

Facility: GEINNADate of Examination: June 11 & 18, 2010Developed by: Written - Facility ☒ NRC ☐ // Operating - Facility ☒ NRC ☐

Target Date*	Task Description (Reference)	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a and b)	TF
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	TF
-120	3. Facility contact briefed on security and other requirements (C.2.c)	TF
-120	4. Corporate notification letter sent (C.2.d)	TF
[-90]	[5. Reference material due (C.1.e; C.3.c; Attachment 2)]	NA
{-75}	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's, ES-401-1/2, ES-401-3, and ES-401-4, as applicable (C.1.e and f; C.3.d)	TF
{-70}	{7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)}	TF
{-45}	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, and any Form ES-201-3 updates), and reference materials due (C.1.e, f, g and h; C.3.d)	TF
-30	9. Preliminary license applications (NRC Form 398's) due (C.1.i; C.2.g; ES-202)	TF
-14	10. Final license applications due and Form ES-201-4 prepared (C.1.i; C.2.i; ES-202)	TF
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	TF
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f and h; C.3.g)	TF
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	TF
-7	14. 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 4; ES-202, C.2.e; ES-204)	TF
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee (C.3.k)	TF
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	TF

\* 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.

[Applies only] {Does not apply} to examinations prepared by the NRC.

Facility: <u>GINNA</u>		Date of Examination: <u>6/21/10 - 7/2/10</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.	WJL	OH	TF
	b. Assess whether the outline was systematically and randomly prepared in accordance with Section D.1 of ES-401 and whether all K/A categories are appropriately sampled.	WJL	OH	TF
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	WJL	OH	TF
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	WJL	OH	TF
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.	WJL	OH	TF
	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.	WJL	OH	TF
	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.	WJL	OH	TF
3. W / T	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.	WJL	OH	TF
	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	WJL	OH	TF
	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.	WJL	OH	TF
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.	WJL	OH	TF
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	WJL	OH	TF
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	WJL	OH	TF
	d. Check for duplication and overlap among exam sections.	WJL	OH	TF
	e. Check the entire exam for balance of coverage.	WJL	OH	TF
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	WJL	OH	TF
a. Author <u>Gregory J. Cizin</u> b. Facility Reviewer (*) <u>DANIEL H. HUGNOT</u> c. NRC Chief Examiner (#) <u>TODD FISH</u> d. NRC Supervisor <u>Sam Hammett</u>		Printed Name/Signature Date <u>4-2-10</u> <u>4.5.10</u> <u>4/15/10</u> <u>4/16/10</u>		
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required. * Not applicable for NRC-prepared examination outlines				

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/21 + 6/28/10 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 6/21 + 6/28/10. 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. GREGORY CUBIN	EXAM AUTHOR		1-18-10		7-7-10
2. LARRY MIRELES	EXAM AUTHOR		1-18-10		7/7/10
3. P.J. Landers	FLE		1-18-10	P.J. Landers	7-6-10
4. W.R. Dobbins	Sim Support		1/19/10	W.R. Dobbins	7/6/10
5. * (Joe Arsenault)				per email	7-6-10
6. DAN HUDNUT	SUPV CONTINUING TRAINING		1/20/10	Dan Hudnut	7/6/10
7. GORDON MOSTERT	SPECIALIST SIMULATION TEST		1/20/10	Gordon Mostert	5/27/10
8. * (Jim Lloyd)				per telecom	7-12-10
9. JASON MILLER	RO		2/2/10		7/6/10
10. ROY T. GILLMAN	SRO		02/07/2010	per email	7-7-10
11. * (Bill Ward)				per email	7-6-10
12. PATRICK CATALIFE	IT		3/5/10	Patrick Catalife	7/6/10
13. * (Dave Lagarone)				per email	7-8-10
14. Ken Masler	Exam Review		3/10/10	per email	7-12-10
15. Peter S. Danone	Support		3/16/10	per email	7/6/10

NOTES:

\* Transferred from ES-601-1 per Todd Fish direction to R. Adams on 4/5/10 phone call.

Sheet 1 of 6

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/21-6/24 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 6/21-6/24/10. 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.	PHILIP SPRIDING	P.O.	<i>[Signature]</i>	3/29/10	<i>[Signature]</i>	7/6/10	
2.	JAMIE R. MILLER	MECH. MAINT. SUPERVISOR	<i>[Signature]</i>	3/25/10	per email	PJL	7-7-10
3.	MATTHEW J. CASALE	Planning Supervisor	<i>[Signature]</i>	3/25/10	per email	PJL	7-7-10
4.	Michael J. Rowell	Control Room Supervisor	<i>[Signature]</i>	3/29/10	per email	PJL	7-7-10
5.	Terry A. White	Contractor	<i>[Signature]</i>	3/29/10	per email	PJL	7-6-10
6.	S. Suttner	PO	<i>[Signature]</i>	3/29/10	per email	PJL	7-7-10
7.	Chris Singley	Rad Eng Engineering	<i>[Signature]</i>	3/30/10	per email	PJL	7-6-10
8.	BARBARA ECKL	Admin. Support	<i>[Signature]</i>	3/31/10	per email	PJL	7-7-10
9.	Craig Crandall	IT	<i>[Signature]</i>	4/1/10	per email	PJL	7-6-10
10.	Michael Schaub	IT PPCS	<i>[Signature]</i>	4/1/10	per email	PJL	7-6-10
11.	Ryan Beiling	CIRS/STA	<i>[Signature]</i>	4/1/10	per email	PJL	7-2-10
12.	Jack McGrath	Sr. Chemist	<i>[Signature]</i>	4/2/10	per email	PJL	7-6-10
13.	WAVE NEBER	REACTOR OPERATOR	<i>[Signature]</i>	4/10/10	per email	PJL	7-6-10
14.	Ken Haws	SR. REACTOR OPERATOR	<i>[Signature]</i>	4/7/10	per email	PJL	7-13-10
15.	JAMES WHITE	REACTOR OPERATOR	<i>[Signature]</i>	4/18/10	per email	PJL	7-10-10

NOTES:

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 4/21 + 4/28/10 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 4/21 + 4/28/10. 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 White	RO		4/13/10	per email	RTL	7-6-10
2. Bret Hoefen	SRO		4/13/10	per email	RTL	7-6-10
3. BRIAN STANFIELD	PDU		4/24/10	per email	RTL	7-6-10
4. Thomas Hooper Jr.	Fleet Exam Reviewer		4/29/10	per email	RTL	7-6-10
5. Neil Brehse	EP		4/29/10	per email	RTL	7-6-10
6. Ken Fellows	SM/SRO		5/3/10	per email	RTL	7-7-10
7. John Zimmerman	RU		5/3/10			7/6/10
8. Peter Polleit	EP		5/5/10			7/6/10
9. KEN CONNOR	REACTOR ENGINEER		5/6/10	per email	RTL	7-8-10
10. DAN DEAN	SRO/SM		5/24/10			7/2/10
11. ERIC L. MATE	RO		5/24/10			7/2/10
12. BETH BRISAN	SRO		5-25-10			7/2/10
13. BOB BRYAN	SLI		5/25/10			7/6/10
14. LOUISA LYBIO	RP DESK		5-25-10	per email	RTL	7-7-10
15. Brandon Wild	SRO		6-10-10	per email	RTL	7-8-10

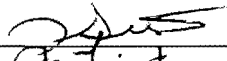

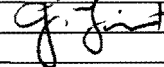
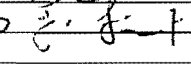
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1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/21 + 22 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 6/21 + 6/28/10. 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.	Terry Giese	SR. Ops. Instr.		7/22/10		6/28/10	
2.	Don West	CRS/SRO		6/22/10		6/25/10	
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Sheet 4 of 6

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 6/21 + 6/28/10 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 6/21 + 6/28/10. 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. Mark Coleman	SFI	<i>Mark Coleman</i>	6/16/2010	<i>Mark Coleman</i>	6/28/10	
2. Julie Bulender	Sr. Admin Assistant	<i>Julie Bulender</i>	6/17/2010	<i>Julie Bulender</i>	7/7/10	
3. Robert Adams	SOIT	<i>Robert Adams</i>	6/21/10	<i>Robert Adams</i>	7/6/10	
4. Am. Sciozzari	STA	<i>Am. Sciozzari</i>	6/22/10	<i>Am. Sciozzari</i>	6/24/10	
5. Henry McLaughlin	GS OPS Shift	<i>Henry McLaughlin</i>	6/22/10	per email	7-12-10	
6. Norm Meaker	SLE	<i>Norm Meaker</i>	6/23/10	<i>Julie Bulender</i>	6/29/10	
7. J. Sullivan	OM	<i>J. Sullivan</i>	6/24/10	per email	7-6-10	
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Sheet 5 of 6

**1. Pre-Examination**

I acknowledge that I have acquired specialized knowledge about the NRC requalification examinations scheduled for the week(s) of 6/21 + 6/28/10 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 operators scheduled to be administered these 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 requalification examinations administered during the week(s) of 6/21 + 6/28/10. 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 operators who were administered these examinations, except as specifically noted below and authorized by the NRC.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE
1.	Jacqueline Schelkly	Adm Asst	<i>Jacqueline Schelkly</i>	3/7/10	per email RSL	7-8-10
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Sheet 6 of 6



1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC requalification examinations scheduled for the week(s) of 21 JUNE 2010 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 operators scheduled to be administered these 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 requalification examinations administered during the week(s) of 4/26 + 4/28/10. 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 operators who were administered these examinations, except as specifically noted below and authorized by the NRC.

PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE
1. GREG CIZON	EXAM Author	<i>[Signature]</i>	1/18/10	<i>[Signature]</i>	6-7-10
2. LARRY MIRELES	EXAM Author	<i>[Signature]</i>	1/18/10	<i>[Signature]</i>	7/7/10
3. P.J. LANDERS	FLE	<i>[Signature]</i>	1-18-10	<i>[Signature]</i>	7-6-10
4. William Dobbing	Simulator Support	<i>[Signature]</i>	1/18/10	<i>[Signature]</i>	7/6/10
* 5. JOSEPH ARSENAULT	CONSULTANT-DEVELOPER	<i>[Signature]</i>	1/12/10	per email PSL	7-6-10
6. DAN HUDNUT	SUPV SIM CONTINUING TRNG	<i>[Signature]</i>	1/20/10	<i>[Signature]</i>	7/6/10
7. GORDON MOSTERT	SPECIALIST SIMULATED TEST	<i>[Signature]</i>	1/20/10	<i>[Signature]</i>	5/3-7/10
* 8. JENNIFER K. LLOYD	Developer	<i>[Signature]</i>	1/25/10	per telecom PSL	7-12-10
9. SASHA MILLER	RO	<i>[Signature]</i>	2/16/10	<i>[Signature]</i>	7/6/10
10. BOB J. GILLON	SM	<i>[Signature]</i>	02/07/2010	per email PSL	7-7-10
* 11. William J Word	OTPS - Exam	<i>[Signature]</i>	2/3/10	per email PSL	7-6-10
12. PAT LATULIPE	IT	<i>[Signature]</i>	3/5/10	<i>[Signature]</i>	7/6/10
* 13. DAVE LAZARONI	EXAM Developer	<i>[Signature]</i>	3/6/10	per email PSL	7-9-10
14. Ken Maske	Exam Reviewer	<i>[Signature]</i>	3/10/10	per email PSL	7-12-10
15. Peter Stepanovic	Support	<i>[Signature]</i>	3/16/2010	<i>[Signature]</i>	7/6/10

NOTES: This is the LCR procedural form. Signatures duplicated on ES-201-3 forms. PSL

\* Transferred to ES-201-3 per Todd Fish direction to R. Adams on 4/5/10 phone call. PSL

**1. Pre-Examination**

I acknowledge that I have acquired specialized knowledge about the NRC requalification examinations scheduled for the week(s) of 21 Jun 10 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 operators scheduled to be administered these 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 requalification examinations administered during the week(s) of 6/21 - 6/24/10. 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 operators who were administered these examinations, except as specifically noted below and authorized by the NRC.

	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE
1.	PHILIP SPALDING	P.O.	<i>[Signature]</i>	3/22/10	<i>[Signature]</i>	7/6/10
2.	JAMIE R. MULLER	MECH MAINT SUPERVISOR	<i>[Signature]</i>	3/25/10	per email	RJL 7-7-10
3.	MATTHEW J. CASTLE	Planning Supervisor	<i>[Signature]</i>	3/24/10	per email	RJL 7-7-10
4.	MICHAEL J. ROUNSELL	Control Room Supervisor	<i>[Signature]</i>	3/29/10	per email	RJL 7-7-10
5.	Terry A. White	Contractor	<i>[Signature]</i>	3/29/10	per email	RJL 7-6-10
6.	BOB SCHMALL	Boiler Room	<i>[Signature]</i>	3/29/10	per email	RJL 7-7-10
7.	Christian Simley	Lead Engineering	<i>[Signature]</i>	3-30-10	per email	RJL 7-6-10
8.	BARBARA ECKE	Admin Support	<i>[Signature]</i>	3-31-10	per email	RJL 7-7-10
9.	Craig Crandall	ITPPCS Training	<i>[Signature]</i>	4/1/10	per email	RJL 7-6-10
10.	Michael Schauli	ITPPCS	<i>[Signature]</i>	4/1/10	per email	RJL 7-6-10
11.	Ryan Beiling	SA / CDS	<i>[Signature]</i>	4-1-10	Signed Sheet 2	RJL 7-2-10
12.	Jack McGrath	Sr. Chemist	<i>[Signature]</i>	4/2/10	per email	RJL 7-6-10
13.						
14.						
15.						

NOTES:

Facility: <u>GINNA</u>		Date of Examination: <u>6/21/10</u> - Operating Test Number: <u>1</u>		
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).	LT	RB	TF
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	LT	RB	TF
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	LT	RB	TF
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	LT	RB	TF
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	LT	RB	TF
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>	LT	RB	TF
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.	LT	RB	TF
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.		LT	RB	TF
Printed Name / Signature		Date		
a. Author	<u>Gregory Cizin</u>	<u>6/8/10</u>		
b. Facility Reviewer(*)	<u>Ray I. Galloway</u> / <u>Ray V. Galloway</u>	<u>06/08/2010</u>		
c. NRC Chief Examiner (#)	<u>Todd Fisher</u> / <u>Robert Fisher</u>	<u>6/9/10</u>		
d. NRC Supervisor	<u>Sam Hansell</u> / <u>SE</u>	<u>6/14/10</u>		
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

6/24/10 - 6/25/10

Facility: <u>CLHNA</u>		Date of Exam: <u>^</u>		Scenario Numbers: <u>1124</u>		Operating Test No.: <u>1</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.	WJL	TS	TF			
2.	The scenarios consist mostly of related events.	WJL	TS	TF			
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) 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>	WJL	TS	TF			
4.	No more than one non-mechanistic failure (e.g., pipe break) is incorporated into the scenario without a credible preceding incident such as a seismic event.	WJL	TS	TF			
5.	The events are valid with regard to physics and thermodynamics.	WJL	TS	TF			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	WJL	TS	TF			
7.	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.	WJL	TS	TF			
8.	The simulator modeling is not altered.	WJL	TS	TF			
9.	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.	WJL	TS	TF			
10.	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.	WJL	TS	TF			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	WJL	TS	TF			
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).	WJL	TS	TF			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	WJL	TS	TF			
Target Quantitative Attributes (Per Scenario; See Section D.5.d)		Actual Attributes			-	-	
1.	Total malfunctions (5-8)	8	7	9	WJL	TS	TF
2.	Malfunctions after EOP entry (1-2)	3	1	3	WJL	TS	TF
3.	Abnormal events (2-4)	3	2	4	WJL	TS	TF
4.	Major transients (1-2)	1	1	1	WJL	TS	TF
5.	EOPs entered/requiring substantive actions (1-2)	1	1	1	WJL	TS	TF
6.	EOP contingencies requiring substantive actions (0-2)	1	0	1	WJL	TS	TF
7.	Critical tasks (2-3)	2	3	2	WJL	TS	TF

Facility:		Ginna		Date of Exam:		6/21/10		Operating Test No.:		N10-1							
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 (*)		
		N10-1-1			N10-1-2			N10-1-3			N10-1-4						
		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
SROU-1	RX													0	1	1	0
	NOR												1	1	1	1	1
	I/C				1,2, 3,4, 5								4,5, 7	8	4	4	2
	MAJ				6								6	2	2	2	1
	TS				1,5									2	0	2	2
SROU-2	RX													0	1	1	0
	NOR	1					1							2	1	1	1
	I/C	2,3, 4					4,5							5	4	4	2
	MAJ	5					6							2	2	2	1
	TS	2,3												2	0	2	2
SROU-3	RX													0	1	1	0
	NOR	1											1	2	1	1	1
	I/C	2,3, 4											4,5, 7	6	4	4	2
	MAJ	5											6	2	2	2	1
	TS	2,3												2	0	2	2
SROU-4	RX													0	1	1	0
	NOR	1					1							2	1	1	1
	I/C	2,3, 4					4,5							5	4	4	2
	MAJ	5					6							2	2	2	1
	TS	2,3												2	0	2	2

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must service in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs 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 Instant SRO *additionally* serves in the BOP position, one I/C malfunction can be credited toward the two I/C malfunctions required for the ATC position.
- Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.5.d) but must be significant per Section C.2.a of Appendix D. (\*) Reactivity and normal evolutions may be replaced with additional instrument or component malfunctions on a 1-for-1 basis.
- Whenever practical, both instrument and component malfunctions should be included; only those that require verifiable actions that provide insight to the applicant's competence count toward the minimum requirements specified for the applicant's license level in the right-hand columns.

Facility:		Ginna		Date of Exam:		6/21/10		Operating Test No.:		N10-1							
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 (*)		
		N10-1-1			N10-1-2			N10-1-3			N10-1-4						
		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
SROI-1	RX					5								1	1	1	0
	NOR													0	1	1	1
	I/C					2,3, 7						1,2, 3,4, 5		8	4	4	2
	MAJ					6						6		2	2	2	1
	TS											2,3		2	0	2	2
SROI-2	RX		4											1	1	1	0
	NOR													0	1	1	1
	I/C		2,3, 8			1,2, 3,4, 5								8	4	4	2
	MAJ		5			6								2	2	2	1
	TS					1,5								2	0	2	2
SROI-3	RX		4											1	1	1	0
	NOR													0	1	1	1
	I/C		2,3, 8									1,2, 3,4, 5		8	4	4	2
	MAJ		5									6		2	2	2	1
	TS											2,3		2	0	2	2
SROI-4	RX		4										4	2	1	1	0
	NOR													0	1	1	1
	I/C		2,3, 8			1,2, 3,4, 5							2,3	10	4	4	2
	MAJ		5			6						6		3	2	2	1
	TS					1,5								2	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 service in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs 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 Instant SRO *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 1-for-1 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.

Facility:		Ginna		Date of Exam:		6/21/10		Operating Test No.:		N10-1							
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 (*)		
		N10-1-1			N10-1-2			N10-1-3			N10-1-4						
		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
SROI-5	RX					5								1	1	1	0
	NOR			1										1	1	1	1
	I/C			2,3, 4,6, 7		2,3, 7						1,2, 3,4, 5		13	4	4	2
	MAJ			5		6						6		3	2	2	1
	TS											2,3		2	0	2	2
RO-1	RX											4		1	1	1	0
	NOR					1								1	1	1	1
	I/C						4,5					2,3		4	4	4	2
	MAJ						6					6		2	2	2	1
	TS													0	0	2	2
RO-2	RX					5								1	1	1	0
	NOR			1									1	2	1	1	1
	I/C			2,3, 4,6, 7		2,3, 7						4,5, 7		11	4	4	2
	MAJ			5		6						6		3	2	2	1
	TS													0	0	2	2
RO-3	RX											4		1	1	1	0
	NOR			1										1	1	1	1
	I/C			2,3, 4,6, 7								2,3		7	4	4	2
	MAJ			5								6		2	2	2	1
	TS													0	0	2	2

Instructions:

- Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must service in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs 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 Instant SRO *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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Facility: Ginna	Date of Examination: 6/21/10	Operating Test No.: N10-1										
Competencies	APPLICANTS											
	SRO (U/I)				RO/ATC				BOP			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/Diagnose Events and Conditions	2-8	1-7	1-8	1-7	2,3,4 5,6,8	2,3,5 6,7	1,3,5, 6,7,8	2,3,4 6,7	2,4,5 6,7,8	1,4,5 6	1,2,4 6,7	1,4,5 6,7
Comply With and Use Procedures (1)	1-8	1-7	1-8	1-7	2,3,4 5,6,8	2,3,5 6,7	1,3,5, 6,7,8	2,3,4 6,7	2,3,4 5,6, 7,8	1,4,5 6	1,2,4 6,7	1,4,5 6,7
Operate Control Boards (2)	NA	NA	NA	NA	2,3,4 5,6,8	2,3,5 6,7	1,3,5, 6,7,8	2,3,4 6,7	2,3,4 5,6, 7,8	1,4,5 6	1,2,4 6,7	1,4,5 6,7
Communicate and Interact	1-8	1-7	1-8	1-7	1-8	1-7	1-8	1-7	1-8	1-7	1-8	1-7
Demonstrate Supervisory Ability (3)	1-8	1-7	1-8	1-7	NA	NA	NA	NA	NA	NA	NA	NA
Comply With and Use Tech. Specs. (3)	2,3	1,5	3,5	2,3	NA	NA	NA	NA	NA	NA	NA	NA
Notes: (1) Includes Technical Specification compliance for RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.												

*Instructions:*

*Circle the applicants' license type and enter one or more event numbers that will allow the examiners to evaluate every applicable competency for every applicant.*



Facility: <b>R.E. GINNA</b>		Date of Exam: <b>6/21/2010</b>		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.			WR	RB	TF																																				
2.	a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.			WR	RB	TF																																				
3.	SRO questions are appropriate in accordance with Section D.2.d of ES-401			WR	RB	TF																																				
4.	The sampling process was random and systematic (If more than 4 RO or 2 SRO questions were repeated from the last 2 NRC licensing exams, consult the NRR OL program office).			WR	RB	TF																																				
5.	Question duplication from the license 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 <input type="checkbox"/> the audit exam was completed before the license exam was started; or <input type="checkbox"/> the examinations were developed independently; or <input type="checkbox"/> the licensee certifies that there is no duplication; or <input type="checkbox"/> other (explain)			WR	RB	TF																																				
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	WR	RB	TF																																			
		26 / 9	7 / 3	42 / 13																																						
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		WR	RB	TF																																			
		35 / 6	40 / 14																																							
8.	References/handouts provided do not give away answers or aid in the elimination of distractors.			WR	RB	TF																																				
9.	Question content conforms with specific K/A statements in the previously approved examination outline and is appropriate for the tier to which they are assigned; deviations are justified.			WR	RB	TF																																				
10.	Question psychometric quality and format meet the guidelines in ES Appendix B.			WR	RB	TF																																				
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.			WR	RB	TF																																				
<table border="0"> <tr> <td></td> <td colspan="4">Printed Name / Signature</td> <td colspan="2">Date</td> </tr> <tr> <td>a. Author</td> <td colspan="4"><u>Gregory J. Ginn</u></td> <td colspan="2"><u>6-10-10</u></td> </tr> <tr> <td>b. Facility Reviewer (*)</td> <td colspan="4"><u>Tom J. Galloway</u></td> <td colspan="2"><u>06/10/10</u></td> </tr> <tr> <td>c. NRC Chief Examiner (#)</td> <td colspan="4"><u>TOPP FISH</u></td> <td colspan="2"><u>6/9/10</u></td> </tr> <tr> <td>d. NRC Regional Supervisor</td> <td colspan="4"><u>Sam Marshall</u></td> <td colspan="2"><u>6/14/10</u></td> </tr> </table>									Printed Name / Signature				Date		a. Author	<u>Gregory J. Ginn</u>				<u>6-10-10</u>		b. Facility Reviewer (*)	<u>Tom J. Galloway</u>				<u>06/10/10</u>		c. NRC Chief Examiner (#)	<u>TOPP FISH</u>				<u>6/9/10</u>		d. NRC Regional Supervisor	<u>Sam Marshall</u>				<u>6/14/10</u>	
	Printed Name / Signature				Date																																					
a. Author	<u>Gregory J. Ginn</u>				<u>6-10-10</u>																																					
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Note: * The facility reviewer's initials/signature are not applicable for NRC-developed examinations. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.																																										

Facility: <u>R.E. GINNA</u>		Date of Exam: <u>7/1/10</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>UTC</u>	<u>DS</u>	<u>TF</u>		
2. Answer key changes and question deletions justified and documented	<u>UTC</u>	<u>DS</u>	<u>TF</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>UTC</u>	<u>DS</u>	<u>TF</u> <u>RA</u>		
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	<u>UTC</u>	<u>DS</u>	<u>TF</u> <u>RA</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>UTC</u>	<u>DS</u>	<u>TF</u> <u>RA</u>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>UTC</u>	<u>DS</u>	<u>TF</u>		
Printed Name/Signature		Date			
a. Grader	<u>GREGORY GINNA</u>	<u>7/12/10</u>			
b. Facility Reviewer(*)	<u>Robert W. Adams</u>	<u>7/13/10</u>			
c. NRC Chief Examiner (*)	<u>Peter Presley</u> <u>TONN FISCH</u>	<u>7/22/10</u> <u>7/22/10</u>			
d. NRC Supervisor (*)	<u>Sam Hansell</u>	<u>8/4/10</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

Facility: <u>R.E. GINNA</u>		Date of Exam: <u>7/1/10</u>		Exam Level: RO <input type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<u>NR</u>	<u>NR</u>	<u>TF</u>		
2. Answer key changes and question deletions justified and documented	<u>NR</u>	<u>NR</u>	<u>TF</u>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<u>NR</u>	<u>NR</u>	<u>TF</u> <u>R</u>		
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	<u>NR</u>	<u>NR</u>	<u>TF</u> <u>R</u>		
5. All other failing examinations checked to ensure that grades are justified	<u>NR</u>	<u>NR</u>	<u>TF</u> <u>R</u>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<u>NR</u>	<u>NR</u>	<u>TF</u>		
Printed Name/Signature		Date			
a. Grader	<u>GREGORY GUN</u>	<u>7/12/10</u>			
b. Facility Reviewer(*)	<u>Robert W Adams</u>	<u>7/13/10</u>			
c. NRC Chief Examiner (*)	<u>Peter Presby</u>	<u>7/27/10</u>			
d. NRC Supervisor (*)	<u>Sam Hansell</u>	<u>8/4/10</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					