

**PROPOSED EXAMINATION COVER LETTER AND CHECKLISTS**

**FOR THE**

**CLINTON POWER STATION INITIAL EXAMINATION**

**AUGUST 2007**

# AmerGen

An Exelon Company

Clinton Power Station  
R. R. 3, Box 228  
Clinton, IL 61727

U-603818  
June 22, 2007

Mr. James L. Caldwell  
Regional Administrator  
U. S. Nuclear Regulatory Commission  
2443 Warrenville Road, Suite 210  
Lisle, Illinois 60532-4352

Clinton Power Station, Unit 1  
Facility Operating License No. NPF-62  
NRC Docket No. 50-461

Subject: Submittal of Integrated Initial License Training Examination Materials

Enclosed are the examination materials which Amergen Energy Company (AmerGen), LLC is submitting in support of the Initial License Examination scheduled to start the week of August 13, 2007, for two weeks at Clinton Power Station. This submittal includes the Senior Reactor Operator and Reactor Operator Written Examinations, Job Performance Measures, and Integrated Plant Operation Scenario Guides.

This submittal includes all appropriate Examination Standard forms and outlines in accordance with NUREG-1021, Revision 9 Supplement 1, "Operating Licensing Examination Standards for Power Plants."

In accordance with NUREG-1021, Section ES-201, "Initial Operator Licensing Examination Process", please ensure that these materials are withheld from public disclosure until after the examinations are complete.

Should you have any questions related to this information, please contact Mr. Tom Pickley at (217) 937-4118.

Respectfully,



F. A. Kearney  
Plant Manager  
Clinton Power Station

JUN 27 2007

U.S. Nuclear Regulatory Commission  
Amergen Energy Company, LLC  
U-603818  
Page 2 of 2

EET/blf

cc: (w/o attachments)  
Chief, NRC Operator Licensing Branch  
NRC Senior Resident Inspector - Clinton Power Station

Attachments: (Hand delivered to NRC Region III Chief Examiner)  
Examination Security Agreement (Form ES-201-3),  
Administrative Topics (Form ES-301-1),  
Control Room/In-Plant Systems (Form ES-301-2),  
BWR Examination (Form ES-401-1),  
Record of Rejected K/As (Form ES-401-4),  
Operational Scenarios (Form ES-D-1),  
Transient and Event Checklist (Form ES-301-5), and  
Methodology for 2007 Clinton Power Station Written NRC Exam.

Facility: <u>Clinton</u>		Date of Examination: <u>8/13/07</u>		Operating Test Number: <u>06-1</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).	JP	SOH	JM	
b.	There is no day-to-day repetition between this and other operating tests to be administered during this examination.	JP	SOH	JM	
c.	The operating test shall not duplicate items from the applicants' audit test(s)(see Section D.1.a).	JP	SOH	JM	
d.	Overlap with the written examination and between different parts of the operating test is within acceptable limits.	JP	SOH	JM	
e.	It appears that the operating test will differentiate between competent and less-than-competent applicants at the designated license level.	JP	SOH	JM	
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>	JP	SOH	JM	
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.	JP	SOH	JM	
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.		JP	SOH	JM	
a. Author	<u>Tom Pickley</u> / <u>Tom Pickley</u>	Date <u>6/20/07</u>			
b. Facility Reviewer (*)	<u>Stacey Hagan</u> / <u>Stacey Hagan</u>	Date <u>6/22/07</u>			
c. NRC Chief Examiner (#)	<u>Deu R. McNeil</u> / <u>Deu R. McNeil</u>	Date <u>7/13/07</u>			
d. NRC Supervisor	<u>Andrew Peterson</u> / <u>Andrew Peterson</u>	Date <u>8/7/07</u>			
NOTE: * The facility signature is not applicable for NRC-developed tests # Independent NRC reviewer initial items in Column "c"; chief examiner concurrence is required.					

Facility: Clinton		Date of Exam: 08/13/07		Scenario Numbers: 1 / 2 / 3		Operating Test Number: 06-1	
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.	YP	SDH	DM			
2.	The scenarios consist mostly of related events.	YP	SDH	DM			
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>	YP	SDH			DM	
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.	YP	SDH	DM			
5.	The events are valid with regard to physics and thermodynamics.	YP	SDH	DM			
6.	Sequencing and timing of events is reasonable, and allows the examination team to obtain complete evaluation results commensurate with the scenario objectives.	YP	SDH	DM			
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.	YP	SDH	DM			
8.	The simulator modeling is not altered.	YP	SDH	DM			
9.	The scenarios have been validated. Pursuant to 10CFR55.46(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.	YP	SDH	DM			
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.	YP	SDH	DM			
11.	All individual operator competencies can be evaluated, as verified using Form ES-301-6 (submit the form along with the simulator scenarios).	YP	SDH	DM			
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).	YP	SDH	DM			
13.	The level of difficulty is appropriate to support licensing decisions for each crew position.	YP	SDH	DM			
<b>Target Quantitative Attributes (Per Scenario; See Section D.5.d)</b>		<b>Actual Attributes</b>		--	--	--	
1.	Total malfunctions (5-8)	8 / 9 / 7		YP	SDH	DM	
2.	Malfunctions after EOP entry (1-2)	1 / 1 / 1		YP	SDH	DM	
3.	Abnormal events (2-4)	6 / 5 / 5		YP	SDH	DM	
4.	Major transients (1-2)	1 / 1 / 1		YP	SDH		
5.	EOPs entered/requiring substantive actions (1-2)	1 / 2 / 2		YP	SDH		
6.	EOP contingencies requiring substantive actions (0-2)	1 / 1 / 1		YP	SDH		
7.	Critical tasks (2-3)	2 / 2 / 2		YP	SDH		

**ES-301 Transient and Event Checklist Form ES-301-5**

Facility: Clinton		Date of Exam: 8/13/2007						Operating Test Number: ILT0601-1									
APPLICANT	EVENT TYPE	Scenarios												TOTAL	MINIMUM(*)		
		1			2			3			4						
		CREW POSITION			CREW POSITION			CREW POSITION			CREW POSITION						
		SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP	SRO	ATC	BOP				
														R	I	U	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX	1			6		6						3	1	1	0	
	NOR	5					2						2	1	1	1	
	I/C	2, 3, 7, 8			4, 7		1, 3, 4, 5						10	4	4	2	
	MAJ	9, 10, 11			8, 9		7, 8, 9						8	2	2	1	
	TS	4, 6					3, 5						4	0	2	2	
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX		1		6								2	1	1	0	
	NOR				1				2				2	1	1	1	
	I/C		2, 7		2, 4, 5, 7				3, 4				8	4	4	2	
	MAJ		9, 10, 11		8, 9				7, 8, 9				8	2	2	1	
	TS				1, 3								2	0	2	2	
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX						6						1	1	1	0	
	NOR			5		1							2	1	1	1	
	I/C			3, 8		2, 5	1, 5						6	4	4	2	
	MAJ			9, 10, 11		8, 9	7, 8, 9						8	2	2	1	
	TS												0	0	2	2	
RO <input checked="" type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	RX		1										1	1	1	0	
	NOR					1							1	1	1	1	
	I/C		2, 7			2, 5							4	4	4	2	
	MAJ		9, 10, 11			8, 9							5	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 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.
- 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.

**ES-301 Transient and Event Checklist Form ES-301-5**

Facility: Clinton			Date of Exam: 8/13/2007						Operating Test Number: ILT0601-1								
A P P L I C A N T	E V E N T T Y P E	S c e n a r i o s												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 <input type="checkbox"/>	RX							6						1	1	1	0
	NOR			5										1	1	1	1
	I/C			3,8				1,5						4	4	4	2
	MAJ			9,10,11				7,8,9						6	2	2	1
	TS													0	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input checked="" type="checkbox"/>	RX				6									1	1	1	0
	NOR				1				2					2	1	1	1
	I/C				2,4,5,7			3,4						6	4	4	2
	MAJ				8,9			7,8,9						5	2	2	1
	TS				1,3									2	0	2	2
RO <input type="checkbox"/> SRO-I <input type="checkbox"/> SRO-U <input type="checkbox"/>	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 type="checkbox"/>	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: Clinton		Date of Examination: 08/13/07				Operating Test No.: ILT0601-1 Crew 1										
Competencies	APPLICANTS															
	RO	<input type="checkbox"/>	RO	<input type="checkbox"/>	RO	<input checked="" type="checkbox"/>	RO	<input type="checkbox"/>	RO	<input type="checkbox"/>	RO	<input type="checkbox"/>	RO	<input type="checkbox"/>	RO	<input type="checkbox"/>
	SRO-I	<input checked="" type="checkbox"/>	SRO-I	<input checked="" type="checkbox"/>	SRO-I	<input type="checkbox"/>	SRO-I	<input type="checkbox"/>	SRO-I	<input type="checkbox"/>	SRO-I	<input type="checkbox"/>	SRO-I	<input type="checkbox"/>	SRO-I	<input type="checkbox"/>
	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>	SRO-U	<input type="checkbox"/>
	SCENARIO				SCENARIO				SCENARIO				SCENARIO			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/ Diagnose Events and Conditions	10	2, 5, 7, 9	7		2, 7, 9, 10	9	3, 4, 9		3, 6, 8, 11	3, 6, 10	1, 5, 7, 8, 10					
Comply With and Use Procedures (1)	1, 2, 4, 10	2, 5, 7, 8, 9	1, 3, 4, 6, 7, 10		1, 2, 4, 7, 9, 10	3, 5, 7, 8, 9, 10	2, 3, 4, 9, 10		3, 5, 6	1, 3, 6, 9, 10	1, 5, 6, 7, 8, 10					
Operate Control Boards (2)		5, 7, 8, 9			1, 2, 7, 10		2, 3, 4, 10		3, 5, 8	1, 3, 6, 9, 10	1, 5, 6, 8, 10					
Communicate and Interact	2, 4, 7, 9, 10	5, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 9, 10		2, 4, 7, 9, 10	3, 4, 5, 7, 8, 9, 10	2, 3, 4, 9, 10		3, 6, 8, 11	1, 3, 6, 9, 10	1, 5, 6, 7, 8, 10					
Demonstrate Supervisory Ability (3)	1, 2, 3, 4, 7, 9, 10		1, 3, 4, 6, 7, 9, 10			3, 5, 7, 8, 9, 10										
Comply With and Use Tech Specs. (3)	4, 6		3, 5			2, 4										
<b>Notes:</b> (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: Clinton		Date of Examination: 08/13/07				Operating Test No.: ILT0601-1 Crew 2										
Competencies	APPLICANTS															
	RO <input type="checkbox"/>				RO <input type="checkbox"/>				RO <input checked="" type="checkbox"/>				RO <input type="checkbox"/>			
	SRO-I <input checked="" type="checkbox"/>				SRO-I <input checked="" type="checkbox"/>				SRO-I <input type="checkbox"/>				SRO-I <input type="checkbox"/>			
	SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>			
SCENARIO				SCENARIO				SCENARIO				SCENARIO				
1 2 3 4				1 2 3 4				1 2 3 4				1 2 3 4				
Interpret/ Diagnose Events and Conditions	10	2, 5, 7, 9	7		2, 7, 9, 10	9	3, 4, 9			3, 6, 8, 11	3, 6, 10	1, 5, 7, 8, 10				
Comply With and Use Procedures (1)	1, 2, 4, 10	2, 5, 7, 8, 9	1, 3, 4, 6, 7, 10		1, 2, 4, 7, 9, 10	3, 5, 7, 8, 9, 10	2, 3, 4, 9, 10			3, 5, 6	1, 3, 6, 9, 10	1, 5, 6, 7, 8, 10				
Operate Control Boards (2)		5, 7, 8, 9			1, 2, 7, 10		2, 3, 4, 10			3, 5, 8	1, 3, 6, 9, 10	1, 5, 6, 8, 10				
Communicate and Interact	2, 4, 7, 9, 10	5, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 9, 10		2, 4, 7, 9, 10	3, 4, 5, 7, 8, 9, 10	2, 3, 4, 9, 10			3, 6, 8, 11	1, 3, 6, 9, 10	1, 5, 6, 7, 8, 10				
Demonstrate Supervisory Ability (3)	1, 2, 3, 4, 7, 9, 10		1, 3, 4, 6, 7, 9, 10			3, 5, 7, 8, 9, 10										
Comply With and Use Tech Specs. (3)	4, 6		3, 5			2, 4										
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: Clinton		Date of Examination: 08/13/07				Operating Test No.: ILT0601-1 Crew 3										
Competencies	APPLICANTS															
	RO <input type="checkbox"/>				RO <input checked="" type="checkbox"/>				RO <input checked="" type="checkbox"/>				RO <input type="checkbox"/>			
	SRO-I <input checked="" type="checkbox"/>				SRO-I <input type="checkbox"/>				SRO-I <input type="checkbox"/>				SRO-I <input type="checkbox"/>			
	SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>				SRO-U <input type="checkbox"/>				SRO-U <input checked="" type="checkbox"/>			
SCENARIO				SCENARIO				SCENARIO				SCENARIO				
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
Interpret/ Diagnose Events and Conditions	10	2, 5, 7, 9	7		2, 7, 9, 10	3, 6, 10			3, 6, 8, 11		1, 5, 7, 8, 10			9	3, 4, 9	
Comply With and Use Procedures (1)	1, 2, 4, 10	2, 5, 7, 8, 9	1, 3, 4, 6, 7, 10		1, 2, 4, 7, 9, 10	1, 3, 6, 9, 10			3, 5, 6		1, 5, 6, 7, 8, 10			3, 5, 7, 8, 9, 10	2, 3, 4, 9, 10	
Operate Control Boards (2)		5, 7, 8, 9			1, 2, 7, 10	1, 3, 6, 9, 10			3, 5, 8		1, 5, 6, 8, 10				2, 3, 4, 10	
Communicate and Interact	2, 4, 7, 9, 10	5, 7, 8, 9	1, 2, 3, 4, 5, 6, 7, 9, 10		2, 4, 7, 9, 10	1, 3, 6, 9, 10			3, 6, 8, 11		1, 5, 6, 7, 8, 10			3, 4, 5, 7, 8, 9, 10	2, 3, 4, 9, 10	
Demonstrate Supervisory Ability (3)	1, 2, 3, 4, 7, 9, 10		1, 3, 4, 6, 7, 9, 10											3, 5, 7, 8, 9, 10		
Comply With and Use Tech Specs. (3)	4, 6		3, 5											2, 4		
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: Clinton		Date of Examination: 08/13/07				Operating Test No.: ILT0601-1 Crew 4																													
Competencies	APPLICANTS																																		
	RO <input type="checkbox"/>	RO <input checked="" type="checkbox"/>	RO <input checked="" type="checkbox"/>	RO <input type="checkbox"/>																															
	SRO-I <input checked="" type="checkbox"/>	SRO-I <input type="checkbox"/>	SRO-I <input type="checkbox"/>	SRO-I <input type="checkbox"/>																															
	SRO-U <input type="checkbox"/>	SRO-U <input type="checkbox"/>	SRO-U <input type="checkbox"/>	SRO-U <input checked="" type="checkbox"/>																															
SCENARIO				SCENARIO				SCENARIO				SCENARIO																							
1 2 3 4				1 2 3 4				1 2 3 4				1 2 3 4																							
Interpret/ Diagnose Events and Conditions				Comply With and Use Procedures (1)				Operate Control Boards (2)				Communicate and Interact				Demonstrate Supervisory Ability (3)				Comply With and Use Tech Specs. (3)															
10				2, 5, 7, 9				7				2, 7, 9, 10				3, 6, 10				3, 6, 8, 11				1, 5, 7, 8, 10				9				3, 4, 9			
1, 2, 4, 10				2, 5, 7, 8, 9				1, 3, 4, 6, 7, 10				1, 2, 4, 7, 9, 10				1, 3, 6, 9, 10				3, 5, 6				1, 5, 6, 7, 8, 10				3, 5, 7, 8, 9, 10				2, 3, 4, 9, 10			
5, 7, 8, 9				1, 2, 3, 4, 5, 6, 7, 9, 10				2, 4, 7, 9, 10				1, 3, 6, 9, 10				3, 5, 8				1, 5, 6, 8, 10				2, 3, 4, 10											
2, 4, 7, 9, 10				5, 7, 8, 9				1, 2, 3, 4, 5, 6, 7, 9, 10				2, 4, 7, 9, 10				1, 3, 6, 9, 10				3, 6, 8, 11				1, 5, 6, 7, 8, 10				3, 4, 5, 7, 8, 9, 10				2, 3, 4, 9, 10			
1, 2, 3, 4, 7, 9, 10				1, 3, 4, 6, 7, 9, 10																3, 5, 7, 8, 9, 10															
4, 8				3, 5																2, 4															
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: Clinton		Date of Exam: 8/13/07		Exam Level: RO <input checked="" type="checkbox"/> SRO <input checked="" type="checkbox"/>		
Item Description	Initial			a	b*	c*
	a	b*	c*			
1. Questions and answers are technically accurate and applicable to the facility.	YP	SCH	JM			
2. a. NRC K/As are referenced for all questions. b. Facility learning objectives are referenced as available.	YP	SCH	JM			
3. SRO questions are appropriate in accordance with Section D.2.d of ES-401	YP	SCH	JM			
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 exam, consult the NRR OL program office).	YP	SCH	JM			
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)	YP	SCH	JM			
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	YP	SCH	JM
	16/3	6/3	53/19			
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 KAs support the higher cognitive levels; enter the actual RO / SRO question distribution(s) at right.	Memory	C/A		YP	SCH	JM
	35 / 4	40 / 21				
8. References/handouts provided do not give away answers or aid in the elimination of distractors.	YP	SCH	JM			
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	YP	SCH	JM			
10. Question psychometric quality and format meet the guidelines in ES Appendix B.	YP	SCH	JM			
11. The exam contains the required number of one-point, multiple choice items; the total is correct and agrees with value on cover sheet	YP	SCH	JM			
Printed Name / Signature				Date		
a. Author	Tom Pickley / <i>Tom Pickley</i>			6/22/07		
b. Facility Reviewer (*)	Stacey Hagan / <i>Stacey Hagan</i>			6/22/07		
c. NRC Chief Examiner (#)	Dell R. McNeil / <i>Dell R. McNeil</i>			7/13/07		
d. NRC Regional Supervisor	Ap. Howard Peterson / <i>Ap. Howard Peterson</i>			8/7/07		
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.						