

VARIOUS CHECKLISTS

FOR CLINTON INITIAL EXAMINATION - JULY 2001

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-201-1,
"Examination Preparation Checklist"

Facility: <u>CLINTON</u>		Date of Examination: <u>7/16/01 - 7/27/01</u>
Examinations Developed by:		<u>Facility</u> /NRC (circle one)
Target Date*	Task Description / Reference	Chief Examiner's Initials
-180	1. Examination administration date confirmed (C.1.a; C.2.a & b)	AMS
-120	2. NRC examiners and facility contact assigned (C.1.d; C.2.e)	AMS
-120	3. Facility contact briefed on security & other requirements (C.2.c)	AMS
-120	4. Corporate notification letter sent (C.2.d)	AMS
[-90]	[5. Reference material due (C.1.e; C.3.c)]	N/A
-75	6. Integrated examination outline(s) due (C.1.e & f; C.3.d)	AMS
-70	7. Examination outline(s) reviewed by NRC and feedback provided to facility licensee (C.2.h; C.3.e)	AMS
-45	8. Proposed examinations, supporting documentation, and reference materials due (C.1.e, f, g & h; C.3.d)	DP
-30	9. Preliminary license applications due (C.1.i; C.2.g; ES-202)	DP
-14	10. Final license applications due and assignment sheet prepared (C.1.i; C.2.g; ES-202)	DP
-14	11. Examination approved by NRC supervisor for facility licensee review (C.2.h; C.3.f)	DP
-14	12. Examinations reviewed with facility licensee (C.1.j; C.2.f & h; C.3.g)	DP
-7	13. Written examinations and operating tests approved by NRC supervisor (C.2.i; C.3.h)	DP
-7	14. Final applications reviewed; assignment sheet updated; waiver letters sent (C.2.g, ES-204)	DP
-7	15. Proctoring/written exam administration guidelines reviewed with facility licensee and authorization granted to give written exams (if applicable) (C.3.k)	DP
-7	16. Approved scenarios, job performance measures, and questions distributed to NRC examiners (C.3.i)	DP
<p>* Target dates are keyed to the examination date identified in the corporate notification letter. They are for planning purposes and may be adjusted on a case-by-case basis in coordination with the facility licensee.</p> <p>[] Applies only to examinations prepared by the NRC.</p>		

Task Description	Date Complete
1. Facility written exam comments or graded exams received and verified complete.	07/30/01
2. Facility written exam comments reviewed and incorporated and NRC grading completed, if necessary.	08/07/01
3. Operating tests graded by NRC examiners.	07/30/01
4. NRC Chief examiner review of written exam and operating test grading completed.	08/07/01
5. Responsible supervisor review completed.	08/07/01
6. Management (licensing official) review completed.	08/08/01
7. License and denial letters mailed.	08/08/01
8. Facility notified of results.	08/08/01
9. Examination report issued (refer to NRC MC 0610*).	08/16/01
10. Reference material returned after final resolution of any appeals.	N/A

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-201-3,
“Examination Security Agreements”

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 7/16 & 7/23/01 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. Furthermore, I am aware of the physical security measures and requirements (as documented in the facility licensee's procedures) and understand that violation of the conditions of this agreement may result in cancellation of the examinations and/or an enforcement action against me or the facility licensee. I will immediately report to facility management or the NRC chief examiner any indications or suggestions that examination security may have been compromised.

2. Post-Examination

To the best of my knowledge, I did not divulge to any unauthorized persons any information concerning the NRC licensing examinations administered during the week(s) of 7/16 & 7/23. 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)	DATENOTE
1. D.R. CLINES	EXAM DEVELOPER	<i>[Signature]</i>	2/6/01	<i>[Signature]</i>	7/24/01
2. STEVE RUSSELL	NRC Exam COORDINATOR	<i>[Signature]</i>	2/8/01	SEE ATTACHED	
3. Larry Westbrook	Facility Representative	<i>[Signature]</i>	2/12/01	<i>[Signature]</i>	8/6/01
4. TOM PICKLETT	EXAM DEVELOPER	<i>[Signature]</i>	2/12/01	<i>[Signature]</i>	7/20/01
5. Mike Tindell	Simulator Support	<i>[Signature]</i>	3/8/01	<i>[Signature]</i>	8/1/01
6. Chad Pond	Simulator Support	<i>[Signature]</i>	3/8/01	<i>[Signature]</i>	8/6/01
7. Thomas S. Sibley	Simulator Support	<i>[Signature]</i>	3-8-01	LEFT THE COMPANY	<i>[Signature]</i> 8/8/01
8. Joseph Crump	Simulator Support	<i>[Signature]</i>	3-8-01	<i>[Signature]</i>	8/6/01
9. JEFFREY L. HANSEN	MANAGEN - OPERTING PROGRAMS	<i>[Signature]</i>	3-12-01	SEE ATTACHED	
10. PAUL J. HIPPELY	SENIOR TRAINING SPECIALIST	<i>[Signature]</i>	3-15-01	SEE ATTACHED	
11. Thomas A. Bauer	SIMULATOR SUPPORT	<i>[Signature]</i>	3-20-01	<i>[Signature]</i>	8-6-01
12. Kelly A. Henderson	ADMIN CLERK	<i>[Signature]</i>	4-2-01	<i>[Signature]</i>	8-21-01
13. Fred Penman	REACTOR OPERATOR	<i>[Signature]</i>	4-3-01	<i>[Signature]</i>	8-23-01
14. EDWARD K BECK	SENIOR REACTOR OPERATOR	<i>[Signature]</i>	4-3-01	<i>[Signature]</i>	8/8/01
15. G.S. Lukach	SRO	<i>[Signature]</i>	4-10-01	<i>[Signature]</i>	8-23-01

NOTES:

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1. RANDALL S SYMPSON	Reactor Operator	<i>Randall Sympson</i>	4/10/01	<i>Randall Sympson</i>	8/22/01
2. DAVID W. DEMPSTER	RP Instructor	<i>David W. Dempster</i>	4/27/01	<i>David W. Dempster</i>	8/19/01
3. Brenda Austin	Administrative Clerk	<i>Brenda Austin</i>	5/11/01	<i>Brenda Austin</i>	8/6/01
4. Humbert W. Conley	Reactor Operator	<i>Humbert W. Conley</i>	5-3-01	<i>Humbert W. Conley</i>	8/23/01
5. JEFF KOUSKE	CONTROL ROOM SUPERVISOR	<i>J. Kousske</i>	5/7/01	<i>Jeff Kousske</i>	8/29/01
6. CHRISTOPHER D. DUNN	REACTOR OPERATOR	<i>Christopher D. Dunn</i>	5/7/01	<i>Christopher D. Dunn</i>	8/29/01
7. Stephen Kalka	Reactor Operator	<i>Stephen Kalka</i>	5/7/01	<i>Stephen Kalka</i>	8/22/01
8. Marty Knapp	SRO	<i>Marty Knapp</i>	6-25-01	<i>Marty Knapp</i>	8-8-01
9. Ken Sheffield	Reactor Operator	<i>Ken Sheffield</i>	6-25-01	<i>Ken Sheffield</i>	8-6-01
10. EDWARD J. KENNEDY	REACTOR OPERATOR	<i>Edward J. Kennedy</i>	6-25-01	<i>Edward J. Kennedy</i>	8/6/01
11. Brian Zimacmyn	Reactor Operator	<i>Brian Zimacmyn</i>	6-25-01	<i>Brian Zimacmyn</i>	8/22/01
12. Patrick Goodrich	NTS MAINT. INSTRUCTOR	<i>Patrick Goodrich</i>	6-25-01	<i>Patrick Goodrich</i>	8/20/01
13. Ken Evans	Senior - Emergency Planner	<i>Ken Evans</i>	7/13/01	<i>Ken Evans</i>	8/16/01
14. Charles P. Dieckmann Jr.	Shift Ops Supt.	<i>Charles P. Dieckmann Jr.</i>	7-16-01	<i>Charles P. Dieckmann Jr.</i>	8-7-01
15. Michael D. Needley	SR. INST. OPS (JIT used)	<i>Michael D. Needley</i>	7-16-01	<i>Michael D. Needley</i>	8/16/01

NOTES:

ES-201

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2. Post-Examination

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PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATE	NOTE
1. D.R. CLINES	EXAM DEVELOPER	<i>[Signature]</i>	2/8/01	<i>[Signature]</i>	7/24/01	
2. STEVE RUSSELL	NRC Exam COORDINATOR	<i>[Signature]</i>	2/8/01	<i>[Signature]</i>	8/1/01	
3. Larry Westbrook	Facility Representative	<i>[Signature]</i>	2/12/01			
4. TOM PICKLEY	EXAM DEVELOPER	<i>[Signature]</i>	2/12/01			
5. Mike Tindall	Simulator Support	<i>[Signature]</i>	3/18/01			
6. Chad Pond	Simulator Support	<i>[Signature]</i>	3/18/01			
7. Thomas S. Blay	Simulator Support	<i>[Signature]</i>	3-8-01			
8. Joseph Crump	Simulator Support	<i>[Signature]</i>	3-8-01			
9. JEFFREY L. HANSEN	MANAGER - OPERATING PROGRAMS	<i>[Signature]</i>	3-12-01	<i>[Signature]</i>	8/1/01	
10. PAUL J. BIDDELY	SENIOR TRAINING SPECIALIST	<i>[Signature]</i>	3-15-01			
11. Thomas A. Bauer	Simulator Support	<i>[Signature]</i>	3-20-01			
12. Kelly A. Henderson	ADMIN CLERK	<i>[Signature]</i>	4-2-01			
13. Fred Permann	REACTOR OPERATOR	<i>[Signature]</i>	4-3-01			
14. Edward K. Beck	SENIOR REACTOR OPERATOR	<i>[Signature]</i>	4-3-01			
15. G.S. Lukach	SRO	<i>[Signature]</i>	4-10-01			

NOTES:

CLINTON

ES-201

Examination Security Agreement

Form ES-201-3

1. Pre-Examination

I acknowledge that I have acquired specialized knowledge about the NRC licensing examinations scheduled for the week(s) of 7-16-01 ^{7/23} 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. 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.

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	PRINTED NAME	JOB TITLE / RESPONSIBILITY	SIGNATURE (1)	DATE	SIGNATURE (2)	DATENOTE
1.	THEODORE A. LOE	RO/	<i>Theodore A. Loe</i>	7-16-01	<i>Theodore A. Loe</i>	7-31-01
2.	THOMAS J. SHORTELL	Ops Training Mgr	<i>Thomas J. Shortell</i>	7/16/01	<i>Thomas J. Shortell</i>	7/31/01
3.						
4.						
5.						
6.						
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10.						
11.						
12.						
13.						
14.						
15.						

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2. STEVE RUSSELL	NRC Exam Coordinator	<i>[Signature]</i>	2/8/01	SEE ATTACHED	
3. Larry Westbrook	Facility Representative	<i>[Signature]</i>	2/12/01	<i>[Signature]</i>	8/6/01
4. TOM PICKLEY	EXAM DEVELOPER	<i>[Signature]</i>	2/15/01	<i>[Signature]</i>	7/28/01
5. Mike Tindall	Simulator Support	<i>[Signature]</i>	3/8/01	<i>[Signature]</i>	8/1/01
6. Chad Pond	Simulator Support	<i>[Signature]</i>	3/8/01	<i>[Signature]</i>	8/6/01
7. Thomas Sibley	Simulator Support	<i>[Signature]</i>	3-8-01	LEFT THE COMPANY	<i>[Signature]</i> 8/6/01
8. Joseph Crump	Simulator Support	<i>[Signature]</i>	3-8-01	<i>[Signature]</i>	8/6/01
9. TERRY L. HANSEN	MANAGER - OPERATIONS PROGRAMS	<i>[Signature]</i>	3-12-01	SEE ATTACHED	
10. PAUL J. HIPPELY	SENIOR TRAINING SPECIALIST	<i>[Signature]</i>	3-15-01	<i>[Signature]</i>	9-14-01
11. Thomas A. Baker	SIMULATOR SUPPORT	<i>[Signature]</i>	3-20-01	<i>[Signature]</i>	8-6-01
12. Kelly A. Henderson	ADMIN CLERK	<i>[Signature]</i>	4-2-01	<i>[Signature]</i>	8-21-01
13. Fred Pennington	REACTOR OPERATOR	<i>[Signature]</i>	4-3-01	<i>[Signature]</i>	8-23-01
14. EDWARD KBECK	SENIOR REACTOR OPERATOR	<i>[Signature]</i>	4-3-01	<i>[Signature]</i>	8/8/01
15. G. S. Lukach	SRO	<i>[Signature]</i>	4-10-01	<i>[Signature]</i>	8-23-01

NOTES:

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-301-3,
“Operating Test Quality Checklist”

Facility: Clinton Power Station		Date of Examination: 7/16/01		Operating Test Number: 2001	
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).		AC	Zom	DAP
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.		AC	Zom	DAP
c.	The operating test shall not duplicate items from the applicants' audit test(s) (see Section D.1.a).		AC	Zom	DAP
d.	Overlap with the written examination and between operating test categories is within acceptable limits.		AC	Zom	DAP
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.		AC	Zom	DAP
2. WALK-THROUGH (CATEGORY A & B) 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 · validated time limits (average time allowed for completion) and specific designation if deemed to be time critical by the facility licensee · 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 		AC	Zom	DAP
b.	The prescribed questions in Category A are predominantly open reference and meet the criteria in Attachment 1 of ES-301.		N/A	N/A	N/A
c.	Repetition from operating tests used during the previous licensing examination is within acceptable limits (30% for the walk-through) and do not compromise test integrity.		AC	Zom	DAP
d.	At least 20 percent of the JPMs on each test are new or significantly modified.		AC	Zom	DAP
3. SIMULATOR (CATEGORY C) CRITERIA			--	--	--
a.	The associated simulator operating tests (scenario sets) have been reviewed in accordance with Form ES-301-4 and a copy is attached.		AC	Zom	DAP
<div style="display: flex; justify-content: space-between;"> <div> <p style="margin: 0;">Printed Name / Signature</p> <p style="margin: 0;">Date</p> </div> </div>					
a. Author	Dallas Clines	Dallas R. Clines	5/16/01		
b. Facility Reviewer(*)	Larry Westbrook	Larry Westbrook	5/16/01		
c. NRC Chief Examiner (*)	DAVID L. PELTON	David L. Pelton	7/10/01		
d. NRC Supervisor (*)	DAVID L. PELTON	David L. Pelton	7/13/01		
(*) The facility signature is not applicable for NRC-developed tests; two independent NRC reviews are required.					

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-301-4,
"Simulator Scenario Quality Checklist"

Facility: Clinton Power Station		Date of Exam: 7/16/01 Scenario Numbers: 1/ 2/ 3/ 4 Operating Test No.: 2001		
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.	dc	Jim	DJP
2.	The scenarios consist mostly of related events.	dc	Jim	DJP
3.	Each event description consists of <ul style="list-style-type: none"> 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) 	dc	Jim	DJP
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.	dc	Jim	DJP
5.	The events are valid with regard to physics and thermodynamics.	dc	Jim	DJP
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	dc	Jim	DJP
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.	dc	Jim	DJP
8.	The simulator modeling is not altered.	dc	Jim	DJP
9.	The scenarios have been validated. Any open simulator performance deficiencies have been evaluated to ensure that functional fidelity is maintained while running the planned scenarios.	dc	Jim	DJP
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.4 of ES-301.	dc	Jim	DJP
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	dc	Jim	DJP
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).	dc	Jim	DJP
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	dc	Jim	DJP
TARGET QUANTITATIVE ATTRIBUTES (PER SCENARIO; SEE SECTION D.4.D)		Actual Attributes	--	--
1.	Total malfunctions (5-8)	6 / 8 / 7 / 5	dc	Jim
2.	Malfunctions after EOP entry (1-2)	1 / 2 / 2 / 2	dc	Jim
3.	Abnormal events (2-4)	3 / 4 / 3 / 4	dc	Jim
4.	Major transients (1-2)	1 / 2 / 3 / 2	dc	Jim
5.	EOPs entered/requiring substantive actions (1-2)	2 / 2 / 2 / 1	dc	Jim
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 2 / 1	dc	Jim
7.	Critical tasks (2-3)	2 / 2 / 3 / 2	dc	Jim

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-301-5,
"Transient and Event Checklist"

OPERATING TEST NO.: Clinton Power Station 2001

Applicant Type	Evolution Type	Minimum Number	Scenario Number			
			1	2	3	4
RO (RO / BOP)	Reactivity	1	2 /	2 /	2 /	2 /
	Normal	1	/ 1	/ 1	/ 1	/ 1
	Instrument / Component	4	3, 5 / 4, 8	3, 4 / 5, 6	3, 7 / 4, 5	3, 4 / 5, 6
	Major	1	6, 7	7, 8	6, 8 / 6, 9	7, 8

As RO	Reactivity	1	2 /	2 /	2 /	2 /
	Normal	0	N/A	N/A	N/A	N/A
	Instrument / Component	4 ² 0/1 2/0/1	3, 5	3, 4	3, 7	3, 4
	Major	1	6, 7	7, 8	6, 8	7, 8
SRO-I						
As SRO	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	1, 2	1, 2	1, 2	1, 2
	Instrument / Component	2	3-5, 8	3-6	3-5, 7	3-6
	Major	1	6, 7	7, 8	6, 8, 9	7, 8

SRO-U	Reactivity	0	N/A	N/A	N/A	N/A
	Normal	1	1, 2	1, 2	1, 2	1, 2
	Instrument / Component	2	3-5, 8	3-6	3-5, 7	3-6
	Major	1	6, 7	7, 8	6, 8, 9	7, 8

- Instructions:
- (1) Enter the operating test number and Form ES-D-1 event numbers for each evolution type.
 - (2) Reactivity manipulations may be conducted under normal or *controlled* abnormal conditions (refer to Section D.4.d) but must be significant per Section C.2.a of Appendix D.
 - (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 requirement.*

Author:

Chief Examiner: :

William R. Cline

Wm R. Cline

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-301-6,
"Competencies Checklist"

Competencies	Applicant #1 <u>RO/SRO-I/SRO-U</u>				Applicant #2 <u>RO/SRO-I/SRO-U</u>				Applicant #3 <u>RO/SRO-I/SRO-U</u>			
	SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4
Understand and Interpret Annunciators and Alarms	3,5-7 1,4,6,7	3-8 1,5-8	3,6,7 1,4-6	3-8 5,6,9	3,5-7 3-8	3-8 3-10	3,6,7 1-9	3-8 3-9	3-8 3-10	3-10 1-9	1-9 3-9	3-9
Diagnose Events and Conditions	3,5-7 4,6,7,8	3,4,7,8 5,6,7,9,10	2,6-8 4-6,9	3-8 5,6,9	3,5-7 3-8	3,4,7,8 3-10	2,6-8 3-9	3-8 3-9	3-8 3-10	3-10 3-9	3-9 3-9	3-9
Understand Plant and System Response	2-7 1-8	2-8 1,5-10	2-9 1,4-6,9	2-8 5-9	2-7 3-8	2-8 3-10	2-9 2-9	2-8 2-9	3-8 3-10	3-10 2-9	2-9 2-9	2-9
Comply With and Use Procedures (1)	2,3,5-7 1,4,6-8	2-8 1,5-10	2,3,6-8 1,4,5,7	2-8 1,5,6,7,9	2,3,5-7 1-8	2-8 1-10	2,3,6-8 1-9	2-8 1-9	1-8 1-10	1-10 1-9	1-9 1-9	1-9
Operate Control Boards (2)	2,3,5-7 1,4,6-8	2,4,7,8 1,5,6,9,10	2,3,6-8 1,4,5,7	2-8 1,5-9	2,3,5-7 N/A	2,4,7,8 N/A	2,3,6-8 N/A	2-8 N/A	N/A N/A	N/A N/A	N/A N/A	N/A
Communicate and Interact With the Crew	2,3,5-7 1,4,6-8	2-6 1,5-10	2,3,6-8 1,4,5,9	2-8 1,5-9	2,3,5-7 1-8	2-6 1-10	2,3,6-8 1-9	2-8 1-9	1-8 1-10	1-10 1-9	1-9 1-9	1-9
Demonstrate Supervisory Ability (3)	N/A	N/A	N/A	N/A	1-8	1-10	1-9	1-9	1-8	1-10	1-9	1-9
Comply With and Use Tech. Specs. (3)	N/A	N/A	N/A	N/A	5	5	4	5	5	5	4	5

Notes:

- (1) Includes Technical Specification compliance for an RO.
- (2) Optional for an SRO-U.
- (3) Only applicable to SROs.
- (4) Events relate to RO / BOP (RO / SRO-I) position during scenario.

Instructions:

Circle 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.

Author:

Chief Examiner:

Shallan P. Clines

[Signature]

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-401-7,
“Written Examination Quality Checklist”

Facility: Clinton Power Station		Date of Exam: 7/16/01		Exam Level: RO							
Item Description			Initial								
			a	b*	c#						
1.	Questions and answers technically accurate and applicable to facility		DC	Jim	DP						
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available		DC	Jim	DP						
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401		DC	Jim	DP						
4.	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 licensee certifies that there is no duplication; or <input type="checkbox"/> the license exam was prepared by the NRC		DC	Jim	DP						
5.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	<table border="1"> <tr> <th>Bank</th> <th>Modified</th> <th>New</th> </tr> <tr> <td>18</td> <td>12</td> <td>70</td> </tr> </table>	Bank	Modified	New	18	12	70	DC	Jim	DP
Bank	Modified	New									
18	12	70									
6.	Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	<table border="1"> <tr> <th>Memory</th> <th>C/A</th> </tr> <tr> <td>48</td> <td>52</td> </tr> </table>	Memory	C/A	48	52	DC	Jim	DP		
Memory	C/A										
48	52										
7.	References/handouts provided do not give away answers		DC	Jim	DP						
8.	Question content conforms with specific K/A statements in the previously approved examination outline; deviations are justified		DC	Jim	DP						
9.	Question psychometric quality and format meet ES, Appendix B, guidelines		DC	Jim	DP						
10.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet		DC	Jim	DP						
			Printed Name / Signature								
a. Author	Dallas Clines / <u>Dallas R. Clines</u>		Date <u>7/9/01</u>								
b. Facility Reviewer(*)	Larry Westbrook / <u>Larry Westbrook</u>		Date <u>7/9/01</u>								
c. NRC Chief Examiner(*)	DANIEL PEGION / <u>Daniel P. Pigion</u>		Date <u>7/10/01</u>								
d. NRC Regional Supervisor(*)	David E. H. H. / <u>David E. H. H.</u>		Date <u>7/13/01</u>								
Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required. # See special instructions (Section E.2.c) for Items 1, 5, and 8.											

Facility: Clinton Power Station		Date of Exam: 7/16/01		Exam Level: SRO			
Item Description				Initial			
				a	b*	c#	
1.	Questions and answers technically accurate and applicable to facility			DC	JM	DP	
2.	a. NRC K/As referenced for all questions b. Facility learning objectives referenced as available			DC	JM	DP	
3.	RO/SRO overlap is no more than 75 percent, and SRO questions are appropriate per Section D.2.d of ES-401			DC	JM	DP	
4.	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 licensee certifies that there is no duplication; or <input type="checkbox"/> the license exam was prepared by the NRC			DC	JM	DP	
5.	Bank use meets limits (no more than 50 percent from the bank, at least 10 percent new, and the rest modified); enter the actual question distribution at right	Bank	Modified	New	DC	JM	DP
		13	8	79			
6.	Between 50 and 60 percent of the questions on the exam (including 10 new questions) are written at the comprehension/analysis level; enter the actual question distribution at right	Memory	C/A		DC	JM	DP
		44	56				
7.	References/handouts provided do not give away answers			DC	JM	DP	
8.	Question content conforms with specific K/A statements in the previously approved examination outline; deviations are justified			DC	JM	DP	
9.	Question psychometric quality and format meet ES, Appendix B, guidelines			DC	JM	DP	
10.	The exam contains 100, one-point, multiple choice items; the total is correct and agrees with value on cover sheet			DC	JM	DP	
Printed Name / Signature				Date			
a. Author	Dallas Clines / <u>Dallas R. Clines</u>			7/9/01			
b. Facility Reviewer(*)	Larry Westbrook / <u>Larry Westbrook</u>			7/9/01			
c. NRC Chief Examiner(*)	DAVID L. PELTON / <u>David L. Pelton</u>			7/10/01			
d. NRC Regional Supervisor(*)	D. S. C. H. H. / <u>D. S. C. H. H.</u>			7/13/01			
Note: * The facility reviewer's signature is not applicable for NRC-developed examinations; two independent NRC reviews are required. # See special instructions (Section E.2.c) for Items 1, 5, and 8.							

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-401-10,
"Record of Rejected K/As"

Outline Comments

Question # System KA Importance Exam

Comment

Replaced 209002 2.1.10 (Per NRC CE request)

Question # System KA Importance Exam

Comment

Replaced 209002 2.1.11 (Per NRC CE request)

Question # System KA Importance Exam

Comment

Replaced K/A 212000 A1.09 which was N/A to Clinton

Question # System KA Importance Exam

Comment

Replaced 400000 2.1.32 N/A as SRO only.

Question # System KA Importance Exam

Comment

Replaced 271000A207 which is not applicable to CPS

Question # System KA Importance Exam

Comment

Changed from BOTH to RO

Question # System KA Importance Exam

Comment

Changed from BOTH to RO

Question # System KA Importance Exam

Comment

No specific plant objective.

Question # System KA Importance Exam

Comment

No specific plant objective.

Question # System KA Importance Exam

Comment

Changed from BOTH to RO and from 2.4.22 to 2.4.18.

Question # 77 System 294001 KA 2.4.36 Importance 2.8 Exam SRO

Comment

No specific plant objective.

Question # 78 System 295001 KA 2.4.31 Importance 3.3 Exam RO

Comment

Replaced 295001 2.4.11 (Per NRC CE request)

Question # 82 System 295004 KA AK1.04 Importance 2.8 / 2.9 Exam BOTH

Comment

No specific plant objective.

Question # 84 System 295007 KA AK1.01 Importance 2.9 / 3.2 Exam BOTH

Comment

No specific plant objective.

Question # 86 System 295008 KA 2.1.14 Importance 3.3 Exam SRO

Comment

Replaced 295008 2.4.10 (Per NRC CE request)

Question # 92 System 295012 KA AA2.01 Importance 3.8 Exam RO

Comment

No specific plant objective.

Question # 105 System 295025 KA 2.1.33 Importance 4.0 Exam SRO

Comment

Replaced 295025 2.4.01 (Per NRC CE request)

Question # 107 System 295026 KA 2.1.14 Importance 3.3 Exam SRO

Comment

Replaced 295026 2.4.10 (Per NRC CE request)

Question # 108 System 295026 KA 2.4.11 Importance 3.4 Exam RO

Comment

No specific plant objective.

Question # 109 System 295026 KA EA2.03 Importance 4.0 Exam SRO

Comment

No specific plant objective.

Question # 110 System 295027 KA EA2.04 Importance 3.3 / 3.7 Exam BOTH

Comment

No specific plant objective.

Question # 113 System 295030 KA EK2.03 Importance 3.8 / 3.9 Exam BOTH

Comment

No specific plant objective.

Question # 114 System 295031 KA 2.4.11 Importance 3.4 / 3.6 Exam BOTH

Comment

No specific plant objective.

Question # 115 System 295032 KA EK2.04 Importance 3.6 / 3.8 Exam BOTH

Comment

No specific plant objective.

Question # 116 System 295033 KA EA2.03 Importance 4.2 Exam SRO

Comment

No specific plant objective.

Question # 118 System 295036 KA 2.4.10 Importance 3.1 Exam SRO

Comment

(No change per NRC CE request)

Question # 119 System 295036 KA EA2.02 Importance 3.1 Exam SRO

Comment

No specific plant objective.

Question # 122 System 295038 KA 2.4.10 Importance 3.1 Exam SRO

Comment

No specific plant objective.

Question # 124 System 295016 KA AA2.01 Importance 4.1 / 4.1 Exam BOTH

Comment

No specific plant objective.

Question # 125 System 600000 KA AK3.04 Importance 2.8 / 3.4 Exam BOTH

Comment

No specific plant objective.

Question # 126 System 294001 KA 2.1.11 Importance 3.8 Exam SRO

Comment

Changed from BOTH to SRO

Question # 127 System 294001 KA 2.2.11 Importance 3.4* Exam SRO

Comment

Changed from BOTH to SRO

Question # *System* *KA* *Importance* *Exam*

Comment

Changed from BOTH to SRO

CLINTON
INITIAL LICENSE EXAM

JULY 16 THRU 23, 2001

ES-403-1,
“Written Examination Grading Quality
Checklist”

Facility: CLINTON		Date of Exam: 7/23/00		Exam Level: RO	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	<i>AB</i>	N/A	<i>DP</i>		
2. Answer key changes and question deletions justified and documented	<i>AB</i>	N/A	<i>DP</i>		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	<i>AB</i>	N/A	<i>DP</i>		
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	<i>AB</i>	N/A	<i>DP</i>		
5. All other failing examinations checked to ensure that grades are justified	<i>AB</i>	N/A	<i>DP</i>		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	<i>AB</i>	N/A	<i>DP</i>		

	Printed Name / Signature	Date
a. NRC Grader	<i>Hironori Peterson</i>	<i>8/6/01</i>
b. Facility Reviewer(*)	N/A	N/A
c. NRC Chief Examiner (*)	<i>DAVID L. PELTON</i>	<i>8/6/01</i>
d. NRC Supervisor (*)	<i>David E. Hills</i>	<i>8/7/01</i>

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

Facility: CLINTON		Date of Exam: 7/23/00		Exam Level: SRO	
Item Description	Initials				
	a	b	c		
1. Clean answer sheets copied before grading	AB	N/A	DP		
2. Answer key changes and question deletions justified and documented	AB	N/A	DP		
3. Applicants' scores checked for addition errors (reviewers spot check > 25% of examinations)	AB	N/A	DP		
4. Grading for all borderline cases (80% +/- 2%) reviewed in detail	AB	N/A	DP		
5. All other failing examinations checked to ensure that grades are justified	AB	N/A	DP		
6. Performance on missed questions checked for training deficiencies and wording problems; evaluate validity of questions missed by half or more of the applicants	AB	N/A	DP		
Printed Name / Signature		Date			
a. NRC Grader	<u>Sharon Peterson / [Signature]</u>	<u>8/6/01</u>			
b. Facility Reviewer(*)	<u>N/A</u>	<u>N/A</u>			
c. NRC Chief Examiner (*)	<u>DAVID L. PELTON / [Signature]</u>	<u>8/6/01</u>			
d. NRC Supervisor (*)	<u>David E. Hilly / [Signature]</u>	<u>8-7-01</u>			
(*) The facility reviewer's signature is not applicable for examinations graded by the NRC; two independent NRC reviews are required.					