursday, July 05, 2018 12:33 PM
To: 'larry_wag@msn.com'
Cc: ANDERSON, MICHAEL
Subject: Security agreement

Mr. Larry Wagner,

We have wrapped up another exam that had you on the associated security agreement. Please read the following statement and note the instruction below:

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during
the weeks of 6/4/18 through 6/18/18. 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.

<u>If you have abided by the requirement above, please reply with a statement stating that you agree.</u>

Thank you for your assistance, Hope all is well.

Robert Johnston
Lead Developer
V.C. Summer
(803) 931-5173 (ext. 55173)

Sheet 6a

JOHNSTON, ROBERT N

From: Larry Wagner <Larry_Wag@msn.com>
Sent: Thursday, July 05, 2018 1:53 PM
To: JOHNSTON, ROBERT N
Subject: Re: Security agreement

***This is an EXTERNAL email from Larry Wagner (Larry_Wag@msn.com). Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

I did not
instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations.
Thank you Robert.

Sent from my iPhone

On Jul 5, 2018, at 12:32 PM, JOHNSTON, ROBERT N <ROBERT.JOHNSTON@scana.com> wrote:

> I did not
>
> instruct, evaluate, or provide performance feedback to those applicants who were administered these licensing examinations,

Sheet 6B

JOHNSTON, ROBERT N

To: Paul Popadak
Subject: RE: Security Agreement - VC Summer

From: Paul Popadak [mailto:popadak@pacbell.net]
Sent: Thursday, July 05, 2018 1:18 PM
To: JOHNSTON, ROBERT N <ROBERT.JOHNSTON@scana.com>
Subject: Re: Security Agreement - VC Summer

***This is an EXTERNAL email from Paul Popadak (popadak@pacbell.net). Please do not click on a link or open any attachments unless you are confident it is from a trusted source.

I have abided with the agreement and agree.

Paul Popadak

Sent from my iPhone

On Jul 5, 2018, at 12:34 PM, JOHNSTON, ROBERT N <ROBERT.JOHNSTON@scana.com> wrote:

> Mr. Paul Popodak,
>
> We have wrapped up another exam that had you on the associated security agreement. Please read the following statement and note the instruction below:
>
> To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during
> the weeks of 6/4/18 through 6/18/18. 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.
>
> If you have abided by the requirement above, please reply with a statement that you agree.
>
> Thank you for your assistance, Hope all is well.
>
> Thanks,
>
> **Robert Johnston**
> *Lead Developer*
> V.C. Summer
> (803) 931-5173 (ext. 55173)

Sheet 7

(16-01 class)

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 6/4, 6/11 - 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Robert Johnston	Developer		4/5/17		6/20/18	
2. Danny Rhymer	OPS LEP /SM		4/5/17		6/20/18	
3. Mike Anderson	Developer		4/5/17		6/20/18	
4. Scott Richardson	Developer		4/5/18		6/20/18	
5. Paul Podrasky	Simulator		5/23/17			
6. Andrew Petrowich	Sim Engineer		5/23/17		6/20/18	
7. John Brooks	Sim Engineer		5/23/17		6/21/18	
8. Gary Dufresne	Simulator Oper. Specialist		5/23/17			
9. Ryan Rimma	SOS		5/23/17			
10. Jody Lawter	Simulator Supervisor		5/23/17		6/28/18	
11. Thomas McDonald	OPS RO		4/27/17		6/26/18	*
12. Terry Holcombe	OPS RO		01/22/18		6-20-18	
13. Jason Pawlak	CRS OPS		1/22/18			
14. Mike Willis	CRS OPS		1-22-18			
15. Max Boor	OPS RO		1/29/18		6/21/18	

NOTES:

* Emailed from Tom McDonald 6/26/18

Sheet 8

1601 clear

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 6/4, 6/11 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Howard Garrett	Field Supervisor		1-29-18		6/19/18	
2. Dan Fisher	CRS		1-29-18			
3. Ryan Belcher	RO		1-29-18			
4. Dustin Anderson	RO		2-3-18			
5. Pete Rausch	RO		2-3-18			
6. James Geib	CRS		2-3-18			
7. Elvis Zimmerman	Field Supervisor		2/5/18			
8. Shaun Kovalke	RO		2/5/18			
9. Scott Bender	Shift Engineer		2/5/18			
10. Brandon Blue	SRO/ Shift Engineer		2/10/18			
11. Robbie Crain	CRS		2/13/18			
12. Justin Buck	RO		2/14/18			
13. Bert Rachals	SE		2/14/18			
14. Joshua Riordan	RO		2-14-18			
15. Will Kearney	Shift Engr		2-15-18			

NOTES:

ES-201, Page 31 of 32

Sheet 9

1601 class

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 6/4, 6/11 -2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Howard Garrett	Field Supervisor		1-29-18			
2. Dan Fisher	CRS		1-29-18		6/22/18	
3. Ryan Belcher	RO		1-29-18			
4. Dustin Anderson	RO		2-3-18			
5. Pete Rausch	RO		2-3-18			
6. James Geis	CRS		2-3-18			
7. Elvis Zimmerman	Field Supervisor		2/5/18			
8. Shaun Kovalke	RO		2/5/18			
9. Scott Bender	Shift Engineer		2/5/18			
10. Brandon Blue	SRO/ SHIFT ENGINEER		2/10/18			
11. Robbie Crain	CRS		2/13/18			
12. Justin Buck	RO		2/14/18			
13. Bert Rachals	SE		2/14/18			
14. Joshua Riordan	RO		2-14-18			
15. Will Kearney	SHIFT ENGR		2-15-18			

NOTES:

ES-201, Page 31 of 31

sheet 10

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 6/4, 6/11 - 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. **Post-Examination**

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 6/4/18 - 6/18/18. 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. Robert Justice	GMNPO		2/16/18			
2. DON SHUE	MOR OPS		2/16/18		6/20/18	
3. Evan Derick	RO		2/25/18		6-26-18	
4. Justin E Galloway	RO		3/3/18		6/20/18	
5. Mike Krancendonk	CRS		3-8-18		6-20-18	
6. Travis Micklesh	CRS		3-12-18		6-26-18	*
7. ROBBIE KING	SE/CRS		5-1-18			
8. ANTON MALSAM	RO		5-3-18			
9. Kyle Blair	RO		5/3/18		6/21/18	
10. Steven Billingsley	SM/SRO		5-2-18			
11. Andy McNeely	RO		5-7-18		6/26/18	
12. Jason T. Rinehart	HP SUPV		5-7-18			
13. Robert Shaw	Ops Trng Supv.		5/9/18			
14. Tony Taffar	Instructor		5-30-18		6-20-18	
15. Darren Wakulka	Instructor		5-31-18		6-20-18	

NOTES:

ES-201, Page 31 of 31

* Emailed from Travis Micklesh 6/27/18

Sheet 11

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 2/19, 6/11 2018 as of the date of my signature. I agree that I will not knowingly divulge any information about these examinations to any persons who have not been authorized by the NRC's chief examiner. I understand that I am not to instruct, evaluate, or provide performance feedback to those applicants scheduled to be administered these licensing examinations from this date until completion of examination administration, except as specifically noted below and authorized by the NRC (e.g., acting as a simulator booth operator or communicator is acceptable if the individual does not select the training content or provide direct or indirect feedback). Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC's chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 2/4/18 - 6/22/18. 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. Robert Justice	GMNPO		2/16/18			
2. DON SHUE	MGR OPS		2/16/18			
3. Evan Derick	RO		2/25/18			
4. Justin E Galloway	RO	Justin E Galloway	3/3/18			
5. Mike Kranendonk	OPS		3-8-18			
6. Doug Mielicki	OPS		3-12-18			
7. Russell Joplin	External Exam Peer	RWJ	3-26-18	RWJ	6-21-18	*
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NOTES:

* Emailed from Russell Joplin 6/21/18

Sheet 12

Facility: VC Summer (Unit 1) Date of Examination: Op 6/4/18 Wr 6/19/18

Developed by: Written: Facility [X] NRC [ ] // Operating Facility [X] NRC [ ]

Target Date*	Task Description (Reference)	Chief Examiner's Initials
-240	1. Examination administration date confirmed (C.1.a; C.2.a–b). For NRC-prepared exams, arrangements are made for the facility to submit reference materials (C.1.e; C.3.c; Attachment 3). 10/11/17	BJL
-210	2. NRC examiners and facility contact assigned (C.1.d; C.2.f). 10/11/17	BJL
-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). 5/3/17	BJL
-210	4. Reference material due for NRC-prepared exams (C.1.e; C.3.c; Attachment 3). 11/27/17	BJL
-210	5. Corporate notification letter sent (C.2.e). 11/6/17	BJL
-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). 5/3/17	BJL
-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). 11/27/17	BJL
-136	8. Operating test outline(s) reviewed by the NRC and feedback provided to facility licensee (C.2.h; C.3.d–e). 12/29/17	BJL
-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). WR: 2/26/18, Op: 3/16/18	BJL
-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).	N/A
-60	11. Preliminary waiver/excusal requests due (C.1.m; C.2.c; ES-202).	N/A
-50	12. Written exam and operating test reviews completed (C.3.f). 4/6/18	BJL
-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. 5-7-18	BJL
-30	14. Preliminary license applications and waiver/excusal requests, as applicable (NRC Form 398) due (C.1.m; C.2.i; ES-202). 5-4-18	BJL
-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). 5-21-18	BJL
-7	16. Written examinations and operating tests approved by the NRC supervisor (C.2.j–k; C.3.h). 5/29/18	BJL
-7	17. Request facility licensee management feedback on the examination (C.2.l). 6/19/18	BJL
-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). 5/29/18	BJL
-7	19. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k). 6/18/18	BJL
-7	20. Approved scenarios and job performance measures distributed to NRC examiners (C.3.i). 6/4/18	BJL

* 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: Date of Examination:

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

	Printed Name/Signature	Date
a. Author	Robert Johnston / [signature]	5/18/18
b. Facility Reviewer (*)	DANNY RHYMER / [signature]	5/18/18
c. NRC's Chief Examiner (#)	BRUNO CABALLERO / B. Caballero	5-22-18
d. NRC Supervisor	Eugene Guthrie / [signature]	5/29/18

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

N-1: Written Exam Outline developed by NRC, and previously documented on a different Form ES-201-2.

– WRITTEN EXAM SAMPLE PLAN ONLY –

Facility: V.C. SUMMER (UNIT 1) Date of Examination: JUNE 2018

Item	Task Description	Initials a	Initials b*	Initials c**
1. WRITTEN	a. Verify that the outline(s) fit(s) the appropriate model in accordance with ES-401 or ES-401N.	M	N/A	BL
	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	BL
	c. Assess whether the outline overemphasizes any systems, evolutions, or generic topics.	M	N/A	BL
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	M	N/A	BL
2. SIMULATOR	a. Using Form ES-301-5, verify that the proposed scenario sets cover the required number of normal evolutions, instrument and component failures, technical specifications, and major transients.			
	b. Assess whether there are enough scenario sets (and spares) to test the projected number and mix of applicants in accordance with the expected crew composition and rotation schedule without compromising exam integrity, and ensure that each applicant can be tested using at least one new or significantly modified scenario, that no scenarios are duplicated from the applicants' audit test(s), and that scenarios will not be repeated on subsequent days.			
	c. To the extent possible, assess whether the outline(s) conforms with the qualitative and quantitative criteria specified on Form ES-301-4 and described in Appendix D and in Section D.5, "Specific Instructions for the 'Simulator Operating Test,'" of ES-301 (including overlap).			
3. WALKTHROUGH	a. Verify that the systems walkthrough outline meets the criteria specified on Form ES-301-2: (1) The outline(s) contains the required number of control room and in-plant tasks distributed among the safety functions as specified on the form. (2) Task repetition from the last two NRC examinations is within the limits specified on the form. (3) No tasks are duplicated from the applicant's audit test(s). (4) The number of new or modified tasks meets or exceeds the minimums specified on the form. (5) The number of alternate-path, low-power, emergency, and radiologically controlled area tasks meets the criteria on the form.	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 whether there are enough different outlines to test the projected number and mix of applicants and ensure that no items are duplicated on subsequent days.			
4. GENERAL	a. Assess whether plant-specific priorities (including probabilistic risk assessment and individual plant examination insights) are covered in the appropriate exam sections.	M	N/A	BL
	b. Assess whether the 10 CFR 55.41, 55.43, and 55.45 sampling is appropriate.	M	N/A	BL
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	M	N/A	BL
	d. Check for duplication and overlap among exam sections and the last two NRC exams.	N/A	N/A	N/A
	e. Check the entire exam for balance of coverage.	M	N/A	BL
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	M	N/A	BL

	Printed Name/Signature	Date
a. Author	MICHAEL MEEKS / Michael Meeks	04/03/2017
b. Facility Reviewer (*)	N/A	N/A
c. NRC's Chief Examiner (#)	BRUNO CABALLERO / Bruno Caballero	5-2-17
d. NRC Supervisor	Eugene Cruthris / [illegible]	5/2/17

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

Facility:	Date of Examination:	Operating Test Number:

	1. General Criteria	Initials a	Initials b*	Initials c#
a.	The operating test conforms to the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	[illegible]	[illegible]	BL
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	[illegible]	[illegible]	BL
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a.).	[illegible]	[illegible]	BL
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	[illegible]	[illegible]	BL
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	[illegible]	[illegible]	BL
	2. Walkthrough Criteria	--	--	--
a.	Each JPM includes the following, as applicable: • initial conditions • initiating cues • references and tools, including associated procedures • reasonable and validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee • operationally important specific performance criteria that include— – detailed expected actions with exact criteria and nomenclature – system response and other examiner cues – statements describing important observations to be made by the applicant – criteria for successful completion of the task – identification of critical steps and their associated performance standards – restrictions on the sequence of steps, if applicable	[illegible]	[illegible]	BL
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.	[illegible]	[illegible]	BL
	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.	[illegible]	[illegible]	BL

		Printed Name/Signature	Date
a.	Author	Robert Johnston	5/18/18
b.	Facility Reviewer (*)	DANNY RHYMER	5/18/18
c.	NRC Chief Examiner (#)	BRUNO CABALLERO / B. Caballero	5-22-18
d.	NRC Supervisor	Eugene Guthrie / E. Guthrie	5/24/18

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

Facility: VC SUMMER Date of Exam: 06/04/2018 Scenario Numbers: 1/2/3/4 Operating Test No: NRC-ILO-16-01

QUALITATIVE ATTRIBUTES	Initials a	b*	c#
1. The initial conditions are realistic, in that some equipment and/or instrumentation may be out of service, but it does not cue the operators into expected events.			
2. The scenarios consist mostly of related events.			
3. Each event description consists of • the point in the scenario when it is to be initiated • the malfunction(s) or conditions that are entered to initiate the event • the symptoms/cues that will be visible to the crew • the expected operator actions (by shift position) • the event termination point (if applicable)			
4. The events are valid with regard to physics and thermodynamics.			
5. Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.			
6. If time compression techniques are used, the scenario summary clearly so indicates. Operators have sufficient time to carry out expected activities without undue time constraints. Cues are given.			
7. The simulator modeling is not altered.			
8. The scenarios have been validated. Pursuant to 10 CFR 55.46(d), any open simulator performance deficiencies or deviations from the referenced plant have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.			
9. Scenarios are new or significantly modified in accordance with Section D.5 of ES-301.			
10. All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).			
11. The scenario set provides the opportunity for each applicant to be evaluated in each of the applicable rating factors. (Competency Rating factors as described on forms ES-303-1 and ES-303-3.)			
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).			
13. The level of difficulty is appropriate to support licensing decisions for each crew position.			

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

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

Facility: VC SUMMER Date of Examination: 6/4/2018 Operating Test No: ILO-16-01

Competencies	APPLICANTS															
	RO-1				RO-2				RO-3				SRO-I-1			
	RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1(B)	3(R)			2(B)	3(R)			1(B)	2(R)	3(B)		2(R)	3(C)		
Interpret/Diagnose Events and Conditions	4, 5	4, 6			2, 3	4, 6			4, 5	4, 5	3, 5		4, 5	8		
Comply With and Use Procedures (1)	1, 4, 5, 6, 7	2, 4, 6, 8			1, 2, 3, 6, 7	2, 4, 6, 8			1, 4, 5, 6, 7	3, 4, 5, 6, 7	1, 3, 5, 8		3, 4, 5, 6, 7	1, 2, 3, 4, 5, 6, 8		
Operate Control Boards (2)	1, 4, 5, 6, 7	2, 4, 6, 8			1, 2, 3, 6, 7	2, 4, 6, 8			1, 4, 5, 6, 7	3, 4, 5, 6, 7	1, 3, 5, 8		3, 4, 5, 6, 7			
Communicate and Interact	1, 4, 5, 6, 7	2, 4, 6, 8			1, 2, 3, 6, 7	2, 4, 6, 8			1, 4, 5, 6, 7	3, 4, 5 6, 7	1, 3, 5, 8		3, 4, 5 6, 7	1, 2, 3, 4, 5, 6, 7, 8		
Demonstrate Supervisory Ability (3)														1, 2, 3, 4, 5, 6, 7, 8		
Comply With and Use Tech. Specs. (3)														3, 7		

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.)

Facility: VC SUMMER Date of Examination: 6/4/2018 Operating Test No: ILO-16-01

Competencies	APPLICANTS															
	SRO-I-2				SRO-I-3				SRO-U-1				SRO-U-2			
	RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐				RO ☐ SRO-I ☐ SRO-U ☐			
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1(R)	2(C)			1(R)	2(C)	3(B)		1(C)	2(B)			1(C)	3(C)		
Interpret/Diagnose Events and Conditions	2, 3	6, 7			2, 3	6, 7	3, 5		6, 7	2, 3,			6, 7	8		
Comply With and Use Procedures (1)	1, 2, 3, 6, 7	1, 2, 3, 4, 5, 6, 7			1, 2, 3, 6, 7	1, 2, 3, 4, 5, 6, 7	1, 3, 5, 8		1, 2, 3, 4, 5, 6, 7	1, 2, 3, 6, 7			1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 5, 6, 8		
Operate Control Boards (2)	1, 2, 3, 6, 7				1, 2, 3, 6, 7		1, 3, 5, 8			1, 2, 3, 6, 7						
Communicate and Interact	1, 2, 3, 6, 7	1, 2, 3, 4, 5, 6, 7			1, 2, 3, 6, 7	1, 2, 3, 4, 5, 6, 7	1, 3, 5, 8		1, 2, 3, 4, 5, 6, 7	1, 2, 3, 6, 7			1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 5, 6, 7, 8		
Demonstrate Supervisory Ability (3)		1, 2, 3, 4, 5, 6, 7				1, 2, 3, 4, 5, 6, 7			1, 2, 3, 4, 5, 6, 7				1, 2, 3, 4, 5, 6, 7	1, 2, 3, 4, 5, 6, 7, 8		
Comply With and Use Tech. Specs. (3)		4, 5				4, 5			2, 3, 4				2, 3, 4	3, 7		

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.)

Facility: Summer | Date of Exam: ~~6/18~~ 6/19/18 BLC | Exam Level: RO ☒ SRO ☒

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

	Printed Name/Signature	Date
a. Grader	David Lanyi / [signature]	6/28/18
b. Facility Reviewer(*)	N/A	N/A
c. NRC Chief Examiner (*)	BRUNO CABALLERO	7-2-18
d. NRC Supervisor (*)	Eugene Guthrie / [signature]	7/10/18

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

FOR OFFICIAL USE ONLY

Neil E. Constance
Manager, Nuclear Training
803.345.4028

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November 21, 2017

Eugene F. Guthrie, Chief
Operations Branch 2
Division of Reactor Safety
U.S. Nuclear Regulatory Commission, Region II
245 Peachtree Center Ave. N.E., Suite 1200
Atlanta, Georgia 30303-1257

Dear Mr. Guthrie:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS), UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
REACTOR AND SENIOR REACTOR OPERATOR
INITIAL EXAMINATION OUTLINES

In accordance with the guidelines in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors," Revision 11, in particular ES-201, "Initial Operator Licensing Examination Process," and ES-301, "Preparing Initial Operating Tests," South Carolina Electric & Gas Company has enclosed the following information for your consideration:

- Enclosure 1 ES-201-2, Examination Outline Quality Checklist
- Enclosure 2 ES-201-3, Examination Security Agreement
- Enclosure 3 ES-301-1, Administrative Topics Outline
- Enclosure 4 ES-301-2, Control Room/In-Plant Systems Outline
- Enclosure 5 ES-301-5, Transient and Event Checklist
- Enclosure 6 ES-D-1s, Scenario Outlines
- Enclosure 7 Supporting Reference Materials

The enclosed examination materials have been independently reviewed by Danny L. Rhymer, Shift Manager, Operations.

In accordance with NUREG-1021, this material must be withheld from public disclosure until the examinations are complete.

Should there be any questions, please contact Mr. Robert N. Johnston, Lead Developer, at (803) 931-5173.

Very truly yours,

Neil E. Constance

TS/NEC/rp
Enclosures

c:
B. L. Caballero (NRC e-mail notification)
NRC Resident Inspector

RTS (CR-17-05844)
File (814.04, RR 1050)
PRSF (RC-17-0166)

rec'd 11-27-17

George A. Lippard
Vice President, Nuclear Operations
803.345.4810

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March 8, 2018

Mr. Eugene F. Guthrie, Chief
Operations Branch 2
Division of Reactor Safety
U. S. Nuclear Regulatory Commission, Region II
245 Peachtree Center Ave. N.E., Suite 1200
Atlanta, GA 30303-1257

Dear Mr. Guthrie:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS), UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
REACTOR AND SENIOR REACTOR OPERATOR OPERATING TEST AND SUPPORTING REFERENCE MATERIAL

Based on the guidelines in NUREG-1021, "Operator Licensing Examination Standards for Power Reactors", Revision 11, South Carolina Electric & Gas Company is providing the following information for your consideration.

- 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 Outlines
- Operational Exam Hard Copy
- Operational Exam Electronic Files on DVD-ROM
- Supporting Reference Documentation Files on DVD-ROM

The enclosed examination materials have been independently reviewed by Mr. Danny Rhymer, Shift Manager. In accordance with NUREG-1021, this material must be withheld from public disclosure until the examinations are complete.

Should there be any questions, please contact Mr. Robert N. Johnston at (803) 931-5173.

Very truly yours,

George A. Lippard

TS/GAL/sr
Enclosures
c: (Without Enclosures unless noted)
G. J. McCoy
B. L. Caballero
R. N. Johnston

NRC Resident Inspector
RTS (CR-17-05844)
File (814.04, RR 1050)
DMS (RC-18-0030)

Rec'd 3/19/18

George A. Lippard
Vice President, Nuclear Operations
803.345.4810

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May 3, 2018
MC-18-0032

Ms. Catherine Haney
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
245 Peachtree Center Ave. N.E., Suite 1200
Atlanta, GA 30303-1257

Dear Ms. Haney:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS), UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
PRELIMINARY APPLICATIONS FOR REACTOR OPERATOR LICENSE AND SENIOR REACTOR OPERATOR LICENSE CANDIDATES AND CERTIFICATIONS OF MEDICAL EXAMINATIONS

The following personnel are scheduled to take operator license examinations starting Monday, June 4, 2018. Attached are the preliminary applications (NRC Form 398) and Certifications of Medical Examination (NRC Form 396) for the following individuals:

Senior Reactor Operator	Docket Number	Current License Number
Andrew Garrett Bemis	55-24064	OP-22010
Nathan Lee Newman	55-24072	OP-22012
Thomas Jamison Brannan	55-72850	
Keith John Dalick	55-72851	
Lauren Elizabeth Lorick	55-72849	

Reactor Operator	Docket Number
Jared Lewis O'Cain	55-72848
JohnPaul Laude Thomas	55-72853
Kyle Nicholas Wright	55-72852

If you require additional information, please contact Tracey Stewart (803) 931-5663.

Very truly yours,

George A. Lippard

TS/GAL/sr
Attachment I NRC Form 398
Attachment II NRC Form 396

c: (Without Attachments unless noted)
Eugene F. Guthrie (w/attachments)
Bruno Caballero (w/attachments)
R. N. Johnston
R. Shane
D. J. Edwards
NRC Resident Inspector
RTS (CR-17-05844)
File (814.04)
PRSF (MC-18-0032)

~~Personally Identifiable Information Withheld Under 10 CFR 2.390~~

George A. Lippard
Vice President, Nuclear Operations
803.345.4810

SCE&G®
A SCANA COMPANY

May 18, 2018
MC-18-0036

Ms. Catherine Haney
Regional Administrator, Region II
U.S. Nuclear Regulatory Commission
245 Peachtree Center Ave. N.E., Suite 1200
Atlanta, GA 30303-1257

Dear Ms. Haney:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS), UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
APPLICATIONS FOR REACTOR OPERATOR LICENSE AND SENIOR REACTOR OPERATOR LICENSE CANDIDATES AND CERTIFICATIONS OF MEDICAL EXAMINATIONS

Attached are the applications (NRC Form 398) and Certification of Medical Examination by Facility Licensee (NRC Form 396) to support the license examinations scheduled to be conducted beginning June 4, 2018, for the following individuals:

Senior Reactor Operator	Docket Number	Current License Number
Andrew Garrett Bemis	55-24064	OP-22010
Nathan Lee Newman	55-24072	OP-22012
Thomas Jamison Brannan	55-72850	
Keith John Dalick	55-72851	
Lauren Elizabeth Lorick	55-72849	

Reactor Operator	Docket Number
Jared Lewis O'Cain	55-72848
JohnPaul Laude Thomas	55-72853
Kyle Nicholas Wright	55-72852

MAY 2 1 2018

~~Attachments transmitted herewith contains Personally Identifiable Information. When separated from attachments, this transmittal document is decontrolled~~

[redacted]

If you require additional information, please contact Tracey Stewart (803) 931-5663.

Very truly yours,

George A. Lippard

TS/GAL/hk
Attachment I NRC Form 398
Attachment II NRC Form 396

c: (Without Attachments unless noted)
Eugene F. Guthrie (w/attachments)
Bruno Caballero (w/attachments)
R. N. Johnston
R. Shane
D. J. Edwards
NRC Resident Inspector
RTS (CR-17-05844)
File (814.04)
PRSF (MC-18-0036)

[redacted]

William H. Moore
Interim Manager, Nuclear Training
803.345.4195

SCE&G®
A SCANA COMPANY

June 25, 2018

Mr. Eugene F. Guthrie, Chief
Operations Branch 2
Division of Reactor Safety
U.S. Nuclear Regulatory Commission, Region II
245 Peachtree Center Ave. N.E., Suite 120
Atlanta, GA 30303-1257

Dear Sir / Madam:

Subject: VIRGIL C. SUMMER NUCLEAR STATION (VCSNS), UNIT 1
DOCKET NO. 50-395
OPERATING LICENSE NO. NPF-12
INITIAL OPERATOR LICENSE EXAMINATION
POST EXAMINATION SUBMITTAL

The VCSNS Initial Operator License Examination was administered during the weeks of June 4, 2018 and June 18, 2018. The VCSNS Initial License Written Examination was administered on June 19, 2018. VCSNS is enclosing the following as required by Revision 11 of NUREG 1021, "Operator Licensing Examination Standards for Power Reactors:"

1. Each applicant's original answer and examination cover sheets plus two clean copies of each applicant's answer sheet;
2. A copy of each applicant's answer sheet as unofficially graded by the facility;
3. The master examinations and answer keys;
4. A copy of questions asked by the applicants during the written exam;
5. Written examination seating chart; and
6. Written examination performance analysis.

There are no formal post-examination comments for any portion of the examination. VCSNS does not request a change to any examination item. As agreed, the examination security agreement will be sent via email at a later date.

If you require any additional information or have any questions, please contact Robert Johnston at (803) 931-5173.

Very truly yours,

William H. Moore

William H. Moore

TS/WHM/sr
Enclosures

c: (Without Enclosure unless noted)
C. Haney
B. L. Caballero
NRC Resident Inspector

RTS (CR-17-05844)
File (814.04, RR 1050)
PRSF (RC-18-0078)

Page 1 of 2

Facility: VC Summer Unit 1 Date of Exam: June 4, 2018 Operating Test No.:

APPLICANT	EVENT TYPE	Scenarios 1 CREW POSITION SRO	1 ATC	1 BOP	2 CREW POSITION SRO	2 ATC	2 BOP	3 CREW POSITION SRO	3 ATC	3 BOP	4 (SPARE) CREW POSITION SRO	4 ATC	4 BOP	TOTAL	MINIMUM(*) R	I	U	
RO ☐ SRO-I ☐ SRO-U 1 ☒	RX														1	1	0	
	NOR			1	1										1	1	1	
	I/C			4,5	2,3,4,5										4	4	2	
	MAJ			6,7	6,7										2	2	1	
	TS				4,5										0	2	2	*
RO ☐ SRO-I ☐ SRO-U 2 ☒	RX				3			2							1	1	0	
	NOR				1			1							1	1	1	
	I/C				2,3,4,5			3,4,5,6							4	4	2	
	MAJ				6,7			8			SPARE	SPARE	SPARE		2	2	1	
	TS				4,5			3,7							0	2	2	
RO ☐ SRO-I 1 ☒ SRO-U ☐	RX		1					2							1	1	0	
	NOR							1							1	1	1	
	I/C		2,3					3,4,5,6							4	4	2	*
	MAJ		6,7					8							2	2	1	
	TS							3,7							0	2	2	*
RO ☐ SRO-I 2 ☒ SRO-U ☐	RX	1				3									1	1	0	
	NOR	1													1	1	1	
	I/C	2,3,4,5				4,5									4	4	2	*
	MAJ	6,7				6,7									2	2	1	
	TS	2,3,4													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 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: VC Summer Unit 1 Date of Exam: June 4, 2018 Operating Test No.:

APPLICANT	EVENT TYPE	Scenarios 1 CREW POSITION SRO	1 ATC	1 BOP	2 CREW POSITION SRO	2 ATC	2 BOP	3 CREW POSITION SRO	3 ATC	3 BOP	4 CREW POSITION SRO	4 ATC	4 BOP	TOTAL	MINIMUM(*) R	I	U	
RO ☐	RX	1				3									1	1	0	
SRO-I 3 ☒	NOR	1								1					1	1	1	
	I/C	2,3,4,5				4,5				3,5					4	4	2	*
SRO-U ☐	MAJ	6,7				6,7				8					2	2	1	
	TS	2,3,4													0	2	2	
RO 1 ☒	RX								2						1	1	0	*
SRO-I ☐	NOR						1								1	1	1	*
	I/C						2,3		4,6						4	4	2	*
SRO-U ☐	MAJ						6,7		8						2	2	1	
	TS														0	2	2	
RO 2 ☒	RX								2						1	1	0	*
SRO-I ☐	NOR			1											1	1	1	*
	I/C			4,5					4,6						4	4	2	*
SRO-U ☐	MAJ			6,7					8						2	2	1	
	TS														0	2	2	
RO 3 ☒	RX		1												1	1	0	*
SRO-I ☐	NOR						1			1					1	1	1	
	I/C		2,3				2,3			3,5					4	4	2	
SRO-U ☐	MAJ		6,7				6,7			8					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.

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