

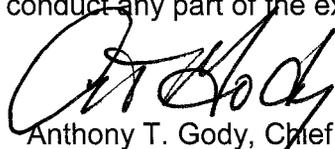
April 18, 2006

NOTE TO: ~~James Drake~~ **Thomas Stetka**
Chief Examiner, Operations Branch

FROM: Anthony T. Gody, Chief
Operations Branch
Division of Reactor Safety

SUBJECT: EXAMINATION ASSIGNMENT

You have been assigned as Chief of the Waterford 3 Steam Electric Station examination. The operating test has been scheduled to be completed by November 17, 2006. Thank you for contacting the Waterford Steam Electric Station facility to finalize the details of the examination. You are reminded that the RPS/IP system must be maintained to ensure that the examiners and numbers of candidates are accurate. In addition, you are reminded that only qualified examiners are permitted to conduct any part of the examination.



Anthony T. Gody, Chief
Operations Branch
Division of Reactor Safety

Thomas Stokkaf

CHIEF:	James Drake	FACILITY:	Waterford 3 Steam Electric Station	DATE of OPERATING EXAM:	11/13/2006
Due Date	Description	Date Complete	Initials	Notes	
5/17/06	Exam Administration Date Confirmed (C.1.a; C.2.a & b)	4/19/06	JD		
7/16/06	NRC Staff & Facility Contact Assigned (C.1.d; C.2.e)	5/11/06	JD		
7/16/06	Facility Contact Briefed on Security & Other Req's (C.2.c)	5/2/06	JD		
7/16/06	Corporate Notification Letter (ES-201 Att-3) Sent (C.2.d)	5/2/06	JD	produced by Chief Examiner	
8/15/06	Reference Material Due (if NRC authored) (C.1.e; C.3.c)	N/A			
8/30/06	Integrated Exam Outlines Due (C.1.e & f; C.3.d)	8/15/06	JD		
9/4/06	Outlines Review & NRC Feedback Provided (c.2.h; C.3.e)	8/15/06	JD		
9/29/06	Draft Exams w/References Due (C.1.e,f,g,h; C.3.d)	9/11/06	VFS	requested 9/11	
10/14/06	*Peer Reviewer Completes Review of Exam on ES-401-9	10/6/06	VFS		
10/14/06	*NRC BC Approves Feedback to Facility (C.2.h; C.3.f)	10/12/06	VFS		
10/14/06	*Exams Reviewed w/ Fac. (C.1.h;C.2.f & h; C.3.g)	10/19/06	VFS		
10/14/06	Preliminary Applications Due (C.1.i;C.2.g; ES-202)	10/24/06	VFS		
10/19/06	Preliminary Applications Reviewed (C.1.i;C.2.g)	10/25/06	VFS		
10/30/06	Final Applications Due (C.1.i;C.2.i;ES-202)	10/30/06	VFS		
10/30/06	On-Site Preparatory Week to Validate Operating Exam	10/16/06	VFS	requested 16 OCT	
10/30/06	On-Site Audit (10%) of License App's (ES-202 C.2.e)	10/18/06	VFS		
11/6/06	Final Appl. OK'ed & Waiver Letters Sent (ES-204; C.2.e)	10/31/06	VFS		
11/6/06	NRC Supervisor Approved Final Exams (C.2.i;C.3.h)	11/0/06	neu		
11/6/06	Exam Approval Letter (ES-201 Att-4) and List of Applicants (ES-201-4) Prepared (C.2.i)	10/31/06	VFS	produced by OLA	
11/6/06	Proctor Rules Review w/Fac. & Written Authorized (C.3.k)	11/7/06	VFS	10 NOV admin written Exam	
11/6/06	Exam Material to Exam Team (C.3.i)	11/1/06	VFS		
11/13/06	Administer Operating Exam On-Site	11/16/06	VFS		
11/25/06	Facility Graded Exam & Comments Received	11/22/06	VFS		
11/28/06	NRC Written Exam Grading Completed	11/27/06	VFS		
11/28/06	Examiners Document Exam Grades on ES Forms	12/4/06	VFS		
12/8/06	NRC Chief Examiner Grading Review Completed	12/7/06	VFS		
12/9/06	NRC BC Review Completed	12/4/06	VFS		
12/13/06	License/Denials Signed & Report Issued	12/29/06	VFS		
12/13/06	RPS/IP Number of Examinees Updated	01/08/06	VFS	print Report-21	
12/28/06	Examination Report Issued	12/29/06	VFS	produced by Chief Examiner	
1/4/07	Package Closed Out	02/21/07	VFS		
1/4/07	Chief QA of ADAMS and SISF review complete	TBC by 2/23/07			

* Indicates the due dates are more conservative than the ES-201-1 requires.

Facility:		Date of Examination:			
Item	Task Description	Initials			
		a	b*	c#	
W R I T T E N	a. Verify that the outline(s) fit(s) the appropriate model, in accordance with ES-401.	KV	A	D	
	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.	KV	A	D	
	c. Assess whether the outline over-emphasizes any systems, evolutions, or generic topics.	KV	A	D	
	d. Assess whether the justifications for deselected or rejected K/A statements are appropriate.	KV	A	D	
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.	KV	A	D	
	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.	KV	A	D	
	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.	KV	A	D	
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.	KV	A	D	
	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	KV	A	D	
	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.	KV	A	D	
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.	KV	A	D	
	b. Assess whether the 10 CFR 55.41/43 and 55.45 sampling is appropriate.	KV	A	D	
	c. Ensure that K/A importance ratings (except for plant-specific priorities) are at least 2.5.	KV	A	D	
	d. Check for duplication and overlap among exam sections.	KV	A	D	
	e. Check the entire exam for balance of coverage.	KV	A	D	
	f. Assess whether the exam fits the appropriate job level (RO or SRO).	KV	A	D	
a. Author	<u>Keith Vines</u>	Printed Name/Signature	<u>Keith Vines</u>	Date	<u>8/2/06</u>
b. Facility Reviewer (*)	<u>ARVEL HALL</u>		<u>Arvel Hall</u>		<u>8/2/06</u>
c. NRC Chief Examiner (#)	<u>Jim DRAKE</u>		<u>Jim Drake</u>		<u>8/22/06</u>
d. NRC Supervisor	<u>Vincent Gaddy</u>		<u>Vincent Gaddy</u>		<u>8/24/06</u>
Note: # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.					

Facility: Waterford 3		Date of Exam: 11/10/2006		Exam Level: <input checked="" type="checkbox"/> RO <input checked="" type="checkbox"/> SRO		
Item Description				Initial		
				a	b	c [#]
1. Questions and answers technically accurate and applicable to the facility				KV	A	Ø
2. a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available				KV	A	Ø
3. SRO questions are appropriate per section D.2.d of ES-401				KV	A	Ø
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.)						Ø
5. Question duplication from the license screening /audit exam was controlled as Indicated below (check the item that applies) and appears appropriate -- the audit exam was systematically and randomly developed; or -- the audit exam was completed before the license exam was started; or -- the examinations were developed independently; or -- the license certifies the there is no duplication; or -- other (explain)				KV	A	Ø
6. Bank use meets limits (no more than 75 percent from bank at least 10 percent new, and the rest modified); enter the actual RO/SRO- only question distribution(s) at right	Bank	Modified	New	KV	A	Ø
	43 33 20 / 7	4 7 / 6	38 / 18			
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		KV	A	Ø
	36 / 10 32 / 5	39 / 15 43 / 20				
8. References/ handouts provided do not give away answers or aid in the elimination of distractors				KV	A	Ø
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				KV	A	Ø
10. Question psychometric quality and format meets ES, Appendix B, guidelines				KV	A	Ø
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet				KV	A	Ø
Printed Name / Signature				Date		
a. Author	KEITH VINES <i>Keith Vines</i>			9/16/06 **		
b. Facility Reviewer (*)	ARVER HALL <i>Arver Hall</i>			9/16/06 **		
c. NRC Chief Examiner (#)	Thomas F. Stetka <i>Thomas F. Stetka</i>			11/2/06		
d. NRC Regional Supervisor	Rebecca L. Nease <i>Rebecca L. Nease</i>			11/10/06		
				11/9/06 <i>nlc</i>		
Note: * The Facility reviewer' initials/signature are not applicable for NRC-developed examinations # Independent NRC reviewer initial items in column "c," chief examiner concurrence required						

Facility:	Date of Examination:	Operating Test Number:		
1. General Criteria		Initials		
		a	b*	c#
a.	The operating test conforms with the previously approved outline; changes are consistent with sampling requirements (e.g., 10 CFR 55.45, operational importance, safety function distribution).	KV	A	W
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	KV	A	mg
c.	The operating test shall not duplicate items from the applicants' audit test(s). (see Section D.1.a.)	KV	A	Smb*
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	KV	A	mg
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	KV	A	mg
2. Walk-Through Criteria		--	--	--
a.	Each JPM includes the following, as applicable: <ul style="list-style-type: none"> • 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: <ul style="list-style-type: none"> - 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 	KV	A	Smb
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.	KV	A	Smb
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.		KV	A	Smb
Printed Name / Signature		Date		
a.	Author <u>KEITH VINES</u> <i>[Signature]</i>	<u>9/16/06</u>		
b.	Facility Reviewer(*) <u>ARUEC HALL</u> <i>[Signature]</i>	<u>9/16/06</u>		
c.	NRC Chief Examiner (#) <u>Thomas F. Stettin</u> <i>[Signature]</i>	<u>11/2/06</u>		
d.	NRC Supervisor <u>Rebecca L. Nease</u> <i>[Signature]</i>	<u>11/9/06</u>		
NOTE: * The facility signature is not applicable for NRC-developed tests. # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence required.				

* APPLICANT 100% AUDIT NOT COMPLETE AT THIS TIME. THERE WILL BE NO DUPLICATE ITEMS FROM THE APPLICANTS AUDIT TEST. A KV

Facility: Waterford 3		Date of Exam: 11/13/2006		Scenario Numbers: 1 / 2 / 3		Operating Test No. 1		
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.	KV	A	JBS				
2.	The scenarios consist mostly of related events.	KV	A	JBS				
3.	Each event description consists of + the point in the scenario when it is to be initiated + the malfunction(s) 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)	KV	A	JBS				
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.	KV	A	JBS				
5.	The events are valid with regard to physics and thermodynamics.	KV	A	JBS				
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	KV	A	JBS				
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.	KV	A	JBS				
8.	The simulator modeling is not altered.	KV	A	JBS				
9.	The scenarios have been validated. Pursuant to 10CFR 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.	KV	A	JBS				
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.	KV	A	JBS				
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	KV	A	JBS				
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).	KV	A	JBS				
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	KV	A	JBS				
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.5.D)		Actual Attributes						
		1	2	3				
1.	Total malfunctions (5-8)	7	/ 6	/ 6	KV	A	JBS	
2.	Malfunctions after EOP entry (1-2)	2	/ 2	/ 2	KV	A	JBS	
3.	Abnormal events (2-4)	2	/ 3	/ 2	KV	A	JBS	
4.	Major transients (1-2)	1	/ 1	/ 1	KV	A	JBS	
5.	EOPs entered/requiring substantive actions (1-2)	2	/ 1	/ 1	KV	A	JBS	
6.	EOP contingencies requiring substantive actions (0-2)	1	/ 0	/ 0	KV	A	JBS	
7.	Critical tasks (2-3)	2	/ 3	/ 3	KV	A	JBS	

Facility: Waterford 3		Date of Exam: 11/13/2006										Operating Test No.: 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 (*)		
		1			2			3			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		
RO <input checked="" type="checkbox"/>	RX		1										1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR												0	1	1	1	
SRO-U <input type="checkbox"/>	I/C		3/5/6					1/4/6					6	4	4	2	
SRO-U <input type="checkbox"/>	MAJ		7					5					2	2	2	1	
	TS												0	0	2	2	
RO <input checked="" type="checkbox"/>	RX					1							1	1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR			1									1	1	1	1	
SRO-U <input type="checkbox"/>	I/C			2/7/7		3/7							5	4	4	2	
SRO-U <input type="checkbox"/>	MAJ			7		5							2	2	2	1	
	TS												0	0	2	2	
RO <input type="checkbox"/>	RX													1	1	0	
SRO-I <input type="checkbox"/>	NOR													1	1	1	
SRO-U <input type="checkbox"/>	I/C													4	4	2	
SRO-U <input checked="" type="checkbox"/>	MAJ													2	2	1	
	TS													0	2	2	
RO <input type="checkbox"/>	RX													1	1	0	
SRO-I <input type="checkbox"/>	NOR													1	1	1	
SRO-U <input type="checkbox"/>	I/C													4	4	2	
SRO-U <input type="checkbox"/>	MAJ													2	2	1	
	TS													0	2	2	

Instructions:

- 1) Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in 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: Waterford 3			Date of Exam: 11/13/2006									Operating Test No.: 1						
A P P L I C A N T	E V E N T T Y P E	Scenarios												M I N I M U M (*)				
		1			2			3			4						T O T A L	R
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input checked="" type="checkbox"/>	RX														1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
	TS														0	2	2	
RO <input checked="" type="checkbox"/>	RX														1	1	0	
SRO-I <input checked="" type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
	TS														0	2	2	
RO <input type="checkbox"/>	RX														0	1	1	0
SRO-I <input type="checkbox"/>	NOR	1													1	1	1	
SRO-U <input type="checkbox"/>	I/C	2/3/4 5/7			1/2/4										8	4	4	2
SRO-U <input checked="" type="checkbox"/>	MAJ	7			5										2	2	2	1
	TS	2/3			1/2										4	0	2	2
RO <input type="checkbox"/>	RX														1	1	0	
SRO-I <input type="checkbox"/>	NOR														1	1	1	
SRO-U <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
	TS														0	2	2	

Instructions:

- 1) Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in the ATC position.
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Facility: Waterford 3			Date of Exam: 11/13/2006									Operating Test No.: 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 (*)		
		1			2			3			4						
		C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N			C R E W P O S I T I O N						
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P				
												R	I	U			
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U	RX																
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX													0	1	1	0
	NOR	1												1	1	1	1
	I/C	2/3/4 5/7												5	4	4	2
	MAJ	7												1	2	2	1
	TS	2/3												2	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U	RX														1	1	0
	NOR														1	1	1
	I/C														4	4	2
	MAJ														2	2	1
	TS														0	2	2

Instructions:

- 1) Check the applicant level and enter the operating test number and Form ES-D-1 event numbers for each event type; TS are not applicable for RO applicants. ROs must serve in both the "at-the-controls (ATC)" and "balance-of-plant (BOP)" positions; Instant SROs must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in 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: Waterford 3		Date of Exam: 11/13/2006											Operating Test No.: 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 (*)			
		1			2			3			4				R	I	U	
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION							
		S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P	S R O	A T C	B O P					
RO <input checked="" type="checkbox"/>	RX														1	1	0	
<input checked="" type="checkbox"/>	NOR														1	1	1	
SRO-I <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
<input type="checkbox"/>	TS														0	2	2	
RO <input checked="" type="checkbox"/>	RX														1	1	0	
<input checked="" type="checkbox"/>	NOR														1	1	1	
SRO-I <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
<input type="checkbox"/>	TS														0	2	2	
RO <input type="checkbox"/>	RX														0	1	1	0
<input type="checkbox"/>	NOR														0	1	1	1
SRO-I <input type="checkbox"/>	I/C				1/2/4										3	4	4	2
SRO-U <input type="checkbox"/>	MAJ				5										1	2	2	1
<input checked="" type="checkbox"/>	TS				1/2										2	0	2	2
RO <input type="checkbox"/>	RX														1	1	0	
<input type="checkbox"/>	NOR														1	1	1	
SRO-I <input type="checkbox"/>	I/C														4	4	2	
SRO-U <input type="checkbox"/>	MAJ														2	2	1	
<input type="checkbox"/>	TS														0	2	2	

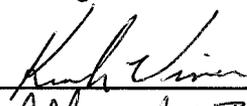
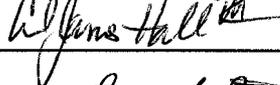
Instructions:

- 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 must do one scenario, including at least two instrument or component (I/C) malfunctions and one major transient, in 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: Waterford 3		Date of Examination: 11/13/2006			Operating Test No: 1				
Competencies	APPLICANTS								
	<input checked="" type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U			<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input checked="" type="checkbox"/> SRO-U			<input type="checkbox"/> RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U		
	SCENARIO			SCENARIO			SCENARIO		
	1	2	3	1	2	3	1	2	3
Interpret / Diagnose Events and Conditions	2/3/4/5/6/7	1/2/3/4/5/6/7	1/2/3/4/5/6/7	2/3/4/5/6/7	1/2/3/4/5/6/7	1/2/3/4/5/6/7			
Comply With and Use Procedures (1)	1/2/3/4/6/7	1/2/3/4/5/6/7	1/2/3/4/5/6/7	1/2/3/4/6/7	1/2/3/4/5/6/7	1/2/3/4/5/6/7			
Operate Control Boards (2)	1/2/3/4/5/6/7	1/3/4/5/6/7	1/2/3/4/5/6/7						
Communicate and Interact	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	1/2/3/4/5/6/7			
Demonstrate Supervisory Ability (3)				1/2/3/4/6/7	1/2/3/4/5/6/7	1/2/3/4/5/6/7			
Comply With and Use Tech. Specs. (3)				2/3	1/2	1/3			
Notes: (1) Includes Technical Specification compliance for an RO. (2) Optional for an SRO-U. (3) Only applicable to SROs.									

Instructions:

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

Facility: <u>WATERFORD 3</u>		Date of Exam: <u>11/10/2006</u>		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	KV	AJ	VFS		
2. Answer key changes and question deletions justified and documented	KV	AJ	VFS		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	KV	AJ	VFS		
4. Grading for all borderline cases (80 ±2% overall and 70 or 80, as applicable, ±4% on the SRO-only) reviewed in detail	KV	AJ	VFS		
5. All other failing examinations checked to ensure that grades are justified	KV	AJ	VFS		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	KV	AJ	VFS		
Printed Name/Signature		Date			
a. Grader	<u>Keith Vines</u> 			<u>11/22/2006</u>	
b. Facility Reviewer(*)	<u>ARVER HALL</u> 			<u>11/22/2006</u>	
c. NRC Chief Examiner (*)	<u>Thomas F. Stetka</u> 			<u>01/10/07</u>	
d. NRC Supervisor (*)	<u>Rebecca L. Nease</u> 			<u>1/18/07</u>	
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					

15:21:16

Operator Licensing Exam Schedule

From 10/01/2006 To 11/30/2006

Region: 4 Phase Code: 5 Operational

Exam Week	Site/Docket No./Insp Rpt #	# Candidates	Type	Exam Author	Chief Examiner	Examiners Assigned
10/16/2006	Waterford / 05000382 / 2006301 TAC #: X02295		Prep	FFF	STETKA, THOMAS F.	MURPHY, MICHAEL E. STETKA, THOMAS F.
11/13/2006	Waterford / 05000382 / 2006301 TAC #: X02295	RO - 5 SROU - 4	Admin	FFF	STETKA, THOMAS F.	LANTZ, RYAN E. MURPHY, MICHAEL E. STETKA, THOMAS F.
11/20/2006	Waterford / 05000382 / 2006301 TAC #: X02295		Doc	FFF	STETKA, THOMAS F.	LANTZ, RYAN E. MURPHY, MICHAEL E. STETKA, THOMAS F.

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/10, 13/2006, 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 11/10, 13/2006. 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. Keith Vines	Sr. Instructor / Exam Lead	<i>Keith Vines</i>	6/15/06	<i>Keith Vines</i>	11/16/06	
2. Kirk B. Kirkpatrick	Sr. Instructor / Exam Aide	<i>Kirk B. Kirkpatrick</i>	6/15/06	<i>Kirk B. Kirkpatrick</i>	11/16/06	
3. Roger Jones	Simulator Supervisor / Support	<i>Roger Jones</i>	6/29/06	<i>Roger Jones</i>	11/20/06	
4. DARLENE LEBLANC	Sr. Instructor / Administrator	<i>Darlene LeBlanc</i>	7/13/06	<i>Darlene LeBlanc</i>	11/20/06	
5. ARVEL J. HALL	OPS TRNG SUPV / FACILITY REVIEWER	<i>Arvel J. Hall</i>	7/13/06	<i>Arvel J. Hall</i>	11/20/06	
6. ROBERT FLETCHER	TRAINING MANAGER	<i>Robert Fletcher</i>	7-20-06	<i>Robert Fletcher</i>	11-20-06	
7. JAMES DELCANO	SR ENGINEER / SIM SUPPORT	<i>James Delcano</i>	8/2/06	<i>James Delcano</i>	11-20-06	
8. GLENN M. DOUGALD	TECH. OPS / SIM SUPPORT	<i>Glenn M. Dougal</i>	8/25/06	<i>Glenn M. Dougal</i>	11-21-06	
9. Michael L. Adams	OPS / EXAM REVIEW	<i>Michael L. Adams</i>	8-29-06	<i>Michael L. Adams</i>	11-20-06	
10. LON FRANCIS	SIM / EXAM REVIEW	<i>Lon Francis</i>	8-29-06	<i>Lon Francis</i>	11-20-06	
11. DAVID LITOLFF	CRS / Exam Review	<i>David Litolff</i>	8-30-06	<i>David Litolff</i>	11-20-06	
12. R.A. DODS	MGR OPS / SCRAM REVIEW	<i>R.A. Dods</i>	8-30-06	<i>R.A. Dods</i>	11-20-06	
13. Ronald L. York	Contractor / Exam Review	<i>Ronald L. York</i>	9/5/06	<i>Ronald L. York</i>	11/20/06	
14. LYMAN ELLZEY JR.	NPO / EXAM REVIEW	<i>Lyman Ellzey Jr.</i>	10/16-06	<i>Lyman Ellzey Jr.</i>	11-20-06	
15. Brian Lindsey	CRS / Exam Review	<i>Brian Lindsey</i>	10/16-06	<i>Brian Lindsey</i>	11-20-06	

NOTES: ① Reference Site Condition Report 06-2517 for inadvertent disclosure of information to Operations Manager, who was subsequently added to exam security.

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 11/0, 11/2, 11/3, 11/4 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 11/0, 11/2, 11/3, 11/4. 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. Darryl Cornett	NPO / Exam Validation	[Signature]	10-16-06	[Signature]	11-20-06
2. PERRY RODRIGUE	NPO / EXAM VALIDATION	[Signature]	10-16-06	[Signature]	11-20-06
3. DAVID VINCENT	Trainer / Exam Admin	[Signature]	11-14-06	[Signature]	11/20/06
4. [Signature]	Trainer / Exam Development	[Signature]	11	[Signature]	11/20/06
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